

Environmental Protection Instruction Manual

FOR

MARINE CORPS AIR GROUND COMBAT CENTER
TWENTYNINE PALMS, CALIFORNIA



Updated October 2022

LOCATOR SHEET

Location: Environmental Affairs Office (Building 1418) and Environmental Affairs webpage under "Environmental Orders"
(<https://www.29palms.marines.mil/Staff-offices/Environmental-Affairs/>)

RECORD OF CHANGES

Log completed change action as indicated.

[illegible]

TABLE OF CONTENTS

<u>IDENTIFICATION</u>	<u>TITLE</u>	<u>PAGE</u>
Chapter 1	Introduction.....	1-1
1.	Scope.....	1-1
2.	General.....	1-1
Chapter 2	Waste Management.....	2-1
1.	General.....	2-1
2.	Use of Hazardous Materials.....	2-1
3.	Treatment of Hazardous Materials.....	2-2
4.	Spill Abatement.....	2-2
5.	Recycling Solid Waste and Range Residue...	2-4
6.	Reutilization.....	2-6
7.	Training Areas.....	2-6
8.	Trash Dumpsters.....	2-6
9.	Donation.....	2-6
10.	Scavenging Prohibited.....	2-6
11.	Construction and Demolition Projects.....	2-6
12.	Construction and Demolition Plan.....	2-6
13.	Construction and Demolition Report.....	2-7
Chapter 3	Air Quality.....	3-1
1.	Internal Combustion Engines.....	3-1
2.	Combustion Equipment (Other Than Internal Combustion).....	3-1
3.	Vehicles.....	3-1
4.	Petroleum, Oil, Lubricants, and Solvents..	3-3
5.	Painting, Coating, and Paint Removal.....	3-4
6.	Fires and Open Burns.....	3-5
7.	Fugitive Dust.....	3-5
8.	Asbestos.....	3-6
9.	Ozone Depleting Substances.....	3-6
Chapter 4	Water Quality.....	4-1
1.	Potable Water.....	4-1
2.	Non-Potable Water.....	4-3
3.	Landscaping.....	4-3
4.	Wastewater.....	4-3
5.	Car Wash.....	4-4
6.	Portable Toilets.....	4-4
7.	Sanitary Sewer Overflow.....	4-5
8.	Storm Water.....	4-5
9.	Recycled Water.....	4-5
Chapter 5	Natural Resources.....	5-1
1.	General Requirements.....	5-1
2.	Desert Tortoise.....	5-1
3.	Birds, Nest and Parts.....	5-2
4.	Snakes and Other Wildlife	5-3
5.	Pets	5-4
6.	Introducing Plants and Animals.....	5-4
7.	Trimming or Removing Vegetation.....	5-5
8.	Soil Excavation and Grading.....	5-5

9.	Outdoor Recreation.....	5-5
Chapter 6	Cultural Resources.....	6-1
1.	General Requirements.....	6-1
2.	Damage, Theft, or Removal of Cultural Resources.....	6-1
3.	Inadvertent Discoveries.....	6-1
Chapter 7	Training Area Land Use.....	7-1
1.	General Requirements.....	7-1
2.	Restricted Areas.....	7-1
3.	Installation Restoration Program Sites....	7-1
Chapter 8	National Environmental Policy Act.....	8-1
1.	General.....	8-1
2.	Application	8-1
3.	NEPA Compliance and Responsibilities	8-1
APPENDIX A	ENVIRONMENTAL REFERENCES	
APPENDIX B	COMMANDING GENERAL'S ENVIRONMENTAL POLICY LETTER	
APPENDIX C	RANGE RESIDUE & SOLID WASTE TURN-IN PROCEDURES	
APPENDIX D	CONSTRUCTION AND DEMOLITION	
APPENDIX E	BURN NOTIFICATION	
APPENDIX F	FIELD WASTEWATER GUIDELINES	
APPENDIX G	GRAY WATER DISCHARGE REQUEST	
APPENDIX H	APPROVED PLANT LIST	
APPENDIX I	WILDLIFE RESPONSE MATRIX	
APPENDIX J	AUTHORIZED USE LIST ADJUSTMENT FORM	
APPENDIX K	NEPA DECISION MEMO REQUIREMENTS	
APPENDIX L	RESTRICTED AREAS	
APPENDIX M	INSTALLATION RESTORATION PROGRAM SITES	

Chapter 1

Introduction

1. Scope. This instruction manual is developed to establish guidelines and assign responsibilities for the management and protection of the Combat Center's environment, including its natural and cultural resources. This instruction manual does not contain all of the Combat Center's environmental policy requirements. Appendix A contains a listing of the Combat Center directives and policies that will be referenced throughout this manual and should be used to supplement policy and procedures contained herein.

2. General

a. All military personnel, civilian employees, and contractors (incorporated by reference into contract performance requirements) operating and or training aboard the Combat Center shall comply with applicable federal, state, and local environmental laws. This obligation, in accordance with the references, includes compliance with the Sikes Act Improvement Act, Endangered Species Act, Migratory Bird Treaty Act, the National Historic Preservation Act, the Archeological Resources Protection Act, the Resource Conservation and Recovery Act, the Comprehensive Environmental Response Compensation and Liability Act, the Toxic Substance Control Act, the Clean Air Act, the Clean Water Act, the Safe Drinking Water Act, executive orders, and laws.

b. Individuals who violate, aid, abet, counsel, command, induce, procure, or willfully cause violations of any provisions of these laws may be held personally liable for civil and criminal penalties and fines.

c. Appendix B is the Commanding General's Environmental Policy Letter. The Environmental Policy Letter is a declaration of Marine Air Ground Task Force Training Command (MAGTFTC), Marine Corps Air Ground Combat Center's (MCAGCC) fundamental goals and its commitment to complying with all applicable environmental legal requirements. The Policy Letter commits the Combat Center in using:

(1) Reference (f) and (g) to comply with laws and regulations dedicated to conservation and environmental stewardship.

(2) Reference (f) as its formal, comprehensive Environmental Management System (EMS) to maintain our freedom of action and control risks to operational readiness posed by the environmental impacts of our actions.

(a) Reference (f) that integrates environmental stewardship into the Combat Center's daily decision-making and long term planning processes across all missions, activities, and functions.

(b) Reference (f) establishes:

1. Environmental management procedures for EMS operations and maintenance.

2. Environmental Standard Operating Procedures (ESOP) to effectively manage practices with potential environmental and land use impacts. The following MCAGCC web page link contains a listing of Combat Center's ESOP's, <https://www.29palms.marines.mil/Staff-Offices/Environmental-Affairs/Environmental-SOP/>

Chapter 2

Waste Management

1. General

- a. COs and OICs of Marine Corps commands/units and tenant commands shall:

(1) Designate in writing hazardous waste (HW) management personnel for each HW generation, accumulation (Satellite Accumulation Area), and storage site under the cognizance of the Marine Corps commands/units and tenants.

(2) Forward a copy of HW management personnel appointment letters to EA, Compliance Enforcement Branch.

(3) Ensure that all personnel involved with HW management receive the appropriate environmental training.

(4) Identify, document and train Marines to Military Occupation Specialty 8056 (Hazardous Material (HM)/HW Handler) standard in the event the commands/units deploy. Reference (b) applies.

b. The following ESOPs contains environmental guidelines for the proper procedures of handling and storage of HM and HW and are available at <https://www.29palms.marines.mil/Staff-Offices/Environmental-Affairs/Environmental-SOP/>.

(1) Hazardous Material Storage (HMS-ESOP)

(2) Hazardous Waste Satellite Accumulation Area (SAA-ESOP)

2. Use of HM

a. The Marine Corps policy is to reduce the quantity of HW disposed of by using the environmental management hierarchy of source reduction, recycling, treatment, and disposal.

b. Activities that operate aboard the Combat Center shall ensure the use of HM and the generation of HW shall be accomplished in a way that minimizes wasteful use and promotes recycling.

c. All applicable activities operating and or training aboard the Combat Center for 30 days or more must have an approved authorized use list (AUL). Activities that purchase HM not listed within their current and approved AUL will complete an AUL Adjustment Form (Appendix J). The requestor will route the AUL Adjustment Form, along with purchase justification, Safety Data Sheets (SDS), and department head endorsement to the Hazardous Material Management System (HMMS) Program Manager for approval.

d. All contractors operating aboard the Combat Center for 30 days or more will submit all SDSs and AULs to the HMMS Program Manager prior to commencement of work.

e. Reference (d) provides proper procedures and outlines the responsibilities for the management, use, storage, and handling of HM.

3. Treatment of HM

a. Treatment is defined as any method, technique or process, including neutralization, designed to change the physical, chemical, or biological character or composition of any hazardous waste so as to neutralize it, or render it non-hazardous or less hazardous, or to recover it, make it safer to transport, store or dispose of, or amenable for recovery, storage, or volume reduction.

b. Activities aboard the Combat Center are strictly prohibited in the treatment of HM, HW, or hazardous substances, to include emptying containers to minimize volume or toxicity, or to change or remove a physical or chemical characteristic.

4. Spill Abatement

a. The Combat Center responds to spills and incidents involving Petroleum, Oil, Lubricants, and Solvents (POL), HM and HW that take place at Mainside, Camp Wilson and Range TAs, and Expeditionary Air Field. Activities shall ensure that all spills are reported immediately and are cleaned up in a timely manner. The following procedures apply for each of the specified locations:

(1) Mainside/Camp Wilson

(a) Large Spills-55 gallons or more

1. Notify the Combat Center Fire Department (Base phone 911; Cell (760) 830-3333) immediately.

2. Refer to the Abatement ESOP (ABA-ESOP) for further instructions.

(b) Small Spills-Less than 55 gallons

1. Notify the EA Abatement Chief at (760) 830-9841.

2. Notify the units or division Environmental Compliance Coordinator.

3. Refer to the ABA-ESOP for further instructions.

(c) Vehicle Maintenance

1. Camp Wilson

a. Contact EA Abatement Chief at (760) 401-9841 or (760) 830-7244 to receive a brief before any maintenance activity; i.e., pulling of packs is performed.

b. Ensure that adequate spill prevention, secondary containment berms, absorbent pads, fluid drain containers and all other items required to conduct the maintenance in accordance with MCAGCC ESOP's.

c. All areas where maintenance was performed shall be inspected by an EA representative prior to the departure of the unit.

2. Housing

a. Vehicle maintenance is prohibited within the family housing areas. This includes fluids changing or parts replacement that involves the use of petroleum, oils and lubricants.

b. Changing of batteries is authorized. Used/old batteries must be returned to the store where the battery was purchased.

c. Changing of worn or damaged tires is authorized. Used/damaged tires must be turned in to an authorized used tire recycler.

d. All other maintenance must be conducted at the Marine Corps Community Services (MCCS) Auto Skills Center (Building 1083), or off the installation.

3. Bachelor Enlisted Quarters

a. Vehicle maintenance is strictly prohibited in the Bachelor Enlisted Quarters parking lots or parking structures.

b. All vehicular maintenance must be conducted at the MCCS Auto Skills Center, located at Building 1083, or off the installation.

(2) Range Training Area

(a) Immediately notify BEARMAT on radio frequency 46.80/44.35 or telephone number (760) 830-6535.

(b) Refer to the ABA-ESOP for further instructions.

b. No spill shall be left unattended regardless of the size of the spill.

c. The EA Abatement Chief will supervise cleanup activities or give clear direction on what must be accomplished and how it is to be completed.

d. The EA Abatement Chief will conduct follow-up visits to verify completion.

e. The spill site shall not be secured until the EA Abatement Chief gives the final clearance.

(3) Leaking Vehicles

(a) Any vehicles discovered to be leaking Petroleum, Oil, and Lubricants (POLs) are subject to be towed at the owners' expense.

5. Recycling Solid Waste and Range Residue

a. All personnel operating and residing aboard the Combat Center shall minimize, reuse, and recycle solid waste materials to the maximum extent possible. The practice of recycling and diverting waste from our landfills supports Executive Orders and the installation's mission to sustain and conserve natural resources and prevent pollution.

b. To ensure compliance with Executive Orders and the Combat Center solid waste diversion goals, all facilities, units and activities shall ensure that alternative food waste disposal methods, i.e., Organic Waste System/Food Digester, Organic Refuse Conversion Alternative, and or Dehydration Unit are utilized and maintained in accordance with the manufacture requirements. Improper management and disposal of food waste creates potential impacts to the desert tortoise and the environment.

c. In support of the installation's solid waste diversion goals, recyclable materials shall not be disposed of in the Combat Center landfill. All munitions/ordnance related materials such as; range residue will be turned in to the Range Sustainment Branch (RSB) Building (Bldg.) 2096 Rifle Range Road. All hazardous non-recyclable material will be turned in to the Hazardous Waste Management Branch (HWMB) Bldg. 2095 Rifle Range Road. All non-hazardous recyclable items will be turned in to Industrial Recycling Operations Section (IROS) or Residential Commercial and Recycling Section (RCRS) located at Bldg. 2085 Rifle Range Road.

d. The RCRS provides pickup service and turn-ins of all residential and commercial trash and recyclables.

(1) RCRS hours of operation are from (0600-1400) Monday-Friday.

(2) Residential trash and recycling containers can be requested by calling the Lincoln Military Housing Office at (760) 368-4500. (Ref: Containers Do's and Don'ts, Appendix C).

(3) Housing residents, must place their containers or bulk items on the curbside no later than 0600 on morning of the day of collection, for removal.

(4) Dumpsters and Roll off containers can be requested by calling RCRS at (760) 830-5666. (Ref: Containers Do's and Don'ts, Appendix C).

(5) Preparation Procedures (Ref: Do's and Don'ts, Appendix C).

(a) Cans. Aluminum and steel cans will be rinsed and free of food contaminants and placed (commingled) in the appropriate container for pick-up.

(b) Glass. All glass containers shall have the lids removed, rinsed and free of food contaminants and placed in the appropriate container for pick-up.

(c) Plastic. All number one and number two plastic containers shall be rinsed and the caps removed prior to placing in the appropriate container for pick-up (NOTE - the number is stamped on the bottom of the container).

(d) Paper. White ledger paper, construction paper, newspapers, and magazines will be separated and placed in the appropriate container and or in a plastic bag for pick-up.

(e) Cardboard. Ensure cardboard is free of packing materials and or trash and broken down/flattened and placed curbside (residential) and or in a designated cardboard dumpster (commercial).

e. The IROS receives, sorts, categorizes, inventories, recycles, reutilizes and sells all scrap items received from military units, donations and civilian and or private contractors.

(1) IROS hours of operation are from (0600-1400) Monday-Friday.

(2) The installation Disposal Service Representative deems all green/tactical gear as scrap and or reusable.

(3) Preparation Procedures:

(a) Wood. All waste wood materials will be segregated by size and type prior to inspection by IROS personnel.

1. Waste wood marked with the letter "P" have been treated with Pentachlorophenol and is considered HW and must be turned in to the HWMB for proper disposal. Additionally, all other treated wood waste; telephone poles, treated dimensional lumber will be turned into the HWMB for proper disposal.

2. Unserviceable wooden ammunition boxes unmarked or marked with "PA," "PB," or "PC" must be inspected by IROS or HWMB to determine proper disposal.

3. All pallets shall be returned through proper channels to activities in need of them.

4. All unwanted pallets will be delivered to IROS, Bldg. 2085.

(b) Embark Boxes. Deliver embark boxes to IROS for inspection and possible redistribution. Embark boxes in good condition must be delivered intact and damaged boxes must be broken down prior to or upon delivery.

(c) Waste Tires. The Combat Center has two authorized tire collection points (1) Auto Skills Center, Bldg. 1083 and (2) RCRS/IROS, Bldg. 2085.

1. Units and or facilities aboard the Combat Center that are not an authorized tire collection point shall not exceed 20 waste tires at any given time.

2. All tactical tires must be removed from the rim prior to turning in to RCRS/IROS Bldg. 2085 T1.

3. Commercial Privately Owned Vehicles and government commercial tires will be turned in to the Auto Skills Center Bldg. 1083.

f. The RSB only accepts munitions waste and materials from units training aboard the Combat Center.

(1) RSB hours of operation are from (0600-1400) Monday-Friday. Special arrangements for turn-ins outside of normal operating hours must be coordinated at least one week in advance by contacting the RSB at (760) 830-0302.

(2) Preparation Procedures (Ref: Turn-in Procedures for Range Residue, Appendix C):

(a) All materials MUST be segregated by type to ensure safe loads are entering the RSB for turn-in.

(b) An AMMO TECH, Staff Non-commissioned Officer, or Officer is required at the time of turn-in to sign for and remove any unfired ammo from the discovered during the turn-in process.

6. Reutilization. Combat Center units shall actively pursue redistribution of reusable items to other Combat Center units as the first source of "disposal" for unwanted items. Conversely, units shall take full advantage of excess serviceable material available at the IROS for government reutilization. Units may also draw used lumber items for government use only, at no charge from IROS.

7. TAs. All Activities operating or training aboard the Combat Center shall ensure that no HM, HW, suspected hazardous item or solid waste (garbage, litter, to include communication wire) are disposed of, left, buried, or abandoned in the TAs. All waste items need to be collected, segregated, and loaded into trucks before leaving the TAs.

8. Trash Dumpsters. All Activities operating or training aboard the Combat Center shall ensure that raven proof covers and doors on trash dumpsters are closed when dumpsters are not being actively filled or emptied.

9. Donation. The practice of donating unwanted materials is another mechanism for reuse of materials that still have a level of utility. Due to the transient nature of Combat Center personnel, the installation conducts a donation program through the Armed Services, Young Men's Christian Association via the Base Thrift Store. The primary objective of the donation program is to help military personnel and their families by providing reasonably priced donated items for purchase and to divert materials from our landfills.

10. Scavenging Prohibited. All items placed on curbside and or in dumpsters, trash cans, recycling bins, bags used for disposal pick-up, or other trash disposition containers (to include California Redemption Value items) are considered "government property." The removal of items for personal use or for removal from the Combat Center to include scavenging and dumpster diving is strictly prohibited.

11. Construction and Demolition Projects. To ensure compliance with Executive Order mandates, all construction and or demolition debris generated from a construction and or demolition activity shall be properly segregated to be recycled or beneficially reused on-site to the maximum extent possible.

12. Construction and Demolition Plan. Action sponsors and or Facilities Engineering Acquisition Division (FEAD) shall submit a Construction and Demolition Plan (CDP) to the Solid Waste Manager, EA prior to start of construction and or demolition activities.

The CDP must be completed to capture the estimated tonnage of potential construction and or demolition debris that could potentially be generated. (Ref: CDP Template, Appendix D)

13. Construction and Demolition Report. Action sponsors and or FEAD shall submit a Construction and Demolition Report (CDR) on the 15th of each quarter (January, April, July, October) to the Solid Waste Manager, EA. The CDR must be completed to capture the projects actual tonnage, cost and revenue of construction, and or demolition debris that were recycled and or disposed. (Ref: CDR Template, Appendix D)

Contact information:

Total Waste Management Program	Phone Number
RCRS, Bldg. 2085	(760) 830-5666
IROS, Bldg. 2085	(760) 830-5666
RSB, Bldg. 2096	(760) 830-0302
HWMB, Bldg. 2095	(760) 830-7244

Chapter 3

Air Quality

1. Internal Combustion Engines. The Combat Center designates Internal Combustion Engines (ICE) used aboard the installation into two categories - Tactical Support Equipment (TSE) and Non-TSE.

a. TSE. TSE is defined as portable green equipment that uses an engine with a manufacturers maximum continuous rating of fifty brake horsepower (bhp) or greater that is used in support of military tactical operations, or training for such operations. Examples include, but are not limited to ICEs, associated with portable generators, fuel pumps, welders, lights, and other equipment.

(1) All Activities aboard the Combat Center must annually register TSE inventory with fifty bhp or larger with the EA Air Resources Manager. Activities shall submit their TSE Inventory report to the EA Air Resources Manager annually, at the beginning of the calendar year.

(2) EA will provide a copy of the Combat Center's TSE registration to all Activities once all submissions are received and compiled. Activities shall ensure a copy of this report is maintained and is available for environmental compliance audits.

b. Non-TSE. Non-TSE ICEs with a manufacturer's maximum continuous rating of fifty bhp or greater are required to be permitted by the Mojave Desert Air Quality Management District (MDAQMD). All MDAQMD permit applications shall be processed through the EA Air Resources Manager. No equipment shall be placed into operation until required permits are obtained from the MDAQMD.

c. Contractor Equipment. Contractor ICE equipment operating aboard the Combat Center with a manufacturers maximum continuous rating of fifty bhp or greater must be permitted by the MDAQMD or the California Air Resources Board. All Activities sponsoring contractor support shall ensure that this requirement is fulfilled.

2. Combustion Equipment (other than Internal Combustion). Combustion equipment, such as a boiler, that has a maximum heat input rate of two million british thermal units per hour or greater must be permitted by the MDAQMD. All MDAQMD permit applications shall be processed through the EA Air Resources Manager. No equipment shall be placed into operation until required permits are obtained.

3. Vehicles

a. In-use Off-Road Diesel-Fueled Fleets. Vehicles with a diesel-fueled or alternative diesel fueled off-road compression-ignition engine with maximum power of 25 horsepower or greater.

(1) Fleet owner has 30 days from the date of purchase or the date the vehicle enters California to apply to Air Resources Board (ARB) for equipment identification number (EIN) or, if the vehicle already has an EIN, to inform ARB of the purchase using ARB approved forms.

(2) Within 30 days of receipt of the ARB-issued EIN, fleet owners must affix or paint the EIN(s) on the vehicle in accordance with the following specification:

(a) The EIN shall be white on a red background.

(b) The EIN shall be located in clear view on both sides of the outside of the vehicle approximately five feet above the ground, or, if the vehicle is not five feet tall, lower on the vehicle.

(c) Each character shall be at least 3 inches in height and 1.5 inches in width.

(3) Any person selling a vehicle with an engine subject to the Off-Road Diesel Regulation in California must notify ARB within 30 days from the date the vehicle was sold. Additionally, must also provide the following disclosure in writing to the buyer on the bill of sale:

"When operated in California, any off-road diesel vehicle may be subject to the California Air Resources Board In-Use Off-road Diesel Vehicle Regulation. It therefore could be subject to retrofit or accelerated turnover requirements to reduce emissions of air pollutants. For more information, please visit the California Air Resources Board website at: <https://ww2.arb.ca.gov/our-work/programs/use-road-diesel-fueled-fleets-regulation>

(4) Banned from adding vehicles to your fleet with Tier 0, Tier 1 and Tier 2 engines. The engine tier must be Tier 3 or higher.

(5) No vehicle or engines may idle for more than 5 consecutive minutes and fleets must also have a written idling policy that is made available to operators of the vehicles and informs them that idling is limited to 5 consecutive minutes or less.

(6) Must meet the fleet average requirements before January 1 of each year or demonstrate that it met the Best Available Control Technology requirements and report annually each year until it does so.

(7) Must review and update the fleet information annually and submit the following information by March 1 of each subsequent reporting year:

a. The Responsible Official Affirmation of Reporting information by March 1 of each subsequent reporting year. If any information reported previously has changed since either the initial or last annual report filed with ARB, the fleet owner must identify such changes. If there are no changes, the fleet shall indicate that there have been no changes since the last report

b. Large Spark-Ignition Engine Fleets. Operators of off-road large spark-ignition engine forklifts, sweeper/scrubbers, industrial tow tractors, or airport ground support equipment with 25 horsepower or more and greater than 1.0 liter displacement.

(1) Fleet must comply with the fleet average emission level standard as follows:

(a) Forklift Fleet = 1.1 grams per brake-horsepower-hour of hydrocarbons plus oxides of nitrogen.

(b) Non-forklift Fleet = 2.5 grams per brake-horsepower-hour of hydrocarbons plus oxides of nitrogen.

(2) Fleet owner has 30 days from the date of purchase or the date the vehicle enters California to apply to ARB for EIN.

(3) Within 30 days of receipt of the ARB-issued EIN, fleet owners must affix or paint the EIN(s) on one side of the equipment. Must meet the following specification:

(a) The EIN shall be white on a red background.

(b) The EIN shall be located in clear view on the outside of the equipment approximately five feet above the ground, or, if the vehicle is not five feet tall, as high above the ground as it may be placed on the equipment in a location where it remains visible.

(c) Each character shall be at least three inches in height and 1.5 inches in width.

(d) Each character of the EIN must remain legible for the entire life of the equipment.

(4) Submit annual attestation by June 30 of each year that all reported information is true, accurate and complete. If not changes to the fleet have occurred in the past 12-months, must confirm that there was no changes since the previous reporting year.

(5) Notify ARB of any changes to the fleet within 30 calendar days of such change. Applicable changes include, but are not limited to, equipment removals or additions, repowers, retrofit device installations or removals, and change in exemption status.

(6) When transfer or sale of equipment occurs, one must notify ARB, submit the date of transfer and final hour meter reading and must also convey to the transferee upon transfer, equipment records.

c. Idling

(1) Diesel powered vehicles and off-road equipment have an idling limit of five consecutive minutes.

(2) The idling policy does not apply to tactical vehicles or support equipment, emergency vehicles, buses, vehicles stopped in traffic, idling during testing or repair, idling necessary to ensure vehicles are in safe operating condition, and idling to ensure the safety of the operator.

(3) Buses are allowed to idle ten minutes prior to boarding and while passengers are onboard.

4. Petroleum, Oil, Lubricants, and Solvents

a. Equipment used for storage or dispensing of F-24, JP5 or diesel with a capacity of 20,000 gallons or larger are required to be permitted by the MDAQMD. All MDAQMD permits are processed through the EA Air Resources Manager. No equipment shall be placed into operation until required permits are obtained from the MDAQMD.

b. Equipment used for storage of oil designated for disposal or recycling with a capacity of 793 gallons or larger are required to be permitted by the MDAQMD. All MDAQMD permits are processed through the EA Air Resources Manager. No equipment shall be placed into operation until required permits are obtained from the MDAQMD.

c. Equipment used exclusively for the storage or transfer of gasoline with a capacity of 250 gallons or larger must be permitted by the MDAQMD. All MDAQMD permit applications shall be processed through the EA Air Resources Manager. No equipment shall be placed into operation until required permits are obtained from the MDAQMD.

d. Solvent Tanks, Parts Washers, and Solvent Dispensing Containers

(1) Equipment with a capacity 250 gallons or greater, an open surface area of 10.8 square feet or larger; or an internal volume of 92.5 gallons; larger is required to be permitted by the MDAQMD.

(1) Equipment with an unheated solvent dispensing container with a capacity of 250 gallons or greater, or an unheated, non-conveyORIZED, non-agitated solvent rinsing container with an open surface area of 10.8 square feet or larger and an internal volume of 92.5 gallons or larger is required to be permitted by the MDAQMD. All MDAQMD permits are processed through the EA Air Resources Manager. No equipment shall be placed into operation until appropriate permits are obtained from the MDAQMD.

(2) Aerosol Solvents can only be used when objects cannot be moved or will not fit into a stationary parts washer. The ESOP Degreasing Aerosols (DGR-ESOP) contains detailed environmental requirements for aerosol containers used to dispense degreasing material aboard the Combat Center and is available at <https://www.29palms.marines.mil/Staff-Offices/Environmental-Affairs/Environmental-SOP/>.

5. Painting, Coating, and Paint Removal

a. Spray and Surface Coating Equipment. Equipment and painting operations using a combined total of one gallon or more per day of paint and solvent are required to be permitted by the MDAQMD. All MDAQMD Permits are processed through the EA Air Resources Manager. Equipment and or painting operations shall not commence until required permits are obtained from the MDAQMD.

b. Vehicle Painting

(1) High-volume low pressure spray guns in an open area using one gallon or more per day (paint and solvent combined) are required to be permitted by the MDAQMD. All MDAQMD permits are processed through the EA Air Resources Manager. Equipment and or painting operations shall not commence until required permits are obtained from the MDAQMD.

(2) Activities shall comply with MDAQMD Rule 1116 which contains Volatile Organic Compound limits for Automotive Coating.

c. Aerosol Painting. Aerosol painting is allowed for touch-up purposes only. Touch-up painting is defined as painting an area less than two square feet.

d. Surface Prep and Cleaning Operations

(1) If using solvent for surface preparation and cleaning operations,

comply with the following stipulations:

(a) Use closed, non-absorbent containers for the storage or disposal of any applicator (e.g. bushes, swaps, cloth, paper) used.

(b) Store fresh or spent solvent in vapor tight and closed containers.

(c) Utilize an enclosed cleaning system if using organic compounds when cleaning spray equipment, including paint liners.

(d) Do not use an organic compound, or mixture thereof, for surface preparation with a VOC content in excess of 25 grams per liter.

e. Paint Removal Abrasive Blasting

(1) Most abrasive blasting operations are required to be permitted by the MDAQMD. All MDAQMD permits are processed through the EA Air Resources Manager and the operation shall not begin until required permits are obtained from the MDAQMD.

(2) Abrasive blasting activities shall be conducted within a permanent building. Only under special conditions may abrasive blasting be conducted outdoors.

6. Fires and Open Burns

a. Open fires and burns of any kind are strictly prohibited, except for training Fire Department personnel.

b. The Fire Department shall request a Mojave Desert Air Quality Management District Burn Notification from the EA Air Resources Manager at least 72 hours in advance of scheduled Fire Department personnel training. Appendix E is the Combat Center's Burn Notification.

7. Fugitive Dust

a. All activities operating aboard the Combat Center shall not cause or allow the emissions of fugitive dust from any transport, handling, construction, or storage activity so that the presence of such dust remains visible in the atmosphere beyond the property line of the emission source. This requirement is not applicable to emissions emanating from unpaved roadways open to public travel.

b. All activities operating aboard the Combat Center shall take every reasonable precaution to minimize fugitive dust emissions from wrecking, excavation, grading, clearing of land, and solid waste disposal operations.

c. All activities operating aboard the Combat Center shall take every reasonable precaution to prevent visible particulate matter from being deposited upon public roadways as a direct result of their operations. Reasonable precautions shall include, but are not limited to, the removal of particulate matter from equipment prior to movement on paved streets or the prompt removal of any material from paved streets onto which such material has been deposited.

8. Asbestos

a. Regulated Asbestos Containing Material (ACM) is subject to federal requirements, recordkeeping, and oversight, as outlined in 40 Code of Federal Regulations, Part 61, Subpart M, National Emissions Standards for Asbestos.

b. Regardless of age, all facilities shall have an asbestos building survey conducted prior to any renovation or demolition. If a facility does not have a lead and asbestos survey, it will be presumed to have lead containing material/asbestos containing material until proven otherwise.

c. Notify the MDAQMD 20 working days prior to commencement of all renovation and demolition projects and pay all necessary fees. Any asbestos abatement project, regardless of scope, that requires negative pressure or vacuum machinery shall submit a permit to operate through MDAQMD.

d. Removal of ACM and/or LCM aboard the Combat Center is only authorized by trained and certified personnel.

e. Combat Center Order 5100.2E provides direction for asbestos containing materials aboard the Combat Center and is available at <https://www.29palms.marines.mil/Staff-Offices/Resource-Management-Directorate/Adjutant-Office/Orders/>

9. Ozone Depleting Substances

a. Ozone Depleting Substances are HM that may pose serious danger to human health and the environment if not handled and stored properly.

b. The ESOP Refrigerant and Halon Operations and Management (REF-ESOP) contains detailed environmental protection guidelines for use of refrigerant and halon systems. The REF-ESOP contains detailed environmental requirements for refrigerant recovery, replacement, use, and operation aboard the Combat Center. ESOPs are available at <https://www.29palms.marines.mil/Staff-Offices/Installation-Support-Directorate/Environmental-Affairs/Environmental-SOP/>

Chapter 4

Water Quality

1. Potable Water

a. The use of potable (drinking) water for non-drinking uses (i.e. landscaping) shall be limited to the maximum extent possible in accordance with all water conservation directives, CG Water Conservation Policy, and applicable laws/regulations.

b. Potable water use shall be in accordance with all water conservation directives, Commanding General (CG) Water Conservation Policy, and applicable laws/regulations. CCBul 5090 and Appendix B pertains.

c. Access to or use of any Water Sampling Stations is prohibited unless first cleared in writing with the EA Water Resources Manager.

d. Any potable wells placed/installed aboard the Combat Center must be permitted. Permits will be obtained and cleared through the EA Water Resources Manager prior to construction or development to ensure compliance with the permitting process.

e. Groundwater wells and water pipelines located aboard the Combat Center (TAs, Mainside, and Expeditionary Air Field/Camp Wilson) will be avoided at all times.

f. In accordance with California Code of Regulations, Title 22, Article 5, Section 64583, any new or repaired well, or a well that has been out of service for more than three months, must be sampled for bacteriological quality prior to being placed into service. A copy of the sample results must be provided to the EA Water Resources Manager for review and approval prior to the well being placed into service.

g. Any use of Combat Center water supply must be protected with a properly certified backflow preventer (double check or reduced pressure). The Combat Center no longer approves the use of vehicle air gap(s). California Code of Regulations Title 17, Chapter 5, Article 2 Section 7605 outlines backflow testing and usage requirements. Testing results must be reported to the EA Resources Manager and Combat Center Cross Connection Control Manager prior to being placed into service.

h. Any backflow devices installed or removed must be reported to the PWD Cross Connection Control Manager for addition and/or updated to the Combat Center's inventory. No backflow device will be removed without first receiving written approval from the PWD Cross Connection Control Manager. Information reported must include: location, make, model number, size, and serial number. All backflow installations must comply with California Code of Regulations Title 17, Chapter 5 and Combat Center Cross Connection Control Plan.

i. Installation of new water mains requires complete disinfection and bacteriological sampling to be conducted. California Code of Regulation Title 22, Chapter 15, Article 3, Section 64421(b) and California Code of Regulations Title 22, Chapter 15, Article 5, Section 64580 applies. A copy of the

bacteriological sampling results shall be submitted to the EA Water Resources Manager for review and approval prior to the water line being placed into service.

j. In accordance with California Code of Regulations Title 22, Chapter 13, Article 2, Section 63770(b), a certified distribution operator must be present during the entire water line disinfection process. The complete disinfection process must be in full compliance with California Code of Regulation Title 22, Chapter 15, Article 3, Section 64421(b) and California Code of Regulations Title 22, Chapter 15, Article 5, Section 64580.

k. Any newly-installed distribution reservoir or distribution reservoir that has been taken out of service for repair or inspection must be disinfected and sampled for bacteriological quality in accordance with California Code of Regulation Title 22, Chapter 15, Article 5, Section 64582. A copy of all bacteriological sampling results must be submitted to the EA Water Resources Manager for review and approval prior to the reservoir being placed into service.

l. All new construction, major renovation, repair, and alterations of buildings 5,000 sq/ft or grater must include the installation of new water saving fixtures (faucets, urinals, toilets, and showers). Executive Order 13693 and Combat Center Bulletin 5090 (Drought Response Bulletin) apply. The fixtures installed must meet the following gallons per minute and gallons per flush standards:

(1) Bathroom faucets must not exceed a flowrate of 1.0 gallons per minute.

(2) Kitchen faucets must not exceed a flowrate of 1.5 gallons per minute.

(3) Urinals must not utilize more than .5 gallons per flush.

(4) Toilets must not utilize more than 1.28 gallon per flush.

(5) Shower heads must not exceed a flowrate of 2.0 gallons per minute.

m. All water mains must be constructed in accordance with the California Code of Regulations Title 22, Chapter 16, Article 4, Section 64572. Specifically, maintaining a 10 foot horizontal separation from sewage lines.

n. In accordance with American Water Works Association and other requirements as applicable, a valve exercise and replacement program must be accomplished. A monthly status report of valve exercise program, number of valves exercised, number repairs, number damaged, and non-operable must be provided to the EA Water Resources Manager.

o. Any flowing or flushing of fire hydrants must be performed with the use of a diffuser to reduce erosion of surrounding soils. All flushing must be conducted with water conservation in mind.

2. Non-Potable Water

a. Non-potable water shall be used for activities such as vehicle/equipment washing, construction activities, dust suppression, and industrial applications. If non-potable water is not available, potable water use will be authorized by the EA Water Resources Manager.

b. Any additional non-potable wells placed aboard the Combat Center shall be permitted as required. Permits will be obtained and cleared through the EA Water Resources Manager prior to construction or development to ensure compliance with the permitting process.

c. Request must be submitted to EA Water Resources Manager prior to the development/installation of any non-potable water wells. EA is responsible for obtaining state approval once request is submitted.

3. Landscaping

a. Xeriscape and desert landscaping must be utilized to the maximum extent practical for all landscaping. Native and drought tolerant plants must be used.

b. Recycled water must be utilized to the maximum extent practical in accordance with all water conservation directives, CG Water Conservation Policy, CCBul 5090, and applicable laws/regulations.

c. All activities shall ensure irrigation practices are in compliance with all water conservation directives, CG Water Conservation Policy, CCBul 5090, and applicable laws/regulations.

d. All actions must be in accordance with the Combat Center Installation Sustainability Action Plan, federal and state Executive Orders for water conservation.

4. Wastewater

a. Wastewater from field laundry, Expeditionary Field Kitchen, and showers (Gray Water) may be discharged to a seepage pit. This seepage pit/impoundment will be constructed with sand bags or a berm in accordance with CCO 5090.1H.

(1) Appendix F contains the Combat Center's field wastewater guidelines.

(2) Appendix G is the Combat Center Gray Water Discharge Request. Units/Organizations wishing to utilize field shower, laundry, or mess equipment shall submit a Combat Center Gray Water Discharge Request electronically to EA Water Resources Manager for approval prior to their training event. If Gray/Black Water is collected via a pumping contract the base sanitary sewer is authorized for disposal and a Gray Water Discharge Request is not required.

b. Liquid messing wastewater (Black Water) will not be disposed of to surface waters or to the ground. Units/Organizations must adhere to the Combat Center's Black Water guidelines that address the requirements for capturing and disposing of Black Water through approved collection and removal processes. Appendix F pertains.

c. All messing spoils shall be disposed of as wet garbage at appropriate disposal sites. Appendix F pertains.

d. The discharge of any hazardous waste or hazardous material to floor drains or storm channel is strictly prohibited.

e. Water and wastewater storage tanks associated with shower/laundry trailers will be clearly labeled to prevent cross contamination.

f. The location (Universal Transverse Mercator coordinate system and building number), size, depth and other pertinent information related to the installation of any septic tank must be provided to EA Water Resources Manager. Underground Injection Control Program, California Code of Regulations Chapter 40 Part 144-148 applies.

g. All galley/kitchen sinks and floor drains must be connected to an exterior, in ground grease interceptor. The grease interceptor will then connect to the Sanitary Sewer System. All grease interceptors must be pumped and maintained to prevent pass through of grease and oils. All grease interceptors will be pumped when the grease interceptor Fat, Oil, Grease (FOG) layer and food solids layer is greater than 25% of the total tank capacity. When the FOG layer is greater than four inches the interceptor must be pumped of complete contents. Emphasis needs to be placed on ensuring the interceptor is on a regular complete pump schedule.

5. Car Wash

a. CCBul 5090 contains the Combat Center's policy for fund raising car washes. Activities requesting a fund raising car wash must adhere to the requirements as established in CCBul 5090. Fundraising carwashes will only take place at the MCCS carwash (Bldg. 1075).

b. Washing of vehicles in the training areas or parking lots is prohibited. Only the use of designated vehicle wash areas are authorized.

c. The washing of privately owned vehicles in housing is permitted. Washing of engines or degreasing operations are strictly prohibited.

d. Portable car washing services shall provide SDSs prior to the commencement of work and will comply with all Combat Center requirements.

e. The washing of privately owned vehicles is prohibited at military wash racks.

6. Portable Toilets

a. Portable toilet waste generated aboard the Combat Center shall be dumped at the Dump Station, located at lift Station #6 in Camp Wilson. Access to the dump station shall be obtained through the PWD Facility Management Branch.

b. No alternate dump site will be used without PWD and EA written approval prior to use.

c. Dumping of off installation generated portable toilet or septic tank waste aboard the Combat Center is strictly prohibited.

d. All portable toilets used aboard the Combat Center must be tied or staked down to prevent tipping/spillage. Portable toilets will not be placed within 20 feet of any storm channel or natural wash.

7. Sanitary Sewer Overflow. All Sanitary Sewer Overflows aboard the Combat Center must be reported to the EA Water Resources Manager in accordance with the installation Sanitary Sewer Management Plan.

8. Storm Water

a. The discharge of any non-storm water or waste to storm drains, ditches, or storm channels is strictly prohibited.

b. Responsible activities will ensure that storm channels are kept free of debris.

c. All paints, solvents, and equipment used in painting must be handled/disposed of properly and will not be washed out on the ground.

d. Cleaning and mop water will not be disposed of on the ground. Disposal will be via mop/deep sinks or restroom floor drains.

e. Concrete washout containment will be in place and used. Concrete washout containment must not leak. All dried concrete washout material will be disposed of properly. Concrete washouts will not be dug into the ground; washouts will be at/above grade.

f. The application of polymers for dust suppression must be approved by the EA Water Resources Manager prior to application.

g. All stormwater and non-stormwater runoff from construction site(s) will be clear of any contaminants and controlled/released to proper storm water channels. Combat Center Stormwater Management Plan Best Management Practices will be followed.

h. Any project disturbing one or more acres of soil must submit a Stormwater Pollution Prevention Plan in accordance with the Combat Center Stormwater Management Plan. For projects disturbing less than one acre of soil, an Erosion Control Plan must be submitted in accordance with the Combat Center Stormwater Management Plan. Stormwater Management Plans and Erosion Control Plans must be submitted to the EA Water Resources Manager for review 21 days prior to the commencement of work. EA is solely responsible for review, providing comments, and approval of Stormwater Pollution Prevention Plans and Erosion Control Plans. Work will not commence until the Stormwater Pollution Prevention Plan or Erosion Control Plan has been approved by EA.

i. No water, waste stream, or other materials will be discharged into storm channels without written pre-approval from the EA Water Resources Manager.

j. Facility Engineering and Acquisition Division must not close any projects that have stormwater requirements or permits without written consent from EA Water Resources Manager.

9. Recycled Water

a. All pipes installed above or below the ground, on and after June 1, 1993, that are designed to carry recycled water, must be colored purple or distinctively wrapped with purple tape. This requirement includes all irrigation lines, sprinkler heads, valve boxes, caps/covers, hoses, and quick connections. Compliance with Title 17 California Code of Regulations §116815 (a) applies.

b. Proper signage must be placed indicating the use of recycled water. The sign will be in conformance with Title 22 California Code of Regulations Article 4 §60310 (g) which requires the following: all areas where recycled water is used that are accessible to the public must be posted with signs that are visible to the public, in a size no less than 4 inches high by 8 inches wide, that include the following wording: "RECYCLED WATER - DO NOT DRINK." Each sign must display an international symbol similar to that shown in Title 22 California Code of Regulations Article 4 figure 60310-A.

c. Any portions of the recycled water piping system that are in areas subject to access by the general public must not include any hose bibs. Only quick couplers that differ from those used on the potable water system will be used on the portions of the recycled water piping system in areas subject to public access. Compliance with Title 22 California Code of Regulations Article 4 §60310 (i) applies.

Chapter 5

Natural Resources

1. General Requirements

a. Points of Contact. Environmental Affairs (EA) Conservation: Branch Head (760) 830-5720; Natural Resources Specialist (760) 830-5719; or Biologist (760) 830-5728.

b. The following Combat Center Orders (CCO), their associated Environmental SOP (ESOP), and plan apply to Natural Resources requirements. Electronic copies are available at: <https://www.29palms.marines.mil/Staff-Offices/Resource-Management-Directorate/Adjutant-Office/Orders/> and <https://www.29palms.marines.mil/Staff-offices/Environmental-Affairs/>.

(1) CCO 3500.4, Range, Training Area, and Airspace Program;

(2) CCO 5090.1, Environmental Protection;

(3) Vegetation Maintenance and Removal (VMR-ESOP);

(4) Wildlife Handling (Wildlife Handling-ESOP);

(5) Soil Excavation and Grading (SEG-ESOP);

(6) MCAGCC Integrated Natural Resource Management Plan.

c. Without specific authorization and instruction from EA Conservation, it is prohibited to touch, handle, capture, harass, haze, kill, bury, feed, water or shelter any wildlife.

d. EA Conservation is required by law to log and report injuries and mortalities of desert tortoises and migratory birds, and observations of desert tortoises.

e. Appendix I contains a wildlife response matrix and call list indicating responsibility and appropriate contact information for personnel authorized to deal with living or dead wildlife. A copy of this matrix should be posted or maintained in the Officer of the Day turnover folder.

f. See authorization to discourage nest building by birds (see Birds, Nests and Parts below).

g. Open fires are prohibited aboard the Combat Center without specific authorization from EA. Backyard fires in base housing are subject to CCO 11101.12N.

2. Desert Tortoise

a. The desert tortoise is listed as a threatened species by the U.S. Fish and Wildlife Service and the State of California. Implementing the requirements identified in this order is necessary to ensure training operations aboard the Combat Center.

b. It is illegal to possess, harass, injure, or kill a desert tortoise. Accidental injury or death of a desert tortoise is not subject to prosecution or penalty if reported promptly to EA and, when in the training areas, to Range Control (call sign: BEARMAT).

c. Immediately report to EA, the location of any injured or deceased desert tortoise anywhere aboard the Combat Center.

d. Immediately report to EA, the location of any desert tortoise in any developed area, including Mainside, Camp Wilson or ranges.

e. Prior to moving vehicles that have been stationary in the field, check underneath the carriage, tires or tracks (from front and behind), as tortoises may seek shade under vehicles.

f. Picking up or moving a desert tortoise is authorized only when:

(1) Necessary to protect the tortoise from immediate threat (e.g., a vehicle strike on a road), or otherwise

(2) Explicitly authorized by Range Control while in the range, training areas or Camp Wilson, or by EA Conservation while occupying Mainside.

(a) When authorized to move an uninjured tortoise in a range or training area, follow BEARMAT instructions to place it nearby in a safe, low risk area, such as in the shade of plant cover more than 100 meters (or yards) from an MSR (Main or Military Supply Route). Immediately report its initial and safe locations, and whether it voided urine, to BEARMAT. It is mandatory to remain with the tortoise if it voids urine, and seek further instructions from BEARMAT.

(b) When finding an injured tortoise (or one that voids its bladder), secure it, remain with it, and pursue immediate instructions from BEARMAT (if in the ranges or training areas), or EA Conservation (760) 830-5720 or Provost Marshall's Office (760)830-6800 (if at Mainside).

g. Federal actions aboard the Combat Center may affect the desert tortoise, and require environmental review by EA and, sometimes, external regulators. See Chapter 8 of this order for environmental review procedures.

3. Birds, Nests, and Parts

a. Bird eggs, juveniles, adults, active nests (with eggs or nestlings) and parts are protected by the Migratory Bird Treaty Act or the Bald and Golden Eagle Protection Act. Some species (e.g., pigeons, European Starlings, and English House Sparrows) are exceptions to protection under the Migratory Bird Treaty Act (contact Public Works Pest Control: (760) 830-6650).

b. Bird nests may not be moved, damaged, or destroyed without specific authorization from EA.

(1) To discourage bird nesting that may hinder operations, personnel may use light, noise and other injurious harassment methods that do not directly harm the birds.

(2) Harassment must cease once eggs are laid in the nest.

(3) EA may authorize personnel to move a partially-constructed nest.

c. Contact EA Conservation if birds, bird parts, nests, or eggs are found obstructing the training mission, or in any plant material that has been removed via manual or natural means. Bird materials are protected by law and may be handled only by authorized personnel.

d. Nest Check Authorization and Record Keeping:

(1) Checking nest needs for avoidance or removal is performed only by staff or organizations trained and authorized by EA Conservation.

(2) EA Conservation staff can perform nest checks if they are contacted at least two business days in advance of work starting.

(3) EA encourages organizations performing regular vegetation maintenance to have their personnel authorized to conduct nest checks. Personnel eligible to receive authorization shall have operational control over the work being performed and at least three years of vegetation maintenance experience (e.g., grounds keeping crew lead). Contact EA Conservation to obtain this authorization.

(a) The person conducting the nest check shall provide a copy of the completed Record of Nest Check to EA Conservation for permanent record keeping (See VMR-ESOP).

(b) Vegetation maintenance crews shall maintain at their worksite a copy of the completed Record of Nest Checks.

(c) EA Conservation shall maintain records of any personnel that have been authorized to conduct nest checks.

4. Snakes and Other Wildlife

a. All wildlife on MCAGCC are protected by state law, so do not haze, harass, disturb, touch, handle, injure or kill them. These restriction are in addition to protections for tortoises and birds, which have federal protection. Some species may be targeted for control by EA Conservation (760) 830-5720.

b. If wildlife are injured, dead or impeding the military or civilian mission, especially desert tortoises and birds, contact Range Control if down range, or EA Conservation (760) 830-5720 or Provost Marshall's Office (760) 830-6800 if at Mainside.

c. Contact Pest Control (760 910 4007) for assistance with black rats (aka. Norwegian or Brown rats), cockroaches and ants.

d. Snakes:

(1) If a rattlesnake (i.e., Sidewinder, Speckled Rattlesnake, or Mojave Rattlesnake) is impeding your mission (military or civilian) or posing an immediate risk, secure the vicinity, remain visual awareness of the snake, and contact Range Control if down range, or EA Conservation (760) 830-5720 or Provost Marshall's Office (760) 830-6800 if at Mainside. Follow their instructions and do not try to handle the snake yourself. All rattlesnakes are venomous and potentially lethal.

(2) The other thirteen snake species are not venomous but can cause painful bites if they are cornered. For injured or snakes at risk with the mission, contact Range Control if down range, or EA Conservation (760) 830-5720 or Provost Marshall's Office (760) 830-6800 if at Mainside.

e. Sensitive Species:

(1) Some species are under study to prevent their listing under the Endangered Species Act (which could constrain the mission). These 'sensitive' species include Desert bighorn sheep, Mojave Fringe-Toed Lizards, Golden Eagles, and Burrowing Owls.

(2) Do not disturb game cameras, sheep guzzlers, rain mats, satellite transmitters and related materials. Report trespass and related damages to Range Control (downrange), and EA Conservation.

f. Handling Wildlife

(1) Ensure compliance with the Wildlife Handling ESOP, regarding any wildlife present at Mainside or in the range training areas.

(2) Natural resources and conservation law enforcement staff within EA are authorized to handle wildlife.

(3) The Provost Marshall's Office and Fire Department personnel are authorized to handle wildlife to mitigate a threat to personnel when natural resources and conservation law enforcement staff are otherwise unavailable.

(4) Dispose of dead wildlife other than snakes by placing the carcass into a sealed bag (e.g., yard waste bag), placing into a solid waste collection container, and notifying EA. See Section 4 for procedures specific to snake carcasses.

5. Pets

a. Only animals described in CCO 11101.12N may be kept as pets in base housing. Horses may be kept at the stables, in accordance with the relevant order. No other animal may be kept aboard the Combat Center without specific authorization from EA.

b. Possession of captive desert tortoises, or any other tortoise species, is prohibited aboard the Combat Center. Under no circumstances shall a tortoise of any species be released aboard the Combat Center. Call EA to turn in unauthorized tortoises of any species.

c. No pets are allowed in the TAs (excluding Mainside). Military working dogs under the control of their handlers are exempt from this prohibition.

d. Deceased animals (maximum 50 lbs.) may be disposed of at the Combat Center landfill. Animals shall be double-bagged, and landfill operations staff must be informed prior to disposal.

6. Introducing Plants and Animals

a. Only plants found on the approved plant list at Appendix H may be used for landscaping. Common houseplants may be kept indoors. No other plants may be introduced or released to the Combat Center without specific authorization from EA. Contact EA for requested changes to the approved plant list.

b. No animal except for approved pets and horses may be brought aboard the Combat Center without specific authorization from EA. No animal, including pets, may be released aboard the installation without specific authorization from EA.

7. Trimming or Removing Vegetation

a. Prior to starting work ensure compliance with the ESOPs for National Environmental Policy Act (NEPA) Documentation and VMR.

b. Trimming or removing vegetation in Mainside from 1 February through 30 September requires a nest check by authorized personnel (see Section 10.d.-10.f., and VMR-ESOP) prior to the start of work. The person conducting the nest check shall provide a completed Record of Nest Check to both the requesting organization and to EA documenting the proposed work is clear to proceed. Trimming or removing of vegetation shall occur within two days of the nest check. If work lasts longer than two days a second nest check of the entire remaining work area shall be performed and reported by authorized personnel as described above.

c. Trimming or removing vegetation in Mainside from 1 October through 31 January does not require a nest check.

d. Additional Requirements for Vegetation and Stump Removal

(1) Contact the Public Works Division to obtain a dig permit, as applicable. Ensure all permit requirements are met.

(2) Ensure compliance with the SEG-ESOP and as further discussed below.

(3) Invasive species aboard MCAGCC affect wildlife habitat, visual quality, land economic value, and the military training mission. Prevent the introduction and spread of invasive species by inspection and decontamination of vehicles, equipment, and gear which may harbor plant seeds and roots.

(4) For general requirements in the range training areas, see Chapter 7.

8. Soil Excavation and Grading

a. Ensure compliance with the ESOPs for National Environmental Policy Act Documentation and SEG-ESOP, prior to starting work.

b. Contact the Public Works Division to obtain a dig permit, as applicable. Ensure all permit requirements are met.

c. Cover any holes or trenches overnight or when left unattended.

d. Personnel intending to perform road maintenance in or directly adjacent to base Restricted Areas shall contact EA Conservation at (760) 830-5720 prior to initiating work.

e. For general requirements in the range training areas, see Chapter 7.

f. Contact EA Conservation Branch Head at (760) 830-5720 regarding specific situations or other concerns not addressed in this section.

9. Outdoor Recreation

a. The Combat Center's Integrated Natural Resources Management Plan identifies designated outdoor recreation sites.

b. All outdoor recreation in the TA outside designated sites requires specific authorization from EA and, if in the training areas, BEARMAT.

c. Off-Highway Vehicle (OHV) use outside designated OHV sites is not authorized aboard the Combat Center except in the execution of official duties, or with specific authorization from EA and BEARMAT.

d. Hunting is not generally available aboard the Combat Center and requires specific authorization from EA and BEARMAT.

Chapter 6

Cultural Resources

1. General Requirements

a. Points of Contact. Contact the Environmental Affairs (EA) Conservation: Branch Head (760) 830-5720; or Archaeologist (760) 830-5369.

b. Cultural resources include:

(1) All remnants of prehistoric Native American activity, such as arrowheads, fire pits, and rock art;

(2) All remnants of historic activity from later periods (generally 50 years or older), such as mines and mining debris, homesteading material, trash dumps, and older military materials; and

(3) All paleontological materials such as fossil plants or animals.

c. Cultural resources are protected by federal and state laws and regulations, Executive Orders, and Presidential Memorandums. Implementing the requirements identified in this order is necessary to ensure continued training operations aboard the Combat Center.

d. Federal actions undertaken aboard the Combat Center may affect cultural resources, and require environmental review by EA Conservation and sometimes external regulators, interested public and Native American tribes. See Chapter 8 of this order for environmental review procedures.

2. Damage, Theft, or Removal of Cultural Resources

a. It is illegal to take, excavate, injure, damage, vandalize, move, or remove any cultural resources aboard the Combat Center. Accidental damage to a cultural resource is not subject to prosecution or penalty if reported promptly to EA and (when in the training area) to BEARMAT. If at Mainside, contact EA Conservation directly.

b. Do not collect, pick up, move, remove, excavate, or otherwise damage any artifacts without specific authorization from EA Conservation.

c. Do not damage or deface any boulder, rock formation, rock face, or cliff, whether or not rock art is visible, without specific authorization from EA Conservation.

d. It is prohibited to remove rocks from the range training areas.

e. Do not enter any cave, mine shaft, or excavation without specific authorization from EA Conservation.

3. Inadvertent Discovery. In the event of unexpected or accidental finding of cultural resources, such as while engaging in ground-disturbing activities:

a. Halt all activity within 30 meters of the find; and

b. Immediately report the discovery to EA Conservation and, if in the training area, to BEARMAT.

Chapter 7**Training Area Use****1. General Requirements**

a. All personnel entering the training areas shall receive MAGTFTC's general environmental awareness training.

b. Prior to operating on land outside the Combat Center's boundaries, or within the Shared Use Area while it is managed by the Bureau of Land Management, the requesting unit shall coordinate the proposed action through the AC/S MTD. The AC/S MTD shall coordinate required environmental actions with GEA and EA.

c. Incidents involving trespass, or the dropping, firing, or detonating of weapons or ordnance within, off-base areas shall be immediately reported by all parties to the AC/S MTD, the Director of EA, and the Staff Judge Advocate.

d. Restricted Areas (Appendix L) are off-limits to all off-road vehicle maneuver, bivouac, digging, or other ground-disturbing activities. While in the range training areas, all personnel shall maintain a copy of the current map, showing the precise locations of the Restricted Areas.

e. Installation Restoration Program (IRP) sites (Appendix M) are off-limits for certain activities due to contamination or remediation efforts. For more information, contact the Program Manager: (760) 830-7722.

f. Comply with additional environmental requirements for training as identified in CCO 3500.4 and its associated SOP. The CCO and SOP are available at: <https://www.29palms.marines.mil/Staff-Offices/Resource-Management-Directorate/Adjutant-Office/Orders/>; and https://usmc.sharepoint-mil.us/sites/TECOM_MAGTFTC_G3/SitePages/Home.aspx

Chapter 8**National Environmental Policy Act**

1. General. To ensure informed agency decision making, the National Environmental Policy Act (NEPA) requires federal agencies to consider the environmental impacts of proposed actions and involve the public in the NEPA process, as appropriate, before taking action.

2. Application.

a. The applicable NEPA process and NEPA documents types are set forth in the Council on Environmental Quality regulations (40 CFR Parts 1500 to 1508) as supplemented by the Department of the Navy regulations (32 CFR Part 775).

b. NEPA applies to major federal actions, as defined in Council on Environmental Quality regulations (40 CFR §1508.1(q)).

(1) Major federal actions are usually within the following categories - policies, plans, programs, and projects (40 CFR §1508.1(q)(3)).

(2) Major federal actions include: new and continuing activities; actions entirely or partly financed, assisted, conducted, regulated, or approved by federal agencies; new or revised agency rules, regulations, plans, policies, or procedures; and legislative proposals (40 CFR §1508.1(q)(2)).

(3) Some federal actions are excluded from NEPA (40 CFR §1508.1(q)(1)).

c. As to continuing activities, new or additional NEPA process and documentation may be required for the following scenarios: environmental effects have not been previously evaluated in a NEPA document and substantial environmental degradation is occurring or likely to occur; environmental effects are significantly and qualitatively different or more severe than predicted in a NEPA document; or there is a substantial change in a continuing activity with potential for significant environmental impacts (32 CFR § 775.6(c)(1) to (2)).

3. NEPA Compliance and Responsibilities.

a. The responsibility for NEPA compliance is with the action sponsor that is proposing the action and the federal decision maker. The action sponsor works with Environmental Affairs and the NEPA program manager to ensure NEPA requirements are met, in advance of the federal decision and implementation.

b. CCO 5090.4J, National Environmental Policy Act Compliance, sets forth NEPA compliance expectations at the Combat Center. An electronic version is available at: <https://www.29palms.marines.mil/Staff-Offices/Resource-Management-Directorate/Adjutant-Office/Orders/>

c. The Environmental Standard Operating Procedure for NEPA Documentation explains how to initiate the NEPA process at the Combat Center via the Request for Environmental Impact Review. An electronic version is available at: <https://www.29palms.marines.mil/Staff-Offices/Installation-Support-Directorate/Environmental-Affairs/Environmental-SOP/>

d. Current requirements for use of categorical exclusions, as referenced in project Decision Memorandums, are listed in Appendix K.

APPENDIX A - ENVIRONMENTAL REFERENCES

- a. CCO 5090.1H is the MAGTFTC, MCAGCC's Environmental Protection, establishing environmental policies and procedures that ensures the preservation of the Combat Center's training opportunities. <https://www.29palms.marines.mil/Staff-Offices/Resource-Management-Directorate/Adjutant-Office/Orders/>.
- b. CCO 5090.2C is the MAGTFTC, MCAGCC's Comprehensive Environmental Training and Education Program (CETEP) Plan that prescribes the regulations and training requirements as it pertains to the performance of duties in the environmental field aboard the Combat Center. <https://www.29palms.marines.mil/Staff-Offices/Resource-Management-Directorate/Adjutant-Office/Orders/>.
- c. CCO 5090.4J is the MAGTFTC, MCAGCC's Order regarding National Environmental Policy Act compliance, it details specific information regarding the environmental review and approval process prior to performing or taking an action that may affect the environment. <https://www.29palms.marines.mil/Staff-Offices/Resource-Management-Directorate/Adjutant-Office/Orders/>.
- d. CCO 5090.5D is the MAGTFTC, MCAGCC's Integrated Contingency and Operations Plan that establishes policies and procedures to manage hazardous, unregulated solid, recyclable, universal, and biological waste and material. It establishes policies and procedures in the areas of emergency preparedness, response, and storage tank management aboard the Combat Center. <https://www.29palms.marines.mil/Staff-Offices/Resource-Management-Directorate/Adjutant-Office/Orders/>.
- e. CCO 5090.8B, is the MAGTFTC, MCAGCC's Environmental Management System (EMS) Manual that establishes EMS policy and procedures to sustain environmental compliance, reduce pollution, and reduce environmental and mission risk. <https://www.29palms.marines.mil/Staff-Offices/Resource-Management-Directorate/Adjutant-Office/Orders/>.
- f. MAGTFTC, MCAGCC's Integrated Natural Resources Management Plan is MAGTFTC, MCAGCC's five year plan for management and improvement of land usage. It represents a cooperative agreement between MCAGCC, the United States Fish & Wildlife Service and the California Department of Fish & Game. This plan includes a preliminary Wildfire Management Plan and information detailing MCAGCC's compliance with Executive Orders and regulations regarding Invasive Species. <https://www.29palms.marines.mil/Staff-Offices/Environmental-Affairs>.
- g. MAGTFTC, MCAGCC's Integrated Cultural Resource Management Plan is MAGTFTC, MCAGCC's five year plan that integrates the full spectrum of legal mandates, mission related actions, cultural resources types, and other planning considerations into a single cultural resource management plan.
- h. MAGTFTC, MCAGCC's Biological Opinions (USFWS 8-8-11-F-65 (2012); and USFWS 8-8-11-F-65R (2017), citing USFWS 1-8-99-F-41 (2002), describing measures to conserve MCAGCC's desert tortoises, *Gopherus agassizii*, and their habitat, while minimizing impacts to the MAGTFTC's military training mission.

i. The Endangered Species Act of 1973, as amended (ESA) is a Congressional mandate that identifies the need to protect the fish, wildlife and plants valuable to the United States, provides a means to conserve United States fish, wildlife and plant species endangered or threatened with extinction, and declares "... that all Federal departments and agencies shall seek to conserve endangered species and threatened species...". The ESA applies to the threatened desert tortoise, *Gopherus agassizii*, MCAGCC's only resident threatened species.

j. MCO 5090.2 is the Marine Corps' Environmental Compliance and Protection Manual. It provides Marine Corps policy, identifies statutory and regulatory requirements, and assigns responsibilities for the management of the Marine Corps Environmental Program. An electronic version is available at: <https://www.marines.mil/News/Publications/MCPPEL/Electronic-Library-Display/Article/1552941/mco-50902/>

k. DODI 4715.03 is the Department of Defense Instruction for the "Environmental Conservation Program," which provides specific guidance for the integrated management of natural and cultural resources on property under DoD control. https://search.usa.gov/search?affiliate=dod_esd&query=4715.03.

l. MDAQMD Rule 1116 is the Automotive Refinishing Operations guidelines regarding Volatile Organic Compound Regulatory limits.

m. CCO 1740.5C Provides rules and regulations for raising funds for non-federal entities. <https://www.29palms.marines.mil/Staff-Offices/Adjutant-Office/Orders/>.

n. MAGTFTC, MCAGCC's Sanitary Sewer Management Plan describes the programs and processes used to manage a wastewater collection system effectively and in accordance with the State Water Discharge Order NO. 2006-0003.

o. CCO 3500.4K is MAGTFTC, MCAGCC's Standard Operating Procedures for Range/TAs and Airspace. https://usmc.sharepoint-mil.us/sites/TECOM_MAGTFTC_G3/SitePages/Home.aspx

p. The Emergency Planning and Community Right-to-Know Act (EPCRA) requires reports to be submitted each year on the amounts of chemicals the facility released into the environment or otherwise managed as waste. Section 313 requires facilities to report for each listed chemical the amount released to air, water, land, underground injection and transferred off-site to disposal.

q. CCO 5040.5R is MAGTFTC, MCAGCC's Commanding General's Inspection Program Order that promulgates policy and procedures concerning the Commanding General's Inspection Program.

r. CCBul 5090 is MAGTFTC, MCAGCC's Commanding General's Drought Response Policy which provided policy and guidance regarding water conservation requirements.

APPENDIX B - COMMANDING GENERAL'S ENVIRONMENTAL POLICY LETTER



UNITED STATES MARINE CORPS
MARINE AIR GROUND TASK FORCE TRAINING COMMAND
MARINE CORPS AIR GROUND COMBAT CENTER
BOX 788100
TWENTYNINE PALMS, CALIFORNIA 92278-8100

5090
ISD 12D
AUG 25 2021

POLICY LETTER 6-21

From: Commanding General
To: All Hands

Subj: ENVIRONMENTAL COMPLIANCE AND PROTECTION POLICY

1. Purpose. As a Service Level Training Installation, the Marine Air Ground Task Force Training Command (MAGTFTC), Marine Corps Air Ground Combat Center (MCAGCC) provides premier training opportunities. To ensure we maintain this capability for future generations of Marines, we are responsible for dedicated management of the environmental resources on our installation.

2. Cancellation. MAGTFTC, MCAGCC Policy Letter 6-20.

3. Scope. I am firmly committed to sustaining and enhancing our mission readiness through an effective and efficient environmental policy. MAGTFTC, MCAGCC will continually improve its environmental performance through the systematic Environmental Management System. Accordingly, environmental considerations shall be an integral part of our day-to-day decision making and long-term planning processes. We cannot fail in areas of environmental compliance.

4. Action. All tenant commands, departments, contractors, and dependents shall comply with Marine Corps environmental policies and Combat Center Orders to ensure that we meet our responsibility of good stewardship of the environment. To accomplish this, we will rely on strict adherence to orders and regulations through leadership and training.

a. We will integrate pollution prevention through source reduction, resource recovery, and recycling. We will conserve natural resources and preserve cultural resources with dedicated focus to protect these resources entrusted to our care.

b. We will implement sustainability initiatives to mitigate environmental impacts of our mission practices and reduce operating costs. By being vigilant we will improve our good relationship with our local neighbors and build public trust which will positively affect our future sustainability.

c. We will actively seek opportunities for continual improvement of our environmental performance by establishing goals and measuring our progress toward meeting those goals. If we are to achieve this, our Service members, civilian employees, and families must be able to recognize the environmental impacts of their actions. Environmental protection is a mindset and way of life. This is an all hands endeavor!

A handwritten signature in black ink, appearing to read 'A. E. Renforth'.

A. E. RENFORTH

DISTRIBUTION: A

APPENDIX C - RANGE RESIDUE & SOLID WASTE TURN-IN PROCEDURES

All units conducting live fire training aboard the Combat Center are required to turn in brass, ammunition residue, packing material, and boxes to the Range Sustainment Branch (RSB).

The RSB Processing Center located in the gated area adjacent to Bldg. 2096 on Rifle Range Road and is operational between the hours of 0600 – 1400, Monday through Friday.

Special accommodations can be made with prior notification, at least one week in advance, from units with special needs that are outside the established hours of operation.

Contact RSB at 830-0302 or 830-7244 (answering machine, leave your name, unit, phone number, and a brief message) and RSB personnel will confirm details to finalize coordination.

ALL turn-ins will be conducted by no less than two representatives from the command, an Ammunition Technician, an Aviation Ordnance Technician or a Staff NCO MUST BE PRESENT. This will allow the RSB personnel to return any unfired items to a trained or responsible individual who can safely return the unfired ammunition to the Center Magazine Area or Field Ammunition Supply Point.

A CERTIFICATION OF MATERIAL MUST BE COMPLETED BY AUTHORIZED PERSONNEL ENSURING MATERIAL HAS BEEN 100% VISUALLY INSPECTED AND CONTAINS NO EXPLOSIVE HAZARDS PRIOR TO ENTRY OF THE FACILITY. CONTACT RSB TO REQUEST A CERTIFICATION OF MATERIAL.

ALL MATERIAL MUST BE SEPARATED, SEGREGATED, AND ORGANIZED!

1. **Hazardous Waste:** All hazardous waste to include Treated Wood Waste (TWW), "P" treated wood, MRE heaters and batteries will be taken to the Hazardous Waste Management Branch (Bldg. 2095 Rifle Range Road) prior to arriving at the RSB.
2. **Range Trash:** Range trash must be bagged, segregated and visually inspected prior to disposal; MRE/food waste WILL NOT BE ACCEPTED and should be disposed of at the Camp Wilson Trash Collection Area (Bldg. 5408), which is adjacent to the Camp Wilson Mess Hall.
3. **Staging at RSB:** Upon arrival at Bldg. 2096, stage all vehicles across the road. Unit representatives can then enter the RSB and inform personnel that you have range residue for turn-in, you will be advised how to proceed with the turn-in.

Special Requirements:

- **Expendable Brass Cartridges:** Clear of all debris, clips removed, and sorted by caliber (20mm, .50 caliber or 7.62/5.56/9mm)
- **Links:** Clear of all debris, including brass, not necessary to sort by caliber or size
- **Cartridge Actuated Devices (CADS):** Sorted by metal type (aluminum or steel)
- **Artillery containers (Propellant Charge Cans):** Must have lids removed, lifting plugs separated from other materials, and plastic rotating protector bands must have metal clips removed

- **40mm Cartridge Cases:** Expended steel, aluminum, and plastic will be separated by type
 - **Shotgun Shells:** Separated by material type
 - **Ammunition Cans:** Lids removed and all plastic inserts removed and separated
 - **Flash Tubes:** Must be removed from 120mm Tank bases
 - **Mortar Fuze Safety Pins:** Separated and consolidated into an ammunition can
 - **Plastic Mortar Containers:** Straps cut off, (explosive) stickers and rubber gaskets (bare plastic), wire attached to lid removed
 - **Cardboard Mortar Containers:** Lids removed and separated
 - **Expended Smoke Grenades:** Fuze removed, spoons and safety pins placed in ammunition can
 - **Cardboard Grenade Containers:** Must be separated into two halves
 - **Expended Missile Launch Tubes:** Must be inspected by RSB personnel and cleared for disposal
 - **Wood (non TWW):** Once all material has been inspected, all wood (non TWW) will be placed into roll-on roll-off container for landfill disposal or processing
4. **Ammunition Cans:** Available at the RSB for issue to training commands
- a. 5.56mm (Green)
 - b. 7.62mm (Green)
 - c. .50 Cal. (Green)
 - d. 81mm mortar cans (Green)
5. **Reutilized Ammunition Cans for ammunition turn-in at the CMA** shall be conducted in the following manner:
- a. Ammunition cans will only be reutilized if proper demilitarization and procedures are completed by the unit, as required:
 - i. Ammunition cans spray painted to remove all markings, i.e. DODIC, munitions type and explosive labels
 - ii. Units shall provide spray paint
 - iii. Units shall sign for receipt of ammunition cans

INCORRECT



CORRECT



COMBAT CENTER RECYCLING PROGRAM INFORMATION

1. Recycling Program. The following is a list of items that may be processed for recycling. Due to the time consuming and labor intensive effort required in separation and processing of raw materials, it is imperative that residents streamline this effort. The intent of the Recycling Program is to educate and eliminate the recovery of unnecessary trash. The following list of "Do's and Don'ts" will hopefully answer your questions and resolve many of the problems with contamination.
2. Recycling Do's:
 - a. Corrugated Cardboard, un-waxed (empty and flatten), Plastic (rinse, caps must be removed) – See bottom of the container for the type number.
 - (1) #1 – Color and clear only (container must have a screw neck, no cups, trays, deli dishes, laundry scoops, or other non-screen top containers.)
 - (2) #2 – Milk jugs, water jugs, juice bottles, un-marked plastics- children's toys, canteens, etc.
 - b. Cans – California Redemption Value
 - c. Steel cans – rinse, must be free of food and beverage residue.
 - d. Tin – food cans, etc.
 - e. Paper (carbon must be removed).
 - f. Computer paper.
 - g. White ledger paper.
 - h. Shredded paper (carbon must be removed before shredding).
 - i. Newspapers, magazines, and telephone books.
 - j. Clear/brown/green glass (rinse, must be free of food and beverage).
3. Recycling Don'ts
 - a. Cardboard or paper products coated with wax – milk boxes, frozen food cartons.
 - b. Notepads, self-stick – yellow/colored post its.
 - c. Fluorescent colored paper.
 - d. Plastic #3 and above (see bottom of container for number).
 - e. Plate glass, windshields, ceramic glass.
 - f. Light bulbs, fluorescent light bulbs.
 - g. Styrofoam and rubber products.
 - h. Hazardous, biological, animal or medical waste. (NO diapers)
 - i. Scrap – Aluminum foil, pie tins, food trays, etc.

****Bulk Items will be picked up on your respective trash day. (Furniture, mattresses, TV's, washers/dryers, etc.)**
 Please place Item on the curb next to your trash and recycle containers. Ensure items are not touching any privately owned vehicles..

INSTRUCTIONS FOR PROPER USE OF 40 FOOT ROLL ON/OFF CONTAINERS / 8 CUBE**SOLID WASTE CONTAINERS / 8 CUBE RECYCLEABLES CONTAINERS.****COMBAT CENTER SOLID WASTE & RECYCLING PROGRAM****INFORMATION**

- I. **Solid Waste Program:** The following is a list of items that may be placed in an 8 cube solid waste container aboard the installation. The intent is to divert and reduce recyclable material being taken to the land fill. The following list will hopefully answer your questions and resolve many of the concerns with questionable items.

1. **Solid Waste Do's:**

- a. Non – Hazardous Solid Waste.

2. **Solid Waste Don'ts:**

- a. No Wood of any kind.
- b. No Hazardous Waste / Materials – (oils, chemicals, POL's, ink cartridges etc.)
- c. No Recyclable Material - (cardboard, paper, plastic bottles, aluminum cans, etc.)
- d. No Metal - (tools, bicycles, any type of car parts, gym equipment, satellite dishes etc.)
- e. No Electronic waste / Appliances - (refrigerators, microwaves, washing machines, dryers, copy machines, electronics, etc.)
- f. No Bulk Items / Furniture - (couches, tables, chairs, desks, patio furniture, etc.)
- g. No Medical / Bio – Waste
- h. Range residue / Munitions
- i. No High Liquid Content Waste (i.e., wastes containing greater than 50 percent water by weight)
- j. No Waste Tires (See CH. 2-5)

*Hazardous Waste/Material will be to be taken to the Hazardous Waste Facility @ Bldg. 2095 Rifle Range Road. Any questions or concerns about Hazardous Material please call (760) 830-7244.

**All Industrial Material, such as wood, metal, appliances, and furniture should be taken to the Industrial Recycling Operating Section (IROS) @ Bldg. 2085 off of Rifle Range Road. Any questions or concerns about Industrial Material Recycling, please call (760) 830-5666.

II. **Recycling Program:** The following is a list of items that may be processed for recycling in an 8 cube recycle container. All 8 cube recyclable containers aboard the installation are designated in a white color with a specific recyclable material label. Such as:

1. Cardboard (only)
2. Paper (only)
3. Aluminum cans & plastic bottles (only)
4. Steel cans (only)

***Any questions or concerns about recyclable materials please contact the Residential, Commercial Recycling Section (RCRS) at (760) 830-5666.

III. **40 Foot Roll On/Off Container(s):** Are designated for specific items only. Such as but not limited to:

1. Solid waste – (**Containing NO** -MRE heaters, recyclables, hazardous waste, etc.)
2. Electronics – Only
3. Metals – Only
4. Appliances – (refrigerators, A/C units, dishwashers, washers and dryers, etc.)
5. Wood - Only
6. Office furniture

****Containers will not be serviced if materials are mixed. All items must be properly segregated.

*****If there are any questions or concerns please contact RCRS at (760) 830-5666.

APPENDIX D – CONSTRUCTION AND DEMOLITION PLAN

CONSTRUCTION AND DEMOLITION PLAN (CDP)			
Date		Project Number	
Contract Number		Project Title	
Project Location		Phone Number	
Contractor Name			
<p style="color: red; font-weight: bold; font-size: small;">THE FOLLOWING ESTIMATED TONNAGE MUST BE SUBMITTED TO THE INSTALLATION'S SOLID WASTE MANAGER, NREA DIVISION PRIOR TO THE BEGINNING OF THE PROJECT. NOTE: THE CONSTRUCTION AND DEMOLITION REPORT (CDR) WILL CAPTURE THE ACTUAL TONNAGE, REVENUE, AND COST.</p>			

	TONNAGE		
	ESTIMATED C&D TO BE RECYCLED (Tons)	ESTIMATED C&D TO BE REUSED ONSITE (Tons)	ESTIMATED C&D TO BE DISPOSED (Tons)
C&D DEBRIS			
AGGREGATE C&D (TOTAL) <i>To include ; concrete, asphalt etc...</i>			
WOOD C&D (TOTAL) <i>To include; used lumber, plywood etc...</i>			
METAL C&D (TOTAL) <i>To include; rebar, steel, copper etc...</i>			
OTHER C&D (TOTAL) <i>To include; mixed trash, carpet, cardboard etc...</i>			
INDIVIDUAL TOTALS	0.00	0.00	0.00
TOTAL TONS OF C&D	0.00		

<p>IMPORTANT NOTICE</p> <p style="color: red; font-weight: bold; font-size: small;">At the completion of the project <u>ALL</u> copies of receipts, weight tickets, or other verifying documentation for <u>ALL</u> materials that were recycled, reused, or disposed must be submitted via the Construction and Demolition Report (CDR)</p>

MONTHLY/QUARTERLY CONSTRUCTION AND DEMOLITION REPORT (CDR)							
Date				Project Number			
Contract Number				Project Title			
Project Location				Phone Number			
Contractor Name							
TO ENSURE MCAGCC MEETS DoD WASTE REDUCTION REQUIREMENTS THE FOLLOWING MUST BE COMPLETED AND SUBMITTED TO THE INSTALLATION'S SOLID WASTE MANAGER, NREA DIVISION.							
		TONNAGE			COST		
C&D DEBRIS		C&D RECYCLED (Tons)	C&D REUSED ONSITE (Tons)	C&D DISPOSED (Tons)	RECYCLED REVENUE (\$)	RECYCLED COST (\$)	DISPOSAL COST (\$)
AGGREGATE C&D (TOTAL)							
<i>To include ; concrete, asphalt etc...</i>							
WOOD C&D (TOTAL)							
<i>To include; used lumber, plywood etc...</i>							
METAL C&D (TOTAL)							
<i>To include; rebar, steel, copper etc...</i>							
OTHER C&D (TOTAL)							
<i>To include; mixed trash, carpet, cardboard etc...</i>							
INDIVIDUAL TOTALS		0.00	0.00	0.00	\$0.00	\$0.00	\$0.00
TOTAL TONS OF C&D		0.00					
<p align="center">IMPORTANT NOTICE</p> <p align="center">Enclose <u>ALL</u> copies of receipts, weight tickets, or other verifying documentation for <u>ALL</u> materials that were recycled, reused, or disposed.</p>							

APPENDIX E – BURN NOTIFICATION

MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

Phone: (760) 245-1661 Fax: (760) 245-2699 (800) 635-4617

TRAINING BURN NOTIFICATION

10 day notice and **asbestos renovation/demolition notice** is required for the following:

- A. Structural; commercial and larger than quadruplex dwelling
- B. Structural: residential and up to a quadruplex dwelling
- C. Wildland/wildfire management

24 hour notice is required for the following:

- D. Fire Department training
- E. Fire prevention and extinguisher training

Organization Conducting Training Burn	
Name:	
Address:	
City/Zip:	
Company/facility #: Building 1516	Phone:

Specific Details	
Name of person making notification:	
Name of person conducting training:	
Location of Burn:	
Purpose of burn:	
Fuel:	Quantity:
Number of persons:	Length:

Date:	Time:	Time:	Time:
Other information:			

APPENDIX F – FIELD WASTEWATER GUIDELINES

**MARINE AIR GROUND TASK FORCE TRAINING COMMAND (MAGTFTC)
MARINE CORPS AIR GROUND COMBAT CENTER (MCAGCC)****FIELD WASTEWATER GUIDELINES**

FIELD WASTEWATER. Field Wastewater consists of contaminated water that is discharged from field shower, laundry units, and water discharged from field kitchen messing operations. Contaminated water discharged from laundry and shower units is identified as "Gray Water." Contaminated water discharged from field kitchens and mess facilities is identified as "Black Water."

GRAY WATER. Gray Water is water contaminated with biodegradable laundry detergents discharged from field laundry units and water contaminated with body hygiene soap or shampoos discharged from field laundry and personnel hygiene shower equipment. Gray Water is an authorized wastewater discharge to any area in the field that restricts the movement of the discharged Gray Water to the immediate area of the discharge by a developed ground surface impoundment or percolation pit that detains the wastewater on site for the purpose of evaporation and percolation disposal. A constructed ground surface impoundment or percolation pit is created by utilizing sandbags. If sand bags are used, they are to be emptied and removed upon cessation of operations or final movement from the operation area.

Note 1: See Appendix G pit excavation or earthen berms shall be established in accordance with all procedures/requirements and approved by the MAGTFTC, MCAGCC Environmental Affairs, Water Resources Office.

Note 2: Units/Organizations wishing to utilize field shower, laundry or mess equipment must submit the request (APPENDIX G in EA EP Instruction Manual) for approval prior to operations. The MAGTFTC, MCAGCC EA, Water Resources Office will provide the Unit/Organization with written approval prior to commencement of operations.

Note 3: At no time will individual or crew served weapons be cleaned in personnel shower/decon units that discharged to ground surface impoundments or percolation pits.

Note 4: Gray Water generated by field laundry equipment used to clean petroleum product soiled work clothing or rags soiled with petroleum products must be containerized for appropriate petroleum contaminated wastewater disposal.

BLACK WATER. Black Water is water contaminated with food particles and grease generated by food preparation and cleaning of messing operations in the field. Field messes or kitchens will collect all food wastes as well as grease-trap type grease in appropriate containers for proper disposal. All food waste shall be returned to the issue point for proper disposal. At no time will grease-trap type grease or wastewater contaminated with grease-trap type grease or food chunks be discharged to ground. Black Water is considered contaminated with food chunks if it contains particles of food greater than one-eighth inch in diameter.

VEHICLE/EQUIPMENT WASHING. Vehicle and equipment washing **IS NOT AUTHORIZED** in the field, with the exception of decontamination Nuclear, Biological, Chemical training with unit organic sanitizers. Maintenance washing will take place only at authorized facility wash areas.

INFORMATION. For questions concerning field sanitation/wastewater disposal, contact the MAGTFTC, MCAGCC EA, Water Resources Office, Building 1418, (760) 830-7883, DSN 230-7883.

APPENDIX G - GREY WATER DISCHARGE REQUEST



UNITED STATES MARINE CORPS

MARINE AIR GROUND TASK FORCE TRAINING COMMAND
MARINE CORPS AIR GROUND COMBAT CENTER
BOX 788110
TWENTYNINE PALMS, CALIFORNIA 92278-8110

5090.4
ORG CODE

From: [Unit/Organization]
To: Environmental Affairs (Attn: Water Resources Manager)
Subj: REQUEST FOR USE OF GRAY WATER DISPOSAL
Ref: (a) CCO 5090.1H

Encl: (1) Sketch of Percolation Area in Relation to Terrain and Natural Land Features Including Location of All Shower Stalls, Change Tents and Taped Off Area
(2) Map with the Grid Coordinates Marking the Location of the Percolation Pits with an Arrow

1. Please choose one of the following:

1.		FIELD SHOWER UNIT
2.		FIELD LAUNDRY UNIT
3.		FIELD MESS REQUEST

2. No gray water will overflow the percolation pit. Only hand soap and shampoo will be used for showering. If the shower stalls require cleaning, minimum amounts of household type cleanser will be used.

3. Construction and operation of all percolation pits will be in accordance with Appendix F; Field Wastewater Guidelines. Enclosure (1) and (2) contain detailed descriptions and locations for the proposed action. Additionally, the following information is submitted for your review and approval:

1. Unit name _____
2. Point of contact #1: _____ Phone: _____
3. Point of contact #2: _____ Phone: _____
4. Specific training area name: _____
5. Six digit grid coordinates: _____
6. Start date: _____ 7. Ending date: _____
8. Number of personnel: _____
9. Pit size: (Check one)

Enclosure (1)

- ☐ <50 personnel = one percolation pit - 10' W x 15' L x 3' D
- ☐ 50-100 personnel = one percolation pit - 15' W x 20' L x 3' D
- ☐ 101-200 personnel = two percolation pits - 15' W x 20' L x 3' D
- ☐ 201-350 personnel = two percolation pits - 15' W x 20' L x 3' D
- ☐ >351 personnel = two percolation pits - 25' W x 25' L x 3' D

10. YES ☐ NO ☐ We have read and will comply with the references and all environmental restrictions.
11. YES ☐ NO ☐ All gray water will be discharged directly into the percolation pit.
12. YES ☐ NO ☐ We have read and will comply with the references and environmental restrictions.
13. YES ☐ NO ☐ The percolation pit will be backfilled immediately upon completion of the field exercise.
14. YES ☐ NO ☐ All galley wastewater will be free of all food particles and grease.
15. YES ☐ NO ☐ All items used in food preparation and consumption will be wiped clean to remove food and grease prior washing.
16. YES ☐ NO ☐ Personnel showering will use approximately ten gallons per day.
17. If applicable: total discharge per day for showering personnel (number of personnel x 10 = estimated gallons) will be approximately _____.
18. If applicable: approximately _____ loads per day will be washed.
19. Print name/rank: _____
20. Signature: _____
21. Date (DD/MM/YYYY): _____

[SIGNATURE BLOCK]

APPENDIX H - APPROVED PLANT LIST

Scientific Name**Common Name****TREES**

<i>Acacia aneura</i>	Mulga
<i>Acacia rigidula</i>	Blackbrush Acacia
<i>Acacia schaffneri</i>	Twisted Acacia
<i>Acacia smalii</i> (A. <i>farnesiana</i>)	Sweet Acacia
<i>Celtis pallida</i>	Desert Hackberry
<i>Celtis reticulata</i>	Canyon Hackberry
<i>Cercidium floridum</i>	Blue Palo Verde
<i>Cercidium microphyllum</i>	Foothill Palo Verde
<i>Chilopsis linearis</i>	Desert Willow
<i>Fraxinus greggii</i>	Little Leaf Ash
<i>Fraxinus velutina</i>	Arizona Ash
<i>Leucaena retusa</i>	Golden Leadball
<i>Opuntia biglovii</i>	Teddybear Cactus
<i>Pithecellobium mexicana</i>	Mexican Ebony
<i>Platanus wrightii</i>	Arizona Sycamore
<i>Prosopis glandulosa torreyana</i>	Texas Honey Mesquite
<i>Prosopis juliflora</i>	Arizona Native Mesquite
<i>Prosopis pubescens</i>	Screwbean Mesquite
<i>Quercus buckleyi</i>	Texan Red Oak
<i>Quercus fusiformis</i>	Escarpment Live Oak
<i>Quercus gambelii</i>	Gambel Oak
<i>Quercus muhlenbergii</i>	Chinquapin Oak
<i>Sambucus mexicana</i>	Mexican Elderberry
<i>Sophora secundiflora</i>	Texas Mountain Laurel
<i>Vauquelinia californica</i>	Arizona Rosewood
<i>Vitex agnus castus</i>	Monk's Pepper Tree
<i>Washingtonia filifera</i>	California Fan Palm
<i>Washingtonia robusta</i>	Mexican Fan Palm

SHRUBS

<i>Acacia berlandieri</i>	Guajillo
<i>Acacia constricta</i>	Whitethorn Acacia
<i>Acacia greggii</i>	Cat Claw Acacia
<i>Agave americana</i>	Century Plant
<i>Agave colorata</i>	NCN
<i>Agave murpheyi</i>	NCN
<i>Agave parryi</i>	NCN
<i>Agave scabra</i>	NCN
<i>Ambrosia deltoidea</i>	Triangleleaf Bursage
<i>Ambrosia dumosa</i>	White Bursage
<i>Amsonia palmeri</i>	NCN
<i>Anisacanthus quadrifidus</i>	NCN
<i>Artemesia ludoviciana</i>	Prarie Sagebrush
<i>Artemisia tridentata</i>	Big Sagebrush
<i>Atriplex canescens</i>	Four Wing Saltbush
<i>Atriplex lentiformis</i>	Quailbush
<i>Baccharis sarothroides</i> (male)	Desert Broom
<i>Baileya multiradiata</i>	Desert Marigold
<i>Berlandiera lyrata</i>	Chocolate Flower
<i>Buddleia marrubifolia</i>	Wooly Butterfly Bush
<i>Calliandra eriophylla</i>	Pink Fairy Duster
<i>Chrysactinia mexicana</i>	Damianita
<i>Chrysothamnus nauseosus</i>	Rabbitbrush

Cordia parvifolia
Cowania mexicana
Dalea spp.
Dasyilirion acrotriche
Dasyilirion wheeleri
Ephedra spp.
Ericameria laricifolia
Eriogonum fasciculatum
Eriogonum wrightii
Euphorbia biglandulosa
Fallugia paradoxa
Ferocactus wislizenii
Fouquieria splendens
Hesperaloe spp.
Hymenoxys acaulis
Larrea tridentata
Leucophyllum frutescens
Melampodium leucanthum
Mirabilis multiflora
Muhlenbergia spp.
Nolina spp.
Opuntia santa-rita
Penstemon spp.
Psilostrophe cooperi
Psilostrophe tagentina
Rhus trilobata
Salvia spp.
Simmondsia chinensis
Sphaeralcea ambigua
Teucrium chamaedrys
Yucca baccata
Yucca elata
Yucca schidigera
Zephyranthes spp.
Zinnia acerosa
Zinnia grandiflora

Little-leaf Cordia
 Cliff Rose
 Indigo Bush
 Green Desert Spoon
 Desert Spoon
 Mormon Tea
 Turpentine Bush
 Flattop Buckwheat
 Wright's Buckwheat
 Gopher Plant
 Apache Plume
 Fishhook Barrel Cactus
 Ocotillo
 NCN
 Angelita Daisy
 Creosote Bush
 Texas Ranger
 Blackfoot Daisy
 Colorado Four O'Clock
 Deer Grass
 Beargrass
 NCN
 NCN
 Paper Flower
 Paper Flower
 Three-Leaf Sumac
 Sage
 Jojoba
 Globe Mallow
 Prostrate Germander
 Datil Yucca
 Soaptree Yucca
 Mojave Yucca
 Rain Lily
 Desert Zinnia
 Prarie Zinnia

GROUND COVER

Dyssodia acerosa
Dyssodia pentachaeta
Oenothera stubbii

Shrubby Dogweed
 Golden Dyssodia
 Baja Primrose

TURF (Limited to passive or active recreation areas only)

Marathon II Fescue
 Hybrid Bermuda (parks or ballfield areas only)

APPENDIX I – WILDLIFE RESPONSE MATRIX




Wildlife management at MCAGCC is a joint effort between Environmental Affairs (EA), Conservation Law Enforcement Officers (CLEOs), Provost Marshal's Office (PMO), and Public Works Division (PWD)
DO NOT ATTEMPT TO CATCH, TRAP OR KILL ANY WILDLIFE ON BASE

Animal	Lead Department	Office Phone 760-830-	After-Hours
Bats, Birds, Snakes, Tortoises	PMO will contact EA	6800 (PMO Desk Sergeant)	6800 (PMO Desk Sergeant)
Coyotes	PMO will contact EA	6800 (PMO Desk Sergeant)	6800 (PMO Desk Sergeant)
Domestic Animals, Road-Kill	PMO	6800 (PMO Desk Sergeant)	6800 (PMO Desk Sergeant)
Insects, Pigeons, House mice & rats	PWD	6271	6271



APPENDIX J - AUTHORIZED USE LIST ADJUSTMENT FORM

Print Form		RCS: EXEMPT		NEW MATERIAL REQUEST (COMPLETE SECTIONS: I, II, III)		AUL DOC. #	
AUTHORIZED USE LIST (AUL) ADJUSTMENT				MATERIAL MODIFICATION (COMPLETE ALL SECTIONS)			
NOTICE: A MODIFICATION REFERS ONLY TO A CHANGE IN THE DRAW AMOUNT, UNIT OF MEASURE, OR FREQUENCY OF USE OF A MATERIAL ALREADY APPROVED AND ON A USER'S AUL. THIS FORM MUST BE COMPLETED IN ITS ENTIRETY WITH THE MANUFACTURER'S MSDS ATTACHED.							
SECTION I. REQUESTOR INFORMATION							
1. NAME			2. E-MAIL			3. PHONE	
4. WORK CENTER NAME			5. WORK CENTER ID			6. BUILDING NUMBER	
7. REQUEST DATE		8. ENVIRONMENTAL COMPLIANCE COORDINATOR/SUPERVISOR					
SECTION II. REQUESTED MATERIAL INFORMATION							
9. PRODUCT IDENTITY					10. MSDS PREPARED OR REVISED DATE		
11. MANUFACTURER					12. NSN/LSN		
13. UNIT OF ISSUE		14. PRODUCT STATE		15. FREQUENCY OF USE		16. MAX QUANTITY LIMIT	
SECTION III. JUSTIFICATION							
17. WILL THIS MATERIAL REPLACE AN EXISTING ITEM ON THIS WORK CENTER'S AUL? <input type="checkbox"/> YES <input type="checkbox"/> NO							
18. IF YES, PROVIDE NAME OF MATERIAL BEING REPLACED.							
19. IS THIS REQUIRED FOR A NEW WORKLOAD, TECHNICAL ORDER, SPECIFICATION OR PROCESS IN THIS SHOP? <input type="checkbox"/> YES <input type="checkbox"/> NO							
20. IF YES, PROVIDE SPECIFIC TECHNICAL ORDER OR SPECIFICATION NUMBER AND PARAGRAPHS APPLICABLE TO THE PROCESS. INCLUDE THE DATE AND REVISION NUMBER BEING CITED. IF MORE THAN ONE APPLIES, LIST ALL.							
21. PROCESS/TASK CODE(S) (OPTIONAL)							
22. EXPLAIN IN DETAIL THE PURPOSE OF THIS MATERIAL REQUEST OR MODIFICATION AND HOW THE MATERIAL WILL BE USED.							
23. NUMBER OF PERSONNEL WHO WILL USE/BE EXPOSED TO THE MATERIAL?				24. APPLICATION METHOD (BRUSH, SPRAY, POUR, ETC.)			
25. DURATION (TIME EMPLOYEES WILL BE EXPOSED TO MATERIAL DURING EACH PROCESS)?				26. AMOUNT OF MATERIAL USED IN A SINGLE COMPLETE PROCESS?			
27. ANTICIPATED CONTROL REQUIREMENTS (RESPIRATOR, NITRILE GLOVES, ETC.)							
SECTION IV. MATERIAL MODIFICATION INFORMATION							
28. CURRENT DRAW AMOUNT				29. NEW DRAW AMOUNT			
30. CURRENT UNIT OF MEASURE				31. NEW UNIT OF MEASURE			
32. CURRENT FREQUENCY				33. NEW FREQUENCY			
34. DATE		35. SUPERVISOR NAME			36. SUPERVISOR SIGNATURE		

AUTHORIZED USE LIST (AUL) ADJUSTMENT FORM AUL WORKING GROUP COMMENTS ENVIRONMENTAL DIVISION	
NOTICE: APPROVALS MAY EITHER BE CONCURRENT OR IN SEQUENCE, BUT APPROVAL FROM ALL REVIEW AGENCIES IS REQUIRED PRIOR TO MATERIAL REQUISITION. RESTRICTIONS (INCLUDING REQUIRED PPE AND WASTE DISPOSAL LIMITATIONS) MUST BE DETAILED IN THE SPACE PROVIDED.	
1. HAS THE MATERIAL BEEN EVALUATED FOR POLLUTION PREVENTION OPPORTUNITIES OR GREEN ALTERNATIVES? <input type="checkbox"/> YES <input type="checkbox"/> NO	
2. DOES THE MATERIAL CREATE NEW CAA, CERCLA, EPCRA, OR OTHER REGULATORY REPORTING REQUIREMENTS? <input type="checkbox"/> YES <input type="checkbox"/> NO	
3. IF YES, EXPLAIN MATERIAL USAGE RESTRICTIONS REQUIRED TO COMPLY WITH REGULATIONS.	
4. WHAT ARE THE DISPOSAL REQUIREMENTS (CONSUMED IN USE, RECYCLED, BULK WASTE, CONTAINERIZED ON-SITE, SANITARY SEWER, EVAPORATION, ETC.)?	
5. IS THE REQUEST APPROVED? <input type="checkbox"/> YES <input type="checkbox"/> NO	
6. IF NO, PROVIDE JUSTIFICATION IN THE SPACE PROVIDED.	
7. ADDITIONAL COMMENTS:	
APPROVING OFFICIAL	
8. NAME:	9. DATE
10. SIGNATURE:	
	

AUTHORIZED USE LIST (AUL) ADJUSTMENT FORM AUL WORKING GROUP COMMENTS INDUSTRIAL HYGIENE	
NOTICE: APPROVALS MAY EITHER BE CONCURRENT OR IN SEQUENCE, BUT APPROVAL FROM ALL REVIEW AGENCIES IS REQUIRED PRIOR TO MATERIAL REQUISITION. RESTRICTIONS (INCLUDING REQUIRED PPE AND WASTE DISPOSAL LIMITATIONS) MUST BE DETAILED IN THE SPACE PROVIDED.	
1. DO ANTICIPATED CONTROLS IDENTIFIED BY THE WORK CENTER MEET REQUIREMENTS	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. IF NO, PROVIDE ADDITIONAL REQUIREMENTS.	
3. WILL THE NEW MATERIAL REQUIRE MEDICAL MONITORING (RESPIRATOR, MEDICAL CLEARANCE OR CHEMICAL-SPECIFIC MEDICAL EXAMS?)	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. IF YES, PROVIDE MEDICAL MONITORING REQUIREMENTS IN THE SPACE PROVIDED.	
5. IS THE REQUEST APPROVED?	<input type="checkbox"/> YES <input type="checkbox"/> NO
6. IF NO, PROVIDE JUSTIFICATION IN THE SPACE PROVIDED.	
7. ADDITIONAL COMMENTS:	
APPROVING OFFICIAL	
8. NAME:	9. DATE:
10. SIGNATURE:	

AUTHORIZED USE LIST (AUL) ADJUSTMENT FORM AUL WORKING GROUP COMMENTS SAFETY OFFICE	
NOTICE: APPROVALS MAY EITHER BE CONCURRENT OR IN SEQUENCE, BUT APPROVAL FROM ALL REVIEW AGENCIES IS REQUIRED PRIOR TO MATERIAL REQUISITION. RESTRICTIONS (INCLUDING REQUIRED PPE AND WASTE DISPOSAL LIMITATIONS) MUST BE DETAILED IN THE SPACE PROVIDED.	
1. DOES THIS MATERIAL HAVE STORAGE REQUIREMENTS OR SITE RESTRICTIONS?	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. DOES THE PROCESS REQUIRE A RISK ASSESSMENT AND/OR JOB HAZARD ANALYSIS?	<input type="checkbox"/> YES <input type="checkbox"/> NO
3. ARE THERE ANY SPECIAL TRAINING CONSIDERATIONS FOR USE OR HANDLING?	<input type="checkbox"/> YES <input type="checkbox"/> NO
4. ARE PPE OR OTHER CONTROLS, NOT IDENTIFIED BY THE WORK CENTER REQUIRED?	<input type="checkbox"/> YES <input type="checkbox"/> NO
5. IF YES TO ANY OF THE ABOVE, PROVIDE NEW REQUIREMENTS IN THE SPACE PROVIDED.	
6. IS THE REQUEST APPROVED?	<input type="checkbox"/> YES <input type="checkbox"/> NO
7. IF NO, PROVIDE JUSTIFICATION IN THE SPACE PROVIDED.	
8. ADDITIONAL COMMENTS:	
APPROVING OFFICIAL	
9. NAME:	10. DATE
11. SIGNATURE:	

AUTHORIZED USE LIST (AUL) ADJUSTMENT FORM AUL WORKING GROUP COMMENTS SUPPLY DIVISION	
NOTICE: IF LOCAL (OUT-OF-TOWN) PURCHASE IS THE RECOMMENDED PROCUREMENT METHOD, ENSURE THAT A COMPLETED WAIVER IS SENT TO THE HAZMIN CENTER, AUL WORKING GROUP, OR OTHER. THE WAIVER MUST IDENTIFY THE HAZMAT TO BE PROCURED AND REQUIRE THAT IT BE APPROPRIATELY REGISTERED/MARKED ONCE BROUGHT ABOARD THE INSTALLATION.	
1. IS THIS MATERIAL CURRENTLY AVAILABLE ABOARD THE INSTALLATION AT EITHER THE HAZMIN CENTER, SERVIMART, OR OTHER LOCATION?	<input type="checkbox"/> YES <input type="checkbox"/> NO
2. IF YES, WHERE CAN THIS ITEM BE PURCHASED?	
3. IF NO,	
A. IS THE DRAW AMOUNT SIGNIFICANT ENOUGH TO STOCK THE ITEM ABOARD THE INSTALLATION? <input type="checkbox"/> YES <input type="checkbox"/> NO B. WHAT IS THE RECOMMENDED METHOD OF PROCUREMENT?	
IF LOCAL PURCHASE IS RECOMMENDED, ENSURE THAT A WAIVER TO ALLOW OUT-OF-TOWN PURCHASE IS COMPLETED THAT REQUIRES THE USER TO IDENTIFY ANY PURCHASED MATERIALS TO THE HAZMIN CENTER / AUL WORKING GROUP / OTHER.	
4. ADDITIONAL COMMENTS:	
<div style="border: 1px solid black; height: 200px;"></div>	
APPROVING OFFICIAL	
5. NAME:	6. DATE
7. SIGNATURE:	
<div style="border: 1px solid black; height: 30px; background-color: #f0f0f0;"></div>	

NAVMC 11779 (REV. 05-2014) (EP)
 PREVIOUS EDITIONS WILL NOT BE USED

FOR OFFICIAL USE ONLY

Reset Form

Page 5 of 5

APPENDIX K - NEPA REQUIREMENTS FOR DECISION MEMORANDUMS

Please refer to the project Decision Memorandum (DM), Enclosure 3, to determine what standard requirements listed below apply to your project.

Project-specific requirements would be stated in the DM. Advance coordination with the points of contact listed below may be needed to address pre-implementation submittals and requirements. Because changes in law and policy may occur after approval of the DM, this Appendix is updated annually to ensure that requirements are current at the time of project implementation. For a copy of a project DM, contact the NEPA Manager: (760) 830-8190.

1. ABOVE GROUND STORAGE TANKS. Environmental Affairs Point of Contact: Joe Cleek, Tank Manager: (760) 830-8361 or joe.cleek@usmc.mil

a. The Action Sponsor and contractor shall provide appropriate containment and/or diversionary structures or equipment to prevent a discharge and potential environmental impacts. 40 Code of Federal Regulations pertains. For more information, contact Joe Cleek.

b. Based on the longevity of the proposed actions, Environmental Affairs recommends that funding be programmed to provide a permanent concrete secondary containment which will meet or exceed all Federal and state regulatory requirements. For more information, contact Joe Cleek.

c. The Action Sponsor and contractor shall immediately notify the Combat Center's Fire Department for all spills greater than fifty-five (55) gallons. Spills less than 55 gallons shall be reported to the Environmental Affairs' Abatement Chief at: (760) 401-9841.

d. The Action Sponsor and contractor shall ensure that drip pans are used at the refueling entry point if refueling operations occur. For more information, contact Joe Cleek.

e. The Action Sponsor and contractor shall ensure that secondary containment is placed under the auxiliary fuel tanks if auxiliary fuel tanks are used, i.e., generator operations. For more information, contact Joe Cleek.

f. Action Sponsor shall notify Environmental Affairs' Storage Tank Manager prior to installation and/or operations of any storage tank system to ensure compliance with the Combat Center's Storage Tank Management Plan. For more information, contact Joe Cleek.

g. Action Sponsor and contractor shall ensure storage tanks are labeled and certified empty prior to closure or removal in accordance with all applicable regulations. Action Sponsor shall notify Environmental Affairs' Storage Tank Manager upon closure or removal. For more information, contact Joe Cleek.

h. The Action Sponsor and contractor shall ensure compliance with California Code of Regulations Title 23; Chapter 16 Section 2636; Design, Construction, Installation, Testing, and Monitoring Requirements for Piping and Section 2666; Requirements for Underground Piping. For more information, contact Joe Cleek.

i. The Action Sponsor and contractor shall coordinate with the Combat Center Fire Department and Public Works Division to ensure compliance with National Fire Protection Association, California Fire Codes and American Society of Civil Engineers regulations/codes prior to installation. For more information, contact Joe Cleek.

j. The Action Sponsor and contractor shall ensure compliance with Code of Federal Regulations Title 40; Part 112.9 (4) & (5). On a weekly basis, inspect all aboveground valves, piping, and appurtenances to warn all vehicles entering the facility to be sure that no vehicle will endanger aboveground piping. For more information, contact Joe Cleek.

k. The Action Sponsor and contractor shall ensure aboveground storage tank system(s) are properly labeled, and installed in accordance with National Fire Protection Association, California Fire Codes and manufacturers guidelines. For more information, contact Joe Cleek.

l. Per California Code of Regulations Section 66265.192, owners or operators of new tank systems or components shall ensure that the foundation, structural support, seams, connections, and pressure controls (if applicable) are adequately designed and that the tank system has sufficient structural strength, compatibility with the waste(s) to be transferred, stored, or treated, and corrosion protection so that it will not collapse, rupture, or fail. For more information, contact Joe Cleek.

m. The owner or operator shall obtain a written assessment reviewed and certified by an independent, qualified, professional engineer, registered in California attesting that the system has sufficient structural integrity, is acceptable for the transferring, storing, and treating of hazardous waste, and that the tanks and containment system are suitably designed to achieve the requirements of this article. This assessment shall be obtained prior to placing the tank system in service and shall be kept on file at the facility. The assessment shall be valid for a maximum period of five (5) years or the remaining service life of the tank system, as stated in the engineer's assessment, whichever is less. For more information, contact Joe Cleek.

n. Per California Code of Regulations Section 66265.193 to prevent the release of hazardous waste or hazardous constituents to the environment, secondary containment that meets the requirements of this section shall be provided. For more information, contact Joe Cleek.

o. Per California Code of Regulations Section 66265.194, the general operating requirements state that owner or operator shall use appropriate controls and practices to prevent spills and overflows from tank or secondary containment systems. For more information, contact Joe Cleek.

p. Per California Code of Regulations Section 66265.195 the owner or operator shall inspect the AST system at least once each operating day. For more information, contact Joe Cleek.

q. Per California Code of Regulations Section 66265.196 a tank system or secondary containment system from which there has been a leak or spill, or which is unfit for use, shall be removed from service immediately, and the owner or operator shall satisfy the following requirements. For more information, contact Joe Cleek.

r. Per California Code of Regulations Section 66265.197 at closure of a tank system, the owner or operator shall remove or decontaminate all waste

residues, contaminated containment system components (liners, etc.), contaminated soils, and structures and equipment contaminated with waste, and manage them as hazardous waste, unless section 66261.3(d) of this division applies. For more information, contact Joe Cleek.

2. AIR RESOURCES. Environmental Affairs Point of Contact = Lillian Dugan (Malloy, Air Manager: (760) 830-8480 or lillian.dugan@usmc.mil

a. Fugitive Dust. The Action Sponsor and contractor shall ensure that fugitive dust from any transport, handling, construction, or storage activity does not remain visible in the atmosphere beyond the project or worksite footprint. The Action Sponsor shall take every reasonable precaution to minimize fugitive dust emissions from wrecking, excavation, grading, clearing of land, and solid waste disposal operations. Mojave Desert Air Quality Management District Rule 403 applies.

b. Painting, Coating, and Paint Removal. The Action Sponsor and contractor shall ensure all paints, coatings, adhesives, and solvents use/applications follow the Mojave Desert Air Quality Management District's Usage of Solvent Rule 442, Architectural Coating Rule 1113, Wood Painting and Coating Rule 1114, Metal Parts and Products Coating Operations Rule 1115, and the Automotive Coating Rule 1116 to limit the quantity of volatile organic compounds. A daily log shall be maintained of the volatile organic compounds used and/or emitted. The log shall contain at least the following: application method used, type of material used, manufacturer of material, mix ratio of components (if applicable), quantity of each coating and/or solvent used, and its volatile organic compounds content (in pounds per gallon or grams per liter). This includes documenting the amount of solvent used during cleanup, surface preparation, or paint removal. Records shall be submitted to the Environmental Affairs Air Resources Office.

c. Internal Combustion Engines

(1) The Action Sponsor shall ensure non-tactical engines with a manufacturer's maximum continuous rating of 50 brake horsepower or greater are required to be permitted by the Mojave Desert Air Quality Management District or registered in the California Air Resources Board Portable Equipment Registration Program. No equipment shall be placed into operation until Mojave Desert Air Quality Management District permits or California Air Resources Board Portable Equipment Registration Program registration stickers are obtained.

(a) If the equipment will eventually be handed over to the government, all Mojave Desert Air Quality Management District permit applications shall be processed and/or approved through the Environmental Affairs' Air Resources Manager.

(b) If the equipment is contractor owned or leased, all permits and/or Portable Equipment Registration Program registration stickers must be displayed on equipment and ensure compliance with all permit conditions.

(2) Action Sponsor shall ensure portable tactical equipment with a maximum continuous rating of 50 break horsepower or greater are registered on the Combat Center's Tactical Support Equipment Inventory. The inventory shall be updated and resubmitted to Environmental Affairs' Air Resources Manager prior to generators being placed into service aboard the Combat Center.

(3) The Action Sponsor and contractor shall adhere to the operating requirements and emission standards for new engines, as per Section 2423 of Title 13 of the California Code of Regulations. If the generator is a non-tactical stationary or a portable stand-by or prime engine, the following requirements apply: Tier 4, unless otherwise approved by the Mojave Desert Air Quality Management District, California Air Resources Board or Environmental Affairs' Air Resources Manager.

d. Rental Equipment. The Action Sponsor shall ensure that the Mojave Desert Air Quality Management District is notified if any rental equipment unit that is registered with the Portable Equipment Registration Program is used in this district for more than five (5) days. California Air Resources Board Portable Equipment Registration Program Section 2459 of Article 5 (Title 13) of the California Code of Regulations applies. The Action Sponsor and/or the owner/operator shall ensure that the district is notified via electronic mail, in writing, facsimile, or by telephone, within two (2) working days of commencing operations.

e. Refrigerants. The Action Sponsor and contractor shall adhere to Title 40 of the Code of Federal Regulations, Part 82 and Title 17 of the California Code of Regulations, Sections 95371 through 95398.

(1) Approved Refrigerants. The Action Sponsor and contractor shall ensure the refrigerant being used in an air conditioning unit is an approved Class II substance or refrigerant substitute, not a prohibited substance (e.g. chlorofluorocarbon).

(2) Technician Certification. The Action Sponsor and contractor shall ensure that all personnel performing any installation, maintenance, service, repair, or dispose of appliances containing refrigerants must hold a current, valid, and applicable certificate issued in accordance with Title 40 of the Code of Federal Regulations, Part 82.

(3) Accidental Releases. The Action Sponsor and contractor shall take all necessary precautions (e.g., proper training, training certifications, and equipment) to ensure that no refrigerants are released to the atmosphere. In the event that refrigerants are released, the contractor shall immediately notify Environmental Affairs' Air Resources Manager of all refrigerant releases and estimated amount of release.

(4) Equipment Registration. The Action Sponsor shall ensure that the contractor provides the following information to Environmental Affairs' Air Resources Manager to register the equipment on the Refrigerant Management Inventory prior to being placed into service: equipment specifications (type, manufacture, model, model year, and serial numbers), installation date, refrigerant type, refrigerant charge (lbs) per circuit, leak detection device (if applicable), location description (to include building number and floor plan of refrigerant placement), and system function.

f. Asphalt Tankers. The Action Sponsor and contractor shall ensure if an asphalt tanker with a capacity of greater than 148 gallons is used, it must have a Permit To Operate or registered with the state of California. Mojave Desert Air Quality Management District Rule 219(E) (15) (K) applies.

g. Fuel Storage and Dispensing Tanks. The Action Sponsor and contractor shall ensure fuel storage and dispensing tanks of 250 gallons or greater are permitted with the Mojave Desert Air Quality Management District. If tanks will eventually be handed over to the government, all Mojave Desert Air Quality

Management District permit applications shall be processed and/or approved through the Environmental Affairs' Air Resources Manager. If contractor owns or leases the tanks, all permits must be displayed on equipment and ensure compliance with all permit conditions. No equipment shall be placed into operation until Mojave Desert Air Quality Management District permits are obtained.

h. Expeditionary Field Kitchens. The Action Sponsor shall ensure that the following requirements are adhered to when using the Expeditionary Field Kitchens at Mainside, Camp Wilson, or the Strategic Expeditionary Landing Field/Facility:

(1) Tactical generators are not used for Expeditionary Field Kitchens operations in Mainside.

(2) Generator support for Expeditionary Field Kitchens operations on Mainside shall be obtained through Public Works Division or a rental agency.

(3) All commercial generators used for Expeditionary Field Kitchens operations in the Mainside area must be permitted by the Mojave Desert Air Quality Management District or registered with the California Air Resources Board Portable Equipment Registration Program.

(4) If Public Work Division owned or leased generators are used, all permits and/or Portable Equipment Registration Program registration stickers must display on equipment and ensure compliance with all permit conditions.

(5) The Action Sponsor shall ensure that the Mojave Desert Air Quality Management District is notified if any rental equipment unit that is registered with the Portable Equipment Registration Program is used in this district for more than five (5) days. California Air Resources Board Portable Equipment Registration Program Section 2459 of Article 5 (Title 13) of the California Code of Regulations applies. The Action Sponsor and/or the owner/operator shall ensure that the district is notified via electronic mail, in writing, facsimile, or by telephone, within two working days of commencing operations.

3. ASBESTOS AND LEAD. Environmental Affairs Point of Contact = Pierre Battice, Engineering Technician: (760) 830-7774 or pierre.battice1@usmc.mil

a. The Action Sponsor and contractor shall ensure compliance with the requirements listed below, for all activities expected to disturb asbestos and/or lead. For more information, contact Pierre Battice.

(1) All activities expected to disturb known asbestos and/or lead are in compliance with Combat Center Order 5100.2E, federal, state, and local regulations.

(2) A documented competent person with Accredited Asbestos Project Designer or equivalent certification is designated and on-sight during the construction to ensure regulatory compliance with 40 Code of Federal Regulations 763, 61, and 29 Code of Federal Regulations 1910, 1926.

(3) The contractor shall submit an asbestos abatement plan for Environmental Affairs Division's review and acceptance/rejection prior to starting work.

b. The proposed action may encounter asbestos and/or lead. Asbestos and lead are presumed present unless recent surveys, less than a year old, show that the building material to be disturbed is non-detect or below California thresholds for asbestos and/or lead. For more information, contact Pierre

Battice.

(1) The Action Sponsor and contractor shall assume asbestos and/or lead is present and perform the work using Occupational Safety Health Administration Class I, II, or III techniques by trained and certified personnel; or

(2) The Action Sponsor shall ensure that the contractor conducts an asbestos building survey as per 40 Code of Federal Regulations 763 using a certified National Voluntary Laboratory Accreditation Program laboratory prior to starting work. All surveys shall be reviewed by the Combat Center's Lead and Asbestos Management Board prior to any construction activities.

(a) If the survey shows the material is non-detect or below California thresholds, no further action is needed.

(b) If survey shows asbestos or lead containing materials is present above California thresholds, the action must be conducted using Occupational Safety Health Administration Class I, II, or III techniques by trained and certified personnel.

(3) If presumed present or survey shows concentrations above California thresholds, the Action Sponsor and contractor shall ensure a documented competent person with Accredited Asbestos Project Designer, or equivalent certification, is designated and on-site during the construction to ensure regulatory compliance with 40 Code of Federal Regulations 763, 61, and 29 Code of Federal Regulations 1910, 1926.

(4) If presumed present or survey shows concentrations above California thresholds, the Action Sponsor or contractor shall submit an asbestos abatement plan for review and acceptance to Environmental Affairs Asbestos Program Manager, Pierre Battice, prior to starting work.

c. The Action Sponsor and contractor shall ensure asbestos containing materials or lead containing materials are turned in to Environmental Affairs Division for inspection and signature on Waste Shipment Records prior to leaving the base. Environmental Affairs is the only authorized agency aboard the Combat Center to review and sign all waste shipment records for asbestos containing materials and lead containing materials. Environmental Affairs' point of contact for Waste Shipment Records and inspections is Mr. Jimmie Risper, at (760) 830-5403.

d. The Action Sponsor and contractor shall ensure compliance with Mojave Desert Air Quality Management District Rule 302 for renovation and demolition projects to include proper notification as explained below.

(1) Renovation projects subject to Mojave Desert Air Quality Management District notification and fees involve the removal or stripping of more than 260 linear feet of asbestos pipe but less than 1600 linear feet of asbestos pipe; or more than 160 square feet of material but less than 1000 square feet of asbestos material. Action sponsor shall ensure submission of the "Notification of Demolition/Renovation" form and payment of fee. If a Demolition/Renovation form is not required, then the applicant and permitting agency should both retain a copy of the form to verify compliance with Health & Safety Code sec 19827.5. Include Environmental Affairs Air Manager, Lilly Dugan, in all written notification at lillian.dugan@usmc.mil

(2) All demolition projects subject to the notification submittal requirements of 40 Code of Federal Regulations 61, Subpart M, must submit

Enclosure (1)

written notification to the Mojave Desert Air Quality Management District, Environmental Affairs, and pay fees, including demolitions where no asbestos is present and/or demolitions by fire. Include Environmental Affairs Air Manager, Lilly Dugan, in all written notification at lillian.dugan@usmc.mil

e. The proposed action may encounter asbestos and/or lead. As explained below, asbestos and lead are presumed present unless recent surveys, less than a year old, show that the vehicle material to be disturbed is non-detect or below California thresholds for asbestos and/or lead. For more information, contact Pierre Battice.

(1) The Action Sponsor and contractor shall assume asbestos and/or lead is present and perform the work using Occupational Safety Health Administration Class I, II or III techniques by trained and certified personnel; or

(2) The Action Sponsor and contractor shall conduct an asbestos material survey as per 40 Code of Federal Regulations 763 using a National Voluntary Laboratory Accreditation Program certified Laboratory prior to starting work. All surveys shall be reviewed by Asbestos Program Managers prior to the start of any activities.

(a) If the survey shows the material is non-detect or below California thresholds, no further action is needed.

(b) If survey shows asbestos or lead containing materials present above California thresholds, the action must be conducted using Occupational Safety Health Administration Class I, II, or III techniques by trained and certified personnel.

(3) If presumed present or survey shows concentrations above California thresholds, the Action Sponsor or contractor shall ensure a documented competent person with Accredited Asbestos Project Designer or equivalent certification is designated and on-sight during the construction to ensure regulatory compliance with 40 Code of Federal Regulations 763, 61, and 29 Code of Federal Regulations 1910, 1926.

(4) If presumed present or survey shows concentrations above California thresholds, the Action Sponsor or contractor must submit an asbestos abatement plan for review and acceptance to the Environmental Affairs Asbestos Program Manager, Pierre Battice, prior to starting work.

4. AUTHORIZED USERS LIST/HAZARDOUS MATERIALS. Environmental Affairs Point of Contact = Chris White, Environmental Planner: (760) 830-3746 or christopher.t.whitel@usmc.mil

a. The Action Sponsor shall ensure that contractors operating aboard the Combat Center for more than 30 days are required to submit an Authorized Use List containing a listing of all required hazardous materials for operations. The Authorized Use List will be submitted to the Authorized Use List Manager for review and approval prior to utilizing the hazardous materials aboard the installation. For more information, contact Chris White.

b. The Action Sponsor shall ensure that all hazardous materials are included in the work center's Authorized Use List and approved by the Authorized Use List Working Group prior to utilizing the materials aboard the installation. To add hazardous materials, the Action Sponsor will request an adjustment to its current Authorized Use List by submitting an Authorized Use

List Adjustment Form (NAVMC 11779) to the Authorized Use List Manager for review and approval. For more information, contact Chris White.

c. The Action Sponsor shall procure only enough hazardous materials as required for the completion of the project. The purchase and use of the hazardous material is of a one-time nature and may not be included on the Action Sponsor's Authorized Use List or stored for future use. All excess hazardous material will be turned into the Hazardous Material Reutilization Lot located at building numbered 2095 on Rifle Range Road, or disposed of as per contract stipulations. For more information, contact Chris White.

d. The Action Sponsor shall ensure that the fielding plan directs end-users to ensure that toxic/hazardous materials (e.g., Li-ion batteries, etc.) are stored and handled in accordance with federal, state, county, Department of Defense, Department of the Navy, Marine Corps, and Marine Corps Air Ground Combat Center's environmental and natural resources requirements. Combat Center Order 5090.5D pertains.

e. The Action Sponsor shall ensure that the fielding plan directs end-users to include all hazardous materials in the unit's Authorized Use List. The end-user will request an adjustment to its current Authorized Use List by submitting an Authorized Use List Adjustment Form (NAVMC 11779) to the Authorized Use List Manager for review and approval.

5. CONSTRUCTION. Environmental Affairs Point of Contact = Joe Cleek, RCRA D/I Manager: (760) 830-8361 or joe.cleek@usmc.mil

a. The Action Sponsor shall ensure that the Design and Contract Specification facilitate those requirements as set forth in Sections 01572 and 01575N of Southwestern Division's Architect Engineer Guide. The Action Sponsor shall ensure submit all reports/submittals to Environmental Affairs for concurrence. For more information, contact Mike Ellitt at (760) 830-7695.

b. The Action Sponsor shall ensure the updated "As Builds" are completed and submitted to Public Works Division for any modifications to utilities, i.e., water/sewer lines. For more information, contact Joe Cleek.

c. Action Sponsor shall ensure that a dig permit is obtained from Public Works Division prior to trenching operations. For more information, contact Joe Cleek.

d. The Action Sponsor and contractor shall ensure all construction and/or demolition debris generated from the proposed action is properly segregated to be recycled, beneficially reused on-site, and/or be disposed of in an offsite permitted commercial landfill. If construction and/or demolition debris is to be recycled, contact Marine Corps Air Ground Combat Center's Industrial Recycling Operations Section. Environmental Affairs' point of contact is Stanley Bess, at (760)830-5666/5664, stanley.bess@usmc.mil or Joe Cleek, at (760) 830-8361, joe.cleek@usmc.mil.

e. To meet Department of Defense Measures of Merit for solid waste recycling, the Action Sponsor and contractor shall divert the following percentage of waste material from landfill facilities:

(1) Fifty (50) percent or more non-hazardous solid waste, food, and compostable material; and

(2) Sixty (60) percent or more non-hazardous construction and demolition materials, and debris.

For more information, contact Joe Cleek.

f. The Action Sponsor shall ensure the updated "As Builds" are completed and submitted to Public Works Division for any modifications or construction in the interior and exterior of the facility to include utilities, i.e., water, recycled water, sewer lines. These changes shall be incorporated into the geographic information system as applicable. For more information, contact Joe Cleek.

6. CULTURAL RESOURCES. Environmental Affairs Points of Contact = Dean Duryea, Archaeologist: (760) 830-5369 or dean.duryea@usmc.mil; or Brian Henen, Conservation Branch Head: (760) 830-5720 or brian.henen@usmc.mil

a. Inadvertent Discovery. If archaeological materials, historic materials (e.g., old cans or other debris), or any bone fragments are discovered during implementation of the proposed action, personnel shall halt all work within 50 meters of the discovery until personnel receive guidance from Environmental Affairs cultural resources management program staff directly. For more information, contact Environmental Affairs staff listed above.

7. DEMOLITION. Environmental Affairs Point of Contact = Joe Cleek, RCRA D/I Manager: (760) 830-8361 or joe.cleek@usmc.mil

a. The Action Sponsor shall submit a Construction and Demolition Plan to the Environmental Affairs' Solid Waste Manager prior to start of work. The Construction and Demolition Plan must be completed to capture the estimated tonnage of potential construction and/or demolition debris that could be generated from the proposed action. The Construction and Demolition Plan template for this requirement is available at Environmental Affairs. For more information, contact Joe Cleek.

b. The Action Sponsor shall submit a Construction and Demolition Report on the 15th of each quarter (January, April, July, October) to the Solid Waste Manager, Environmental Affairs. The Construction and Demolition Report must be completed to capture the contractor's actual tonnage, cost, and revenue of construction and/or demolition debris that were recycled and/or disposed. The template for this requirement is available at Environmental Affairs. For more information, contact Joe Cleek.

c. The Action Sponsor shall ensure that unprocessed construction and demolition debris is not stored onsite for more than 30 days without a permit. For more information, contact Joe Cleek.

d. The Action Sponsor shall ensure that processed construction and demolition debris is not stored on site for more than one year without a permit. For more information, contact Joe Cleek.

e. Prior to demolition, the Action Sponsor shall coordinate with Public Works Division the staging and processing of the demolition debris. In the event Public Works Division is unable to support, the demolition debris must be transported off-site for beneficial re-use and/or be disposed at a permitted facility. For more information, contact Joe Cleek.

f. The Action Sponsor shall ensure all demolition debris/material is screened by Explosive Ordnance Disposal Section's unexploded ordnance

technician. This certifies that the demolition debris/material has been 100 percent properly inspected or processed by approved means and does not pose an explosive hazard and is safe for recycling or disposal. For more information, contact Joe Cleek.

8. ENVIRONMENTAL AWARENESS. Environmental Affairs Points of Contact = Liz Barron, Biologist: (760) 830-7896 or elizabeth.barron.ctr@usmc.mil; Dean Duryea, Archaeologist: (760) 830-5369 or dean.duryea@usmc.mil; or Brian Henen, Conservation Branch Head: (760) 830-5720 or brian.henen@usmc.mil

a. Environmental Briefing. Prior to entering any training area, all personnel shall receive a mandatory briefing from Environmental Affairs that covers natural and cultural resources. This training is valid for one year. Contact any point of contact above to schedule.

b. Restricted Areas / Training Area Maps. Work in Restricted Areas is not authorized. Vehicles traveling through Restricted Areas must remain on the main supply routes (MSR). The Action Sponsor shall ensure that all personnel entering the training areas to implement the proposed action shall possess, at all times, a current copy of the training area map depicting Restricted Areas. For copy of current map, contact any point of contact above or obtain a map during the Range Safety briefing. For more information, see Combat Center Order 3500.4: <https://www.29palms.marines.mil/Staff-Offices/Resource-Management-Directorate/Adjutant-Office/Orders/> and Appendix L herein.

9. HAZARDOUS MATERIALS AND HAZARDOUS WASTE. Environmental Affairs Point of Contact = Pat Mills, Hazardous Waste Branch Head: (760) 830-5403, (760) 830-7244, (760) 481-4710, or patrick.o.mills@usmc.mil

a. The Action Sponsor and contractor shall ensure that petroleum, oils, and lubricants and/or toxic/hazardous materials are stored and handled in accordance with federal, state, county, Department of Defense, Department of the Navy, Marine Corps, and Marine Corps Air Ground Combat Center's environmental and natural resources requirements. Combat Center Order 5090.5A pertains. For more information, contact is Mike Ellitt (760) 830-7695.

b. The Action Sponsor shall ensure that the contractor provides temporary storage and uses a licensed hauler to have hazardous waste manifested off-base. The Action Sponsor shall also ensure that the contractor coordinates the manifesting of hazardous waste with Environmental Affairs' Hazardous Waste Management Branch. For more information, contact Pat Mills.

c. The Action Sponsor shall coordinate the temporary storage and generation of any used hazardous material or hazardous waste with Environmental Affairs' Hazardous Waste Management Branch. For more information, contact Pat Mills.

d. Action Sponsor shall ensure a service contract is in place to maintain, service, repair, and remove any hazardous materials/hazardous waste. For more information, contact Pat Mills.

e. Action Sponsor shall provide the quarterly documentation results for fuel farm/fuel issue points to Environmental Affairs' Pollution Prevention Manager. For more information, contact is Mike Ellitt, Pollution Prevention Branch Head: (760) 830-7695.

f. The Action Sponsor shall ensure that the contractor makes arrangements with Environmental Affairs' Hazardous Waste Management Branch for the approval and manifesting of old fire alarms equipment. For more information, contact

Enclosure (1)

Pat Mills.

g. The Action Sponsor and contractor shall ensure that any range target material, to include vehicles and tank hulks, are free of all petroleum, oils, and lubricants and toxic/hazardous materials prior to being placed in range training areas. Failure to comply will result in resources expended to go to range training areas to clean up the oil spill. Clean-up and disposal costs will be the responsibility of the Action Sponsor. For more information, contact the Abatement Chief at: (760) 401-9841.

(1) Vehicles/tank hulks must be drained of all petroleum, oils, and lubricants and toxic/hazardous materials.

(2) Any batteries must be removed.

(3) All glass must be removed or painted black.

(4) Vehicles/Tank Hulks must be inspected by the Abatement chief: (760) 401-9841, or (760) 830-5834.

h. The Action Sponsor and contractor shall ensure that all empty paint containers and paint related materials (i.e., brushes, rollers, pans, cleaners, etc.) are turned into Environmental Affairs' Hazardous Waste Management Branch. For more information, contact Pat Mills.

i. The Action Sponsor shall ensure that the contractor uses a licensed hauler and temporary storage and disposal facility to have these items manifested off-base through Environmental Affairs. For more information, contact Pat Mills.

j. See Provision c above.

k. The Action Sponsor shall ensure that the removal action work plan is, reviewed or concurred with by the Hazardous Waste Management Branch, before contaminated soils are temporarily stored at the installation's Contaminated Soil Storage Area (CSSA). For more information, contact Pat Mills.

l. The Action Sponsor and contractor shall ensure compliance with all applicable Combat Center's Environmental Standard Operating Procedures. Combat Center's Environmental Standard Operating Procedures are available at <https://www.29palms.marines.mil/Staff-Offices/Installation-Support-Directorate/Environmental-Affairs/Environmental-SOP/>

m. The Action Sponsor shall provide all analytical results to Natural Resources and Environmental Affairs Division prior to disposal. Environmental Affairs will submit analytical results to the California Regional Water Quality Control Board and the Department of Toxic Substances Control. For more information, contact Joe Cleek: (760) 830-8361.

n. The Action Sponsor shall ensure that non-hazardous trash/debris is sifted and segregated from contaminated soils prior to being stored at the installation CSSA. For more information, contact Pat Mills.

o. The Action Sponsor shall ensure that the contractor coordinates any disposal of non-hazardous materials in the base landfill with Public Works Division and Environmental Affairs. For more information, contact Joe Cleek: (760) 830-8361.

p. The Action Sponsor shall ensure that all trucks containing non-hazardous materials are weighed prior to disposal into the base landfill. The Action Sponsor shall ensure the weight tickets are submitted to Natural Environmental Affairs upon completion of the proposed action. For more information, contact Joe Cleek: (760) 830-8361.

q. Action Sponsor shall ensure that no temporary roads are created from the proposed action. The Action Sponsor shall ensure that contractor utilizes existing roadways paved or unpaved. If service roads are necessary, additional National Environmental Policy Act documentation will be required. For more information, contact Linda Serret: (760) 830-8190.

r. The Action Sponsor shall provide to Environmental Affairs' Pollution Prevention Section, a profile analysis of the sterile bio-mass and condensate to determine if the material is hazardous. For more information, contact is Mike Ellitt (760) 830-7695.

s. The Action Sponsor shall provide to Environmental Affairs' Pollution Prevention Section, a final disposition destination of the sterile bio mass, i.e. (landfill, compost). For more information, contact is Mike Ellitt (760) 830-7695.

t. The Action Sponsor shall coordinate with Natural Resources and Environmental Affairs Division's Hazardous Waste Management Branch for the temporary storage and/or generation of any used telephone poles for proper disposal and/or beneficial reuse. For more information, contact Pat Mills.

u. Per Senate Bill 14 (Hazardous Waste Source Reduction) and the Combat Center's Source Reduction Plan, the Action Sponsor shall not purchase any new railroad ties for use aboard the installation; however, the reuse of existing inventories is authorized. Railroad ties that are not reused shall be turned into Natural Resources and Environmental Affairs Division's Hazardous Waste Management Section for proper disposal. For more information, contact Pat Mills.

10. INSTALLATION RESTORATION SITES & MUNITIONS. Environmental Affairs Point of Contact = SaraJean Bartos, Munitions, EPCRA and CERCLA Manager: (760) 830-7722 or sarajeane.bartos@usmc.mil

a. Construction Activities. The proposed project site may be on an inactive or active military range. The Action Sponsor shall ensure that construction, repair, and/or maintenance personnel receive initial unexploded ordnance and dud briefing by the installation's Explosive Ordnance Disposal Section prior to construction activities. If any munitions and explosives of concern are discovered during construction, repair, and/or maintenance activity, the Action Sponsor shall ensure operations are ceased and Explosive Ordnance Disposal Section is notified. The Explosive Ordnance Disposal Section's point of contact number is (760) 830-6885. Alternatively, contact the Provost Marshall's Office (760) 830-6800 (available 24 hours a day). If at Mainside, always contact the Provost Marshall's Office.

b. Actions in Ranges or Training Areas. The proposed project site may be on an inactive and/or active military range. The Action Sponsor shall ensure that construction, repair, and/or maintenance personnel receive initial unexploded ordnance and dud briefing by the installation's Explosive Ordnance Disposal Section prior to initiating any actions at the ranges. If any munitions and explosives of concern are discovered during construction, repair, and/or maintenance activity, the Action Sponsor shall ensure operations are

ceased and Explosive Ordnance Disposal Section is notified. The Explosive Ordnance Disposal Section's point of contact number is (760) 830-6885. Alternatively, contact the Provost Marshall's Office (760) 830-6800 (available 24 hours a day). If at Mainside, always contact the Provost Marshall's Office.

11. NATURAL RESOURCES. Environmental Affairs Points of Contact = Liz Barron, Biologist: (760) 830-7896 or elizabeth.barron.ctr@usmc.mil; or Brian Henen, Conservation Branch Head: (760) 830-5720 or brian.henen@usmc.mil

a. Authorized Biologist. The Action Sponsor shall be responsible for the cost and employment of an Authorized Biologist, approved by Environmental Affairs, so the Combat Center complies with the Endangered Species Act. A list of Authorized Biologists can be provided upon request. The Authorized Biologist must complete a clearance survey no earlier than 48 hours before work starts and be present during all work, at all times. An authorized biologist can oversee installation of tortoise exclusion fence around the project footprint, completing a clearance survey within the fenced area, and perform periodic checks of the fence (e.g., weekly or monthly) until the project is completed. For guidance, contact Brian Henen.

b. Desert Tortoise Vehicle Check. All personnel operating vehicles in the training areas will inspect underneath parked vehicles, including behind tires, prior to moving the vehicle. If a desert tortoise is beneath the vehicle, contact Range Control (BEARMAT) at: (760) 830-6535; or Environmental Affairs at: (760) 830-7896 or (760) 830-5720, to remove the animal from harm's way.

c. Wildlife Inspection. Environmental Affairs will inspect the project area for desert tortoise and migratory birds at least 48 hours before work starts. Contact Liz Barron or Brian Henen to schedule inspection.

d. Wildlife Avoidance. All wildlife are protected by California Law. Personnel shall not handle, harm or provide assistance to wildlife, including birds, their nests, eggs or parts. If personnel encounter wildlife needing assistance in the training areas, contact Range Control (call sign "BEARMAT"): (760) 830-6535. If personnel encounter wildlife needing assistance in Mainside, contact the Provost Marshall Office: (760-830-6800).

e. Raven Management. Anti-perching devices shall be installed on any new pole installed, or pole replaced or repaired within the proposed action. For more information, contact Liz Barron or Brian Henen.

f. General Best Management Practices

(1) Holes and trenches shall be temporarily fenced or covered overnight and when left unattended.

(2) Water, food, and trash waste shall be secured sufficient to prevent access by ravens and coyotes. Any trash receptacles used outside for extended stays should have a latching lid.

(3) Pets are not permitted in the training area.

12. PESTICIDE/HERBICIDE. Environmental Affairs Point of Contact = Joe Cleek, RCRA D/I Manager: (760) 830-8361 or joe.cleek@usmc.mil

a. The Action Sponsor shall ensure that any and all pesticide/herbicide application be approved and usage be provided to Public Works Division's Installation Pest Management Coordinator. Public Works Division's point of

contact is Mr. Jacob McPherson, at Jacob.m.mcpherson@usmc.mil or (760) 830-6650.

b. Application of pesticides, herbicides and insecticides is limited to developed areas (e.g., building, structure, lawns, etc.) and may not be used outside of the built environment (e.g., habitat that may support desert tortoise) unless NEPA coverage exists for the proposed action. The Action Sponsor or Public Works Division's Installation Pest Management Coordinator shall submit a Request for Environmental Impact Review prior to any proposed use outside the built environment. For instructions, see CCO 5090.4, NEPA Compliance (<https://www.29palms.marines.mil/Staff-Offices/Resource-Management-Directorate/Adjutant-Office/Orders/>) and Environmental Standard Operating Procedures for NEPA Documentation (<https://www.29palms.marines.mil/Staff-Offices/Installation-Support-Directorate/Environmental-Affairs/Environmental-SOP/>). For more information, contact the NEPA Manager, at: (760) 830-8190 or linda.serret@usmc.mil

13. SOLID WASTE. Environmental Affairs Point of Contact = Joe Cleek, RCRA D/I Manager: (760) 830-8361 or joe.cleek@usmc.mil

a. The Action Sponsor and contractor shall ensure that all green material/yard trimmings generated from the proposed action are properly segregated from the solid waste stream and sized no greater than 4 feet in length and 10 inches in width/diameter. All green material/yard trimmings must be properly disposed of within 30 days of generation to prevent propagation, harborage, or attraction of vectors, or the creation of nuisances.

14. SPILL RELEASES AND ABATEMENT. Environmental Affairs Point of Contact = Abatement Chief: (760) 401-9841; or Pat Mills, Hazardous Waste Branch Head: (760) 481-4710, (760) 481-4710, or patrick.o.mills@usmc.mil

a. The Action Sponsor shall ensure that all unpermitted hazardous substances released into the environment are reported to the Environmental Affairs Division's Abatement Section. Environmental Affairs' Abatement Chief: (760) 401-9841; can be reached 24 hours a day. All documentation regarding spill releases and notifications will be conducted by the Environmental Affairs' Abatement Section. The Action Sponsor shall ensure that the contractor does not make any notifications to external agencies.

b. The Action Sponsor shall ensure that Range Control Bearmat is notified and provided with the grid coordinates of any repair of tactical equipment that involves the removal of equipment's power pack/train and/or the draining or refilling of tactical equipment's petroleum, oils, and lubricants during a live fire training exercise. The Environmental Affairs' Abatement Chief: (760) 401-9841; can be reached 24 hours a day.

c. The Action Sponsor shall ensure spill kits are readily available prior to repairs of tactical equipment that involves the removal of equipment's power pack/train and/or draining or refilling of equipment's petroleum, oils, and lubricants.

d. The Action Sponsor shall ensure that an impermeable tarp that is large enough to cover the entire work area is used to contain any drips or release of petroleum, oils, and lubricants and/or hazardous waste during the repairs of tactical equipment.

15. SUSTAINABILITY. Environmental Affairs Point of Contact = Mike Ellitt, Pollution Prevention Branch Head: (760) 830-7695 or plessie.ellitt@usmc.mil

Enclosure (1)

a. The Action Sponsor shall make every effort to meet and/or exceed mandates set forth in Executive Order 14057, Energy Independence and Security Act 07, Energy Policy Act 05, Department of Defense Strategic Sustainability Plan, and Marine Corps Air Ground Combat Center's Installation Sustainability Action Plan/Performance Plan. For more information, contact Mike Ellitt.

b. The Action Sponsor shall ensure that appropriate receptacles are provided at each event to capture the proper disposal of all types of recyclable and non-recyclable solid waste. For more information, contact Mike Ellitt.

c. Per Senate Bill 14 (Hazardous Waste Source Reduction) and the Combat Center's Source Reduction Plan, the Action Sponsor shall not purchase any new railroad ties for use aboard the installation; however, the reuse of existing inventories is authorized. Railroad ties that are not reused shall be turned into Environmental Affairs' Hazardous Waste Management Section for proper disposal. For more information, contact Pat Mills: (760) 830-5403 or patrick.o.mills@usmc.mil

d. To meet Department of Defense Measures of Merit for solid waste recycling, the Action Sponsor shall ensure that facilities alternative food waste disposal system, i.e., Organic Waste System/Food Digester, Somat, Orca and/or Dehydration Unit are utilized and maintained. For more information, contact Mike Ellitt.

e. Action Sponsor shall ensure the use of alternative methods and/or contract mechanisms for proper disposal of dirty/brown grease. For more information, contact Mike Ellitt.

f. To meet Department of Defense Measures of Merit for solid waste recycling, the Action Sponsor shall capture and submit pounds/tonnage of recycled and/or diverted food waste generated by an alternative food waste disposal system i.e. Organic Waste System/Food Digester, Somat, Orca and/or Dehydration Unit. Action Sponsor shall submit the captured data by the 15th of each month to Environmental Affairs' Solid Waste Manager. For more information, contact Joe Cleek: (760) 830-8361 or joe.cleek@usmc.mil

16. UNDERGROUND STORAGE TANKS. Environmental Affairs Point of Contact = Joe Cleek, Tank Manager: (760) 830-8361, joe.cleek@usmc.mil

a. The Action Sponsor shall adhere to all existing facility permit conditions. For more information, contact Joe Cleek.

17. WATER RESOURCES. Environmental Affairs Point of Contact = Chris Elliott, Water Resource Manager: (760) 830-7883 or chris.elliott@usmc.mil

a. The Action Sponsor and/or contractor shall ensure any use of Combat Center water supply is protected with a properly certified backflow preventer (double check or reduced pressure). The Combat Center no longer approves the use of vehicle air gap(s). California Code of Regulations Title 17, Chapter 5, Article 2 Section 7605 outlines backflow testing and usage requirements. For more information, contact Chris Elliott.

b. The Action Sponsor and/or contractor shall ensure the proposed action is in accordance with the Combat Center Installation Sustainability Action Plan and all federal and state Executive Orders for water conservation. For more information, contact Chris Elliott.

c. The Action Sponsor and/or contractor shall ensure that all backflows are tested per California Code of Regulations Title 17, Chapter 5, Article 2, Section 7605 and the results are reported to Environmental Affairs Water Resources Manager and Public Works Cross Connection Control Manager prior to being placed into service. Contact both Chris Elliott (760) 830-7883 and Public Works point, Jeremiah Cruz: (760) 830-8812 or jeremiah.cruz@usmc.mil

d. The Action Sponsor and/or contractor shall ensure the Public Works Cross Connection Control Manager provides written approval (survey) prior to the removal of any backflow devices. Contact both Chris Elliott (760) 830-7883 and Public Works point, Jeremiah Cruz: (760) 830-8812 or jeremiah.cruz@usmc.mil

e. The Action Sponsor and/or contractor shall ensure any backflow devices installed, tested or removed are reported to the Public Works Cross Connection Control Manager for addition and/or updated to the Combat Center's inventory. Information reported shall include: location, make, model number, size, and serial number. All backflow installations shall comply with California Code of Regulations Title 17, Chapter 5 and Combat Center Cross Connection Control Plan. Contact both Chris Elliott (760) 830-7883 and Public Works point, Jeremiah Cruz: (760) 830-8812 or jeremiah.cruz@usmc.mil

f. The Action Sponsor and/or contractor shall ensure portable toilets are not placed within 20 feet of any storm channel, storm channel inlet, or natural wash and portable toilets are staked or tied down to prevent spillage. For more information, contact Chris Elliott.

g. The Action Sponsor and/or contractor shall ensure all paints, solvents, and equipment used in painting are handled/disposed of properly and are not washed out on the ground. For more information, contact Chris Elliott.

h. The Action Sponsor and/or contractor shall ensure all storm water and non stormwater runoff from construction site(s) are clear of any contaminants and controlled/released to proper storm water channels. Combat Center Storm Water Management Plan Best Management Practices will be followed. For more information, contact Chris Elliott.

i. The Action Sponsor and/or contractor shall ensure concrete washout containment is in place and used. Concrete washout containment shall not leak. All dried concrete washout material shall be disposed of properly. Concrete washouts will not be dug into the ground; washouts will be at/above grade. For more information, contact Chris Elliott.

j. The Action Sponsor an/or contractor shall ensure that complete disinfection/bacteriological sampling is conducted. California Code of Regulation Title 22, Chapter 15, Article 3, Section 64421(b) and California Code of Regulations Title 22, Chapter 15, Article 5, Section 64580 applies. A copy of the bacteriological sampling results shall be submitted to Environmental Affairs Water Resources Manager for review and approval prior to the line being placed into service. For more information, contact Chris Elliott.

k. The Action Sponsor and/or contractor shall ensure that a certified distribution operator is present during the entire disinfection process, per California Code of Regulations Title 22, Chapter 13, Article 2, Section 63770(b). This includes the complete disinfection process in full compliance with California Code of Regulation Title 22, Chapter 15, Article 3, Section

64421(b) and California Code of Regulations Title 22, Chapter 15, Article 5, Section 64580. For more information, contact Chris Elliott.

l. The Action Sponsor and/or contractor shall ensure any newly-installed distribution reservoir or distribution reservoir that has been taken out of service for repair or inspection shall be disinfected and sampled for bacteriological quality in accordance with California Code of Regulation Title 22, Chapter 15, Article 5, Section 64582. A copy of bacteriological sampling results shall be submitted to Environmental Affairs Water Resources Manager for review and approval prior to the reservoir being placed into service. For more information, contact Chris Elliott.

m. The Action Sponsor and/or contractor shall ensure the updated "As Builds" are completed and submitted to Public Works Division for any modifications to utilities, i.e., water, recycled water, sewer lines. These changes shall be incorporated into the geographic information system as applicable. For more information, contact Chris Elliott.

n. The Action Sponsor and/or contractor shall ensure all new construction, major renovation, repair, and alterations of buildings include the installation of new water saving fixtures (faucets, urinals, toilets, and showers). Executive Order 13693 and Combat Center Order 5090.1 apply. The Action Sponsor shall ensure new fixtures installed meet the following gallons per minute and gallons per flush standards:

- (1) Bathroom faucets will not have a flowrate exceeding 1.0 gallons per minute;
- (2) Kitchen faucets will not have a flowrate exceeding 1.5 gallons per minute;
- (3) Urinals will not utilize more than .5 gallons per flush;
- (4) Toilets will not utilize more than 1.28 gallon per flush;
- (5) Shower heads will not have a flowrate exceeding 2.0 gallons per minute.

For more information, contact Chris Elliott.

o. The Action Sponsor and/or contractor shall ensure water mains are constructed in accordance with the California Code of Regulations Title 22, Chapter 16, Article 4, Section 64572. Specifically, maintaining a 10 foot horizontal separation from sewage lines. For more information, contact Chris Elliott.

p. The Action Sponsor and/or contractor shall ensure all valve exercise and replacement is accomplished in accordance with American Water Works Association and other requirements as applicable. For more information, contact Chris Elliott.

q. The Action Sponsor shall ensure that the contractor provides Environmental Affairs Water Resources Manager with a monthly status report of valve exercise program, number of valves exercised, number repairs, number damaged, and non-operable. For more information, contact Chris Elliott.

r. The Action Sponsor and/or contractor shall ensure plant material or seed used is drought tolerant and irrigation is conducted with a water wise

approach and in accordance with Combat Center Order 5090.1. For more information, contact Chris Elliott.

s. The Action Sponsor and/or contractor shall ensure any flowing or flushing of fire hydrants is performed with the use of a diffuser to reduce erosion of surrounding soils and flushing is conducted with water conservation in mind. For more information, contact Chris Elliott.

t. The Action Sponsor and/or contractor shall ensure any new or repaired well, or a well that has been out of operation for more than three months are sampled for bacteriological quality prior to use in accordance with California Code of Regulation Title 22, Article 5, Section 64583. A copy of bacteriological sampling results shall be submitted to Environmental Affairs Water Resources Manager for review and approval prior to the well being placed into service. For more information, contact Chris Elliott.

u. The Action Sponsor and/or contractor shall adhere to the Combat Center Environmental Protection Information Manual (CCO 5090.1) and guidance provided by Environmental Affairs Water Resources Manager in dealing with operations that require disposal of "Gray Water or Black Water." For more information, contact Chris Elliott.

v. The Action Sponsor and/or contractor shall ensure the location (Universal Transverse Mercator coordinate system and building number), size, depth and other pertinent information related to the installation or removal of a septic tank is provided to Environmental Affairs Water Resources Manager. Per Underground Injection Control Program, California Code of Regulations Chapter 40 Part 144-148. For more information, contact Chris Elliott.

w. The Action Sponsor and/or contractor shall ensure water and wastewater storage tanks associated with shower/laundry operations are clearly labeled to prevent cross contamination. For more information, contact Chris Elliott.

x. The Action Sponsor and/or contractor shall ensure there is no discharge to land. All water is to be returned to the source, Ocotillo Ponds. The treated water will not be consumed. For more information, contact Chris Elliott.

y. The Action Sponsor and/or contractor shall ensure no rinsing/washing of material containing Chromium-3 (trivalent chromium) down the drain or onto the ground will occur. Any product containing Chromium-3 coming into contact with water (rinse water) requires all materials to be captured/contained and disposed of as hazardous waste. For more information, contact Chris Elliott.

z. The Action Sponsor and/or contractor shall ensure non-potable water is used for fugitive dust mitigation, porta john maintenance, and construction activities for all projects located at MCAGCC. The Action Sponsor shall coordinate with Environmental Affairs Water Resources Manager to obtain access to the Combat Center's non-potable water source. If Environmental Affairs determines non-potable water is not available, the Action Sponsor will be allowed to use potable water (with additional requirements). For more information, contact Chris Elliott.

aa. The Action Sponsor and/or contractor shall ensure all galley/kitchen sinks and floor drains are connected to an exterior, in ground grease interceptor. The grease interceptor will then connect to the Sanitary Sewer System. The Action Sponsor and contractor shall ensure grease interceptors are pumped and maintained to prevent pass through of grease and oils Combat Center

Environmental Protection Manual. Combat Center Order 5090.1 applies. For more information, contact Chris Elliott.

ab. The Action Sponsor and/or contractor shall ensure requirements outlined in the Combat Center Environmental Protection Manual, and Combat Center Order 5090.1 are adhered to when using Expeditionary Field Kitchens aboard the Combat Center. For more information, contact Chris Elliott.

ac. The Action Sponsor and/or contractor shall ensure Aqueous Film-Forming Foam testing only takes place at the flight line wash rack. No more than three (3) testing events per day will be conducted. Environmental Affairs Water Resources Manager shall be notified should the training requirements for this action change. For more information, contact Chris Elliott.

ad. The Action Sponsor and/or contractor shall seek Environmental Affairs Water Resources Manager approval prior to the application of polymers for dust suppression. For more information, contact Chris Elliott.

ae. The Action Sponsor and/or contractor shall ensure any project disturbing one or more acres of soil submits a Storm Water Pollution Prevention Plan in accordance with the Combat Center Storm Water Management Plan. For projects disturbing less than one acre of soil, the Action Sponsor shall ensure that the contractor submits an Erosion Control Plan in accordance with the Combat Center Storm Water Management Plan. The Action Sponsor and contractor shall ensure Storm Water Management Plans and Erosion Control Plans are submitted to Environmental Affairs Water Resources Manager for review 21 days prior to the commencement of work. Environmental Affairs is solely responsible for review, providing comments, and approval of Storm Water Pollution Prevention Plans and Erosion Control Plans. The Action Sponsor and contractor shall ensure work does not commence until the Storm Water Pollution Prevention Plan or Erosion Control Plan has been approved by Environmental Affairs. For more information, contact Chris Elliott.

af. The Action Sponsor and/or contractor shall ensure all stockpiled materials have dust control (covered, hydro seeded etc.) that prevents runoff in the event of over watering or storm event. For more information, contact Chris Elliott.

ag. The Action Sponsor and/or contractor shall ensure the reuse of decon water for dust control is only used on the contaminated stockpile and as long as the stockpile is lined, bermed and there is no runoff. For more information, contact Chris Elliott.

ah. The Action Sponsor and contractor shall ensure that all runoff is directed to existing storm water channels. For more information, contact Chris Elliott.

ai. The Action Sponsor and/or contractor shall submit electronically, each scope of work associated with the proposed action to Environmental Affairs Water Resources Manager for review and approval. This review and approval process is required prior to any scopes of work associated with this proposed action being submitted to Facility Engineering and Acquisition Division for execution. Environmental Affairs Water Resources Manager will make the final determination of water resource legislative mandates that will apply to each specific project. For more information, contact Chris Elliott.

aj. The Action Sponsor and/or contractor shall ensure that Facility Engineering and Acquisition Division does not execute any projects associated

with this proposed action without written consent from Environmental Affairs Water Resources Manager. For more information, contact Chris Elliott.

ak. The Action Sponsor and/or contractor shall ensure no water, waste stream, or other materials are discharged into storm channels without written pre-approval from the Environmental Affairs Water Resources Manager. For more information, contact Chris Elliott.

al. The Action Sponsor and/or contractor shall ensure that Facility Engineering and Acquisition Division does not close any projects that have stormwater requirements or permits without written consent from Environmental Affairs Water Resources Manager. For more information, contact Chris Elliott.

am. In accordance with Unified Facilities Criteria Code 3-10-10N, Section 2-2.2 Maximum Extent Technically Feasible, the following Low Impact Development exemptions apply:

(1) Site has high groundwater table, underground facilities or utilities;

(2) Soil infiltration capacity is limited;

(3) Site is too small to infiltrate significant volume;

(4) Non-potable water demand (irrigation, toilets, wash-water, etc.) is too small to warrant water harvesting and reuse system; and

(5) These exemptions prohibit the use and implementation of Low Impact Development at this site.

For more information, contact Chris Elliott.

an. The Action Sponsor and/or contractor shall adhere to installation's policies on irrigation and water conservation measures. The Action Sponsor and contractor shall ensure the project adheres to Combat Center Order 5090.1. For more information, contact Chris Elliott.

ao. The Action Sponsor and/or contractor shall take every measure possible to ensure recycled or non-potable water is used for irrigation of the area associated with this proposed action. For more information, contact Chris Elliott.

ap. The Action Sponsor and/or contractor shall ensure that the contractor ensures hose bib vacuum breakers are installed at all hose bib connections. For more information, contact Chris Elliott.

aq. The Action Sponsor and/or contractor shall submit a request to Environmental Affairs Water Resources Manager for the development/installation of any non-potable water wells. Environmental Affairs is responsible for obtaining state approval once request is submitted. The Action Sponsor and contractor shall not proceed without written approval from Environmental Affairs. For more information, contact Chris Elliott.

ar. The Action Sponsor and/or contractor shall ensure compliance with Title 17 California Code of Regulations §116815 (a). All pipes installed above or below the ground, on and after June 1, 1993, that are designed to carry recycled water, shall be colored purple or distinctively wrapped with purple tape. This requirement includes all irrigation lines, sprinkler heads, valve boxes, caps/covers, hoses, and quick connections. For more information,

Enclosure (1)

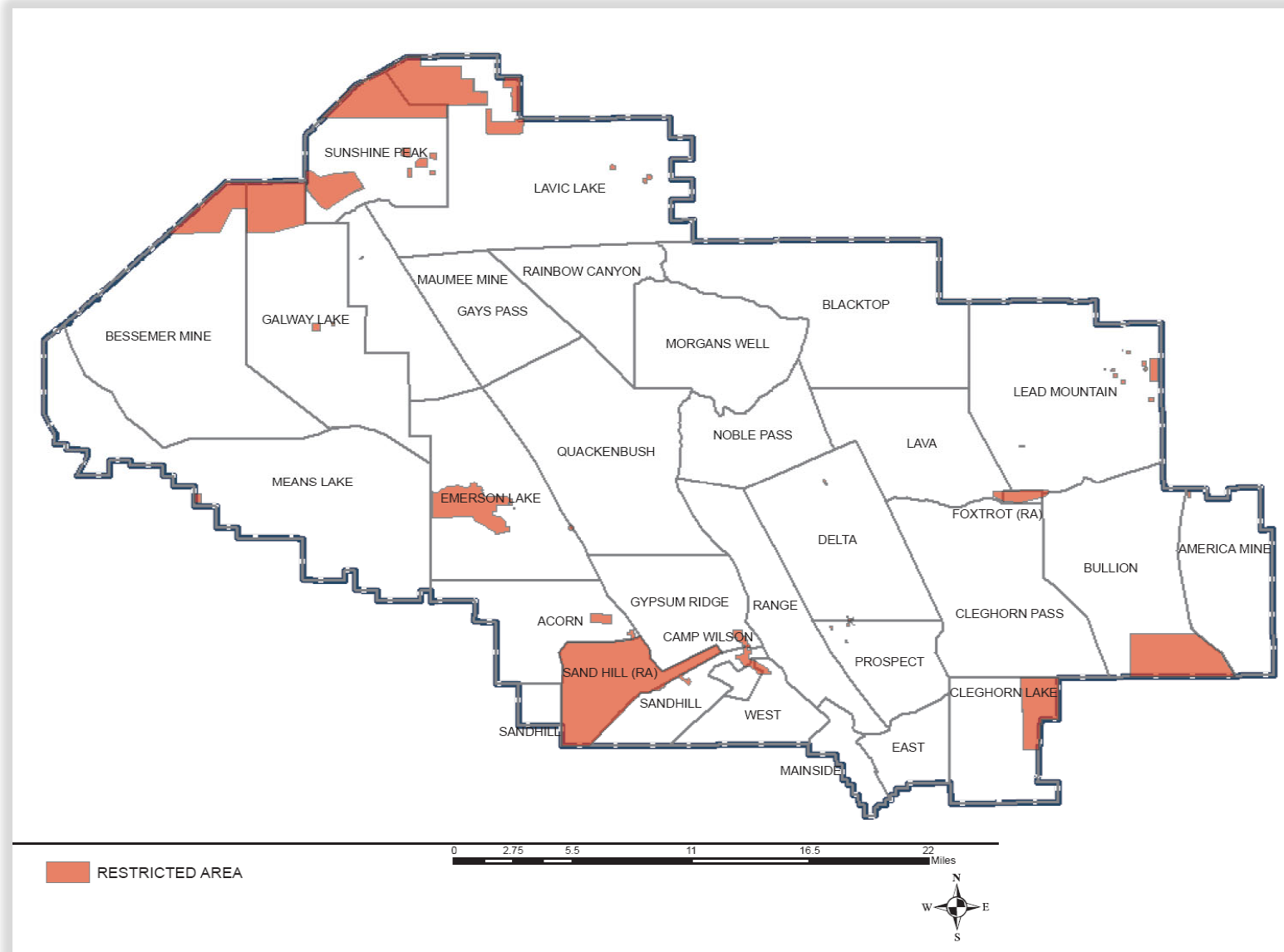
contact Chris Elliott.

as. The Action Sponsor and/or contractor shall ensure proper signage is placed indicating the use of recycled water. The sign will be in conformance with Title 22 California Code of Regulations Article 4 §60310 (g) which requires the following: all use areas where recycled water is used that are accessible to the public shall be posted with signs that are visible to the public, in a size no less than 4 inches high by 8 inches wide, that include the following wording: "RECYCLED WATER - DO NOT DRINK." Each sign shall display an international symbol similar to that shown in Title 22 California Code of Regulations Article 4 figure 60310-A. For more information, contact Chris Elliott.

at. The Action Sponsor and/or contractor shall ensure compliance with Title 22 California Code of Regulations Article 4 §60310 (i) which requires: the portions of the recycled water piping system that are in areas subject to access by the general public shall not include any hose bibs. Only quick couplers that differ from those used on the potable water system shall be used on the portions of the recycled water piping system in areas subject to public access. For more information, contact Chris Elliott.

au. As part of the United States Marine Corps Range Sustainment Program, a baseline Range Environmental Vulnerability Assessment was conducted at Marine Corps Air Ground Combat Center Twentynine Palms and the assessment was completed in 2008. The baseline Range Environmental Vulnerability Assessment assessed the current and historical range use to determine if there was a potential for munitions constituents from the current operational ranges to migrate off-range and cause an unacceptable risk to human health and/or the environment. The baseline Range Environmental Vulnerability Assessment process developed munitions constituents loading rates for historical use areas and current operating ranges. The primary migration pathways assessed under the Range Environmental Vulnerability Assessment process were surface water and groundwater transport. The baseline assessment found that there was limited option for munitions constituents to migrate off-range at concentrations greater than regulatory levels or Department of Defense Range Munitions Use Subcommittee screening values. For more information, contact Chris Elliott.

av. As part of the on-going Marine Corps Range Sustainment Program, the baseline Range Environmental Vulnerability Assessment will be reviewed every five years after the baseline assessment was completed, or when a substantial change to the range operations occurs. During the five-year review, the munitions constituents loading rates, surface water and groundwater migration pathways will be re-evaluated to determine if there is a potential for munitions constituents to migrate to off-site areas and pose an unacceptable risk to human health and/or the environment. For more information, contact Chris Elliott.

APPENDIX L - RESTRICTED AREAS

APPENDIX M - INSTALLATION RESTORATION PROGRAM SITES

