

CDHQ, US CENTRAL COMMAND
Camp As Sayliyah, Qatar
APO AE 09365
1 February 2004

ANNEX L TO USCENTCOM OPORD11 ~~(S/REL USA CBR AUSMCFI)~~
ENVIRONMENTAL CONSIDERATIONS (U)

(U) References:

- a. (U) Joint Pub 4-04, 22 February 95, Joint Doctrine for Civil Engineering Support.
- b. (U) DoD Instruction 4715.5 22 April 1996, Management of Environmental Compliance at Overseas Installations.
- c. (U) DoD Instruction 4715.8, 11 February 1998, Environmental Remediation for DoD Activities Overseas.
- d. (U) DoD 4160.21-M, 11 Mar 90, Defense Reutilization and Marketing Manual.
- e. (U) DoD 4715.5-G, 15 Mar 00, Overseas Environmental Baseline Guidance Document (OEBGD).
- f. (U) CCR 200-1, 28 Jul 97, Protection and Enhancement of Environmental Security.
- g. (U) DoD Directive 6050.16, 20 Sep 91, DoD Policy for Establishing and Implementing Environmental Standards at Overseas Installations.

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1. (U) Situation

a. (U) Purpose. To provide environmental guidance to U.S. forces executing ~~orders generated from this Plan~~ operations in support of Operation Iraqi Freedom (OIF). In the combat arena, environmental considerations will always be subordinated to the preservation of human life and force protection. However, this does not mean that preservation of the natural environment may be ignored in the execution of orders generated from this Plan or in the development of branch, sequel, or subordinate plans. USCENTCOM components will take all possible actions to protect human health and preserve the environment without regard to the location of operations. To the extent possible, Final Governing Standards (FGS), where published, or the OEBGD (reference e), and

references b and f will be the source documents for environmental compliance. ~~Finally,~~ U.S. forces must be prepared to initiate actions limiting gross damage to the environment resulting from friendly or hostile actions. Finally, U.S. forces must plan environmental exit strategies and coordinate environmental actions with Host Nation governments upon completion of mission.

b. (U) Assumptions.

(1) (U) Remediation of environmental damage will be limited to actions that do not degrade the concept of operations, until cessation of hostilities.

(2) (U) DoD environmental regulations specifically exempt combat operations; however, press coverage and worldwide public interests may scrutinize our environmental security actions.

(3) (U) Existing hazardous waste (HAZWASTE) accumulation sites in areas not occupied by the enemy will remain in operation.

(4) (U) Large-scale environmental remediation may be performed by commercial contract after cessation of hostilities.

~~(5) (U) Threatened host nations will relax enforcement of their environmental laws throughout the duration of hostilities.~~

~~(5)~~ (U) Status of Forces Agreements (SOFAs) or transit agreements will be obtained that specifically provide authority for the movement of U.S.-generated hazardous waste produced as a result of participation in operations using U.S., contractor, or other transportation assets, as necessary to affect their disposal in an environmentally sound manner. Specifically, notification and agreement concerning the Basel Convention and transboundary movement of Hazardous Waste.

~~(6)~~ (U) DRMS-I will establish support within or near the AOR to perform proper disposition of hazardous waste, subject to appropriate and applicable force protection and/or security concerns. All U.S.-generated hazardous waste will be disposed of through the support provided by DRMS-I unless directed otherwise by the USCENTCOM Environmental Engineer.

(78) (U) Environmental considerations are a national responsibility. Coalition forces will administer their independent environmental programs. U.S. forces shall exhibit environmental leadership by assisting coalition forces in proper environmental management, hazardous waste disposal, and spill response, where necessary.

c. (U) Limiting Factors.

(1) (U) Existing security conditions, preparation time (e.g., for transit and other agreements; supporting environmental contracts), and access by environmental personnel during the initial stage of deployment are limiting factors.

(2) (U) Delays in implementing international agreements, coordinating security for transportation, and contracting actions may necessitate requirements for extended periods of storage for regulated wastes at points of generation.

(3) (U) OPSEC and the operational requirements of units in contact, including force protection and the non-availability of required logistical support, will supersede compliance with environmental regulations.

(4) ~~(S/REL USA GBR AUS)~~ U.S. forces lack experience in containing large spills of POL, HAZWASTE and hazardous materials (HAZMAT), and decontaminating large areas.

(5) (U) The prime contractor for export and disposal of HAZWASTE may be inhibited by reduced regional shipping.

(6) (U) Initially, strategic lift will not be available for transporting HAZMAT/HAZWASTE packing materials.

(7) (U) Unit tactical assets will not be available for transportation of HAZWASTE to accumulation points.

(8) (U) Nuclear, Biological, and Chemical (NBC) wastes and related issues are not addressed by Annex L.

2. (U) Mission. USCENTCOM, its components, and JTFs will consider environmental consequences while preparing and executing orders based upon this plan. Upon and throughout deployment and re-deployment, U.S. forces must actively prevent pollution, respect the natural and cultural resources

of host nations, comply with U.S. and host nation environmental regulations (to the extent applicable during periods of conflict), and clean-up hazardous and POL spills and other environmental contamination that directly endanger the health and safety of U.S. Forces, Allied Forces, and non-combatants.

3. (U) Execution

a. (U) Concept of Operations

(1) (U) General Operating Concept. This Annex describes in broad terms the conduct of USCENTCOM forces during operations. However, in every case, obligations are subject to existing conditions, force protection, and mission accomplishment.

(a) (U) The best practical and feasible environmental engineering practices shall be applied that maximize the protection of human health and welfare and the environment, taking into consideration existing operational conditions and engineering practices.

(b) (U) To the greatest extent practical measures shall be taken to prevent pollution and to minimize adverse environmental impacts during all aspects of the operation. These measures include, but are not limited to, hazardous materials management, spill prevention, hazardous waste storage and disposal management, and expeditious response.

(c) (U) U.S. Forces will comply with treaty obligations, and respect the sovereignty of other nations.

(d) (U) U.S. Forces will take appropriate actions to ensure that wastes generated during the operation are managed and disposed in an environmentally sound manner, and will assist coalition forces OPCON to USCENTCOM to do the same.

(e) (U) U.S. Forces will include environmental considerations in all aspects of operations to minimize actions which might expose U.S. Forces to unnecessary health risks, cause unnecessary harm to the environment, or subject the U.S. to unfavorable publicity and future claims for damages, and will assist coalition forces OPCON to USCENTCOM to do the same.

(f) (U) U.S. Forces will assess environmental systems and practices (e.g., potable water, wastewater, solid and hazardous waste management) initially and at every significant change in operations.

(2) (U) Preparation and Initial Deployment of U.S. Forces

(a) (U) Unit-level Environmental Coordinators. Deploying units shall appoint an officer or a senior non-commissioned officer (E7 or above) to coordinate and control unit level environmental procedures and assessments.

(b) (U) Pre-Deployment Training. Component Commanders shall provide training to ensure familiarity with Annex L, supporting environmental annexes to component orders, and unit level plans and environmental procedures.

(c) (U) Manuals. Units shall deploy with appropriate environmental reference manuals and SOPs, e.g., spill prevention and response plans and hazardous materials management. Unit-level Environmental Coordinators will contact the Component Environmental Engineer for additional references developed for specific operations.

(d) (U) Containers. Units shall deploy with sufficient quantity and proper (e.g., compatible) type of U.N. approved hazardous waste disposal containers and overpacks for use during initial phases of the deployment (empty-by-design containers can be used for shipping non-liquid, non-hazardous materials during initial deployment). Units will plan for re-supply of containers sufficient to sustain them for the duration of operations.

(e) (U) Spill Containment and Cleanup Materials. Units shall deploy with sufficient (e.g., quantity and type) spill containment and cleanup materials to cover potential releases of hazardous waste, hazardous materials and POL during transport and during initial phases of the deployment. Units will plan for re-supply of spill containment and cleanup materials sufficient to sustain them for the duration of operations.

(3) (U) Operations. Operations shall be conducted in a manner that exhibits leadership in the area of protection of human health and the environment, and comply with the General Operating Concept outlined above. For operations occurring in

countries where Final Governing Standards have been developed, environmental standards will be established in accordance with the FGS. In countries where no FGS has been established, the OEBGD will be used as the baseline for establishing environmental standards. U.S. Forces shall, at a minimum, comply with the following ~~mitigative~~ mitigation measures:

(a) (U) Documentation of Initial Environmental Conditions. As soon as practicable after a facility (e.g., site, base camp) is identified for occupancy by U.S. Forces, the Component/JTF will ensure the initial environmental condition (Environmental Baseline Survey) is documented using appropriate environmental professionals. Documentation should describe the conditions of water sources, soil, natural resources (including endangered and threatened species, if possible), cultural and historical properties, air quality, environmental contamination, and other environmental conditions. Results should be provided to the USCENTCOM Engineer and USCENTCOM Surgeon. The USCENTCOM Engineer and the Component will retain a copy. Copies will be archived IAW paragraph 4 (Administration and Logistics) of this Annex.

(b) (U) Potable Water. See Appendix 2 to Annex D of this Plan.

(c) (U) Gray Water. Mess, bath, and laundry operations will use existing sewage lines where available or constructed soakage pits and ponds. Location of soakage pits will be coordinated with preventive medicine personnel and will be constructed to prevent pooling and to prevent creation of new insect breeding areas. Ships will discharge gray water per service regulations.

(d) (U) Wastewater/Human Waste (Sanitary Sewage). Sanitary sewage will be disposed of using the method that is the most protective of human health and the environment under existing operational conditions. Ships will discharge black water per service regulations. The following disposal alternatives are presented in general order of preference, however, site-specific considerations and operational duration and intensity make take precedence:

1. (U) Existing systems (e.g., latrines, sanitary sewers, and treatment facilities).

2. (U) Constructed or packaged wastewater treatment units or contracted services.

3. (U) Field expedient procedures.

(e) (U) Solid Waste. Solid waste will be managed using the method that maximizes the protection of human health and the environment under existing operational conditions. Management of solid wastes will be IAW applicable procedures determined by the Component Engineer, in consultation with the Component Command Surgeon. Ships will dispose of solid waste per service regulations. The following disposal alternatives are presented in general order of preference, however, site-specific considerations and operational duration and intensity make take precedence:

1. (U) Existing solid waste disposal systems.
2. (U) Contracted services.
3. (U) Field expedient procedures.

(f) (U) Infectious Waste. Infectious waste will be segregated at the point of origin. Mixtures of solid waste and infectious waste will be minimized, and will be handled as infectious waste.

1. (U) Definition. Waste produced by medical, dental and veterinary treatment activities that has the potential for causing disease and may pose a risk to both individual or community health if not managed properly (e.g., pathological waste such as human tissues and body parts; human blood and blood products; sharps including hypodermic needles and syringes).

2. (U) Management. Infectious waste will be segregated, transported and stored IAW Command Surgeon approved standard operating procedures for managing regulated medical waste.

3. (U) Treatment and Disposal. In-country contract disposal will be used where feasible. The Component Surgeon shall approve methods of disposal (typically high temperature incineration). If contract disposal is not feasible, approved field expedient procedures will be used.

(g) (U) Hazardous Materials. Effort should be made to minimize the use and storage of hazardous materials. Such effort will result in the reduction of hazardous waste

produced. All excess U.S. hazardous material should be reissued by the supply support activity in theater, if possible. Excess hazardous material not reissued shall be returned to home station as hazardous material, if possible. Hazardous materials that cannot be returned to home station shall be disposed of as a hazardous waste.

1. (U) Definition. A hazardous material is any material that, based on either chemical or physical characteristics, is capable of posing a risk to health, safety, or the environment if improperly handled, stored, issued, transported, labeled, or disposed of. Examples include: carcinogens, corrosive materials, irritants, toxic materials, combustible liquids, compressed gases, explosives, flammable materials, oxidizers, unstable (reactive) materials, pesticides, water-reactive materials, lithium batteries, and photographic chemicals.

2. (U) Shipment. Shipments of hazardous materials will be accompanied throughout by shipping documents that clearly describe the quantity and identity of the material and will include Material Safety Data Sheet (MSDS). Unit Commander or contracted vehicle operators will be provided information on the hazardous material in the shipment, including health risks of exposure and the physical hazards of the material and the potential for fire, explosion, and reactivity. Unit Commander or contracted vehicles transporting hazardous materials will be appropriately marked, subject to security and operational considerations, and their contents appropriately labeled. International air shipments will follow appropriate DoD, component, and DLA (reference d) instructions.

3. (U) Storage. Hazardous materials will be segregated from non-hazardous materials and separated from incompatible hazardous materials. Hazardous materials storage sites and containers will be checked on a regular basis to assure they are secure. Hazardous materials storage containers will be closed unless being filled or emptied.

4. (U) Pesticide Usage. All pesticide applications made during operations shall be recorded on DD Form 1532-1 and comply with applicable portions of DoD Instruction 4150.7. Records will be retained in accordance with paragraph 4 of this Annex.

(h) (U) Hazardous Wastes. Minimize use of hazardous materials whenever possible to minimize the production of hazardous wastes. DRMS-I will establish support within or near the AOR to perform proper disposition of hazardous waste, subject to appropriate and applicable force protection and/or security concerns. All U.S.-generated hazardous waste shall be disposed of through the support provided by DRMS-I unless otherwise approved in writing by the USCENTCOM Engineer. DRMS-I will develop guidance on turn-in procedures for hazardous waste.

1. (U) Definition. A hazardous waste is any discarded material that may be a solid, semi-solid, liquid, or contained gas that exhibits a characteristic such as ignitability, corrosivity, reactivity, or toxicity which has the potential to be harmful to human health or the environment, due to its quantity, concentration, chemical, or physical characteristics. Hazardous waste includes all hazardous materials that are being discarded to include partially used and opened containers destined for disposal.

2. (U) Collection Points. Each base and unit shall establish individual or shared hazardous waste collection points. Wastes shall be properly segregated and labeled (e.g., waste oils, contaminated fuel, solvents, and chemical compounds) to ensure proper packaging for handling and final disposal. Secondary containment shall be provided as required in paragraph C6.3.4.2 of the OEBGD (reference_e).

3. (U) Transportation/Shipment. Service components are responsible for arranging the transportation of hazardous waste from collection points to centralized hazardous waste storage areas in accordance with procedures established by the Component and the USCENTCOM Engineer in consultation with DRMS-I.

4. (U) Final Disposal. Hazardous waste will be disposed of using the method that is the most protective of human health and the environment, under existing operational conditions. The following disposal alternatives are presented in order of preference:

a. (U) DRMS-I-Managed Disposal. Following turn-in, DRMS-I shall be responsible for ensuring that hazardous wastes are properly disposed of IAW U.S., International and Host Nation laws and regulations. DRMS-I shall determine the optimum hazardous waste disposal solutions

for the AOR and ensure that any DLA disposal contract achieves cost-effective disposal consistent with DoD's emphasis on environmental leadership. Any hazardous waste not disposed of through DRMS-I shall be reported through the chain of command to the Component/JTF and the USCENTCOM Engineer.

b. (U) Local Recycling. Local recycling of select hazardous wastes as a fuel (e.g., recovered POL) is an alternative disposal option through the DRMS-I managed disposal contract. Requests for recycling by host nation contractors will be coordinated with DRMS-I and then submitted through the Component to the CENTCOM Engineer for approval.

c. (U) Return to the Unit's Home Station. International agreements (e.g., Status of Forces Agreements, transit agreements) and laws of involved nations (countries of origin, transit, and destination) must be considered before this alternative is used. This alternative requires the prior approval of the Component and if DLA support is envisioned, requires prior coordination with the servicing Defense Reutilization and Marketing Office (DRMO) at destination.

d. (U) Incineration. Requests for incineration for recycling or disposal must be coordinated with DRMS-I and then submitted through the Component to the CENTCOM Engineer for approval.

(i) (U) Petroleum, Oil, and Lubricants (POL). including waste-antifreeze. POL facilities must be designed and installed with attention to leak detection and prevention and spill containment requirements, as threat conditions allow. Efforts shall be made to ensure good housekeeping, adequate equipment maintenance and adherence to proper procedures to avoid or minimize operational spills of POL. Spill response and cleanup is generally a unit responsibility. Waste POL shall be disposed of IAW alternatives identified above for hazardous wastes. Requests for recycling used POL by host nation contractors will be coordinated with DRMS-I and then submitted through the Component to the CENTCOM Engineer for approval.

(j) (U) Spill Prevention, Control and Countermeasure (SPCC). Main base and satellite camps shall develop a spill prevention/control plan and submit the SPCC plan to the CENTCOM Engineer. Special care will be taken to protect surface waters and groundwater from contamination. Spill response teams will be identified and trained to respond to

spills. Spills will be cleaned up as soon as possible. Units will employ low cost equipment (e.g., drip pans) to catch leaking POL and hazardous materials, and will ensure that adequate types and quantities of containment and cleanup equipment (e.g., absorbent materials, dry sweep and overpacks) are available at POL and hazardous materials storage locations and on all appropriate transports (e.g., fuel transports and hazardous material transports). Consideration should be given to cost-effective, on-site treatment for POL-contaminated soils, which can achieve acceptable treatment efficiencies as established by the component environmental engineer, and approved by the USCENTCOM Engineer, or contaminated soils will be disposed of IAW alternatives identified above for hazardous wastes. The Component/JTF will coordinate spill response plans with civilian fire departments and other host nation authorities, where to the maximum extent practicable.

(k) (U) Natural Resources. The Component/JTF will pursue available documentation and intelligence assets to identify environmentally sensitive areas. To the extent practicable, and consistent with operational conditions, Commanders are to consider protection of natural resources, to include all plants and animals, and in particular, any endangered or threatened species and avoid or minimize adverse impacts. Liaison with host nation environmental authorities and local experts is encouraged by the Component, in consultation with the USCENTCOM Engineer, during the planning for the construction and/or leasing of major base camps or sites to be occupied by U.S. Forces. The Component Engineer will develop appropriate guidance and practices to minimize unnecessary clearing, soil erosion, degradation of air and water quality, and habitat destruction to protect identified environmentally sensitive areas.

(l) (U) Historic and Cultural Resources. The USCENTCOM Engineer and Component/JTF will pursue available documentation and intelligence assets to identify historic and cultural areas. To the extent practicable, and consistent with operational conditions, Commanders will consider protection of historic and cultural resources and avoid or minimize adverse impacts. Liaison with host nation environmental authorities and local experts is encouraged by the Component during the planning for the construction of major base camps or sites to be occupied by U.S. Forces. The Component Engineer will develop appropriate guidance and practices to minimize unnecessary disturbance to historically and culturally significant areas.

(m) (U) Environmental Evaluations. Unit-level Environmental officers will conduct regular evaluations of activities that pose a potential for environmental problems (e.g., vehicle maintenance areas, POL and hazardous waste storage areas). The Component will establish the frequency of the evaluations. Report any significant findings to the USCENTCOM Engineer, IAW paragraph 4 (Administration and Logistics) of this Annex.

(n) (U) Incident Reporting. Any significant environmental incident or accident (e.g., an event which results in an imminent health threat, or a spill of a hazardous material, waste, or POL) shall be reported IAW paragraph 4 (Administration and Logistics) of this annex. The source document for spill report thresholds shall be the OEBGD (reference e).

(o) (U) Environmental Assessments. The Component icw the JTFs will, based on the maturity and duration of operations, determine the appropriate level of environmental analysis, threshold levels, and timeframes, and will issue guidance as appropriate. Excluding Environmental Assessments should be the exception rather than the rule. Appendix 1 provides guidance on the format for submitting Environmental Assessments and Appendix 2 provides guidance on submitting a request for exclusion for an Environmental Assessment.

(4) (U) Exit/Redeployment

(a) (U) Documentation of Final Environmental Conditions. As close as practicable to the redeployment of U.S. Forces from a site (e.g., base camps and major facilities), the Component JTF will ensure that the final environmental condition is documented, including environmental contamination. For consistency, the environmental professionals who conducted the Environmental Baseline Survey should be used, if possible. The reports on final environmental condition will serve as documentation in the event of claims or other legal challenges and shall be forwarded to the USCENTCOM Engineer upon completion.

1. (U) Documentation should describe and compare the conditions of water sources, soil, wastewater, natural resources (including endangered and threatened species, if possible), cultural and historic properties, air quality, and other environmental conditions with that found during the EBS.

To the maximum extent possible, maps and pictures should be included in the final EBS documentation.

2. (U) The mission of the site during U.S. occupancy shall be described to include the location and operation of latrines, landfills, hazardous material and waste storage sites, landfills, presence of expended depleted uranium, POL storage areas, POL fueling operations, spills or releases of hazardous waste or POLs, training or firing ranges, solid waste and burn-pit operations, maintenance activities, and the location of other activities affecting environmental conditions.

3. (U) Cost-effective, yet environmentally sound options will be considered to ensure that required cleanup efforts are completed or contamination is documented prior to redeployment. Remediation actions follow reference c, and will be approved by the Component and CENTCOM Engineer.

4. (U) The Component/JTF Engineer will identify those site conditions or existing legal or real estate agreements which define environmental actions or projects which must continue after transfer of the site and will initiate appropriate action to complete the cleanups. To the maximum extent possible, the Component Engineer will coordinate environmental actions with the host nation environmental agencies.

5. (U) Copies of these reports shall be provided to the applicable Real Estate Office and the USCENTCOM Engineer IAW paragraph 4 (Administration and Logistics) of this annex.

(5) (U) Compliance Requirements

(a) (U) Units in contact are not required to comply with U.S. environmental regulations; however, commanders are expected to encourage pollution prevention, coordinate environmental actions with host nation environmental agencies, and ensure stewardship of host nation natural resources.

(b) (U) Units in combat zones that are not actively engaged are expected to refer to references e and f and country-specific Final Governing Standards (where written) as guides to their pollution prevention and conservation actions.

(c) (U) Units deployed for operations other than war (OOTW) are required to comply with peacetime environmental regulations unless specifically exempted by the Component Commander.

(6) (U) Phased Compliance

~~(a) (S/ORCON/REL USA GBR AUSREL MCFI) This Annex applies throughout all four Lines of Action or phases. Phase I-Shape the Battlespace: Environmental actions during this phase focus on all units protecting the environment through the basic practices of pollution prevention and protection of host nation natural resources. Where practical, HAZWASTE should be properly packaged and withdrawn to accumulation points.~~

~~(b) (S/ORCON/REL USA GBR AUS) Phase II- Decisive Offensive Operations: Units actively engaged should note in SITREPs the site of staged HAZWASTE. As serious environmental damage is uncovered, it should also be documented for containment by follow on forces. Units not engaged in direct combat should follow sound environmental practices. As the rear areas progress toward restoration of non-combat activities, remediation of environmental damage will become a higher priority consideration.~~

~~(c) (S/ORCON/REL USA GBR AUS) Phase III- Complete Regime Destruction: Units actively engaged should document the site of staged HAZWASTE. As serious environmental damage is uncovered, it should also be documented for containment by follow on forces. Follow on engineer forces will be required to contain serious environmental damage and evacuate hazardous wastes reported by units in contact with the enemy. Units not engaged in direct combat should follow sound environmental practices.~~

~~(d) (S/ORCON/REL USA GBR AUS) Phase IV- Post Hostilities: In this phase, aAll units will be responsible for following sound practices and displaying environmental stewardship. Additionally, take extensive efforts to contain and document serious environmental damage will continue. U.S. forces can expect to be involved in operations to cordon off seriously contaminated areas and in efforts to restore basic health and sanitation conditions throughout the region. Continued extensive coordination between the DLA/DRMS-I, host national environmental agencies, and the Components/JTFs will be required to evacuate accumulated hazardous wastes from the~~

AOR. Components should consider recycling used-POLs with qualified host nation contractors, after coordination with DLA/DRMS-I and final approval from the CENTCOM Engineer. To the maximum extent possible, environmental plans and actions will be coordinated with host nation environmental agencies.

(7) (U) Mission Support

(1a) (U) The Defense Reutilization and Marketing Service International (DRMS-I), provides USCENTCOM direct support in the disposal and shipping of HAZMAT and HAZWASTE. The regional liaison office is located in Abu Dhabi, UAE.

(2b) ~~(S/REL MCFI)~~ The US Army Corps of Engineers (USACE) Gulf Regional Division (GRD) will enhance military support of the CPA, including environmental practices throughout operations. The GRD will also ensure contracts provide environmental compliance guidance and coordinate with Component/JTF and CENTCOM Environmental Engineers. Significant environmental issues or requests to change policy will be referred to the CENTCOM Engineer.

b. (U) Tasks

(1) (U) Environmental Executive Agent. Per reference b, USCENTCOM is designated as Environmental Executive Agent for all countries in the AOR.

(2) (U) Responsible Commander (Base Commander/Base Operating Support (BOS Coordinator/provider)). ~~As designated in the OPERATION ENDURING FREEDOM Operation Orders.~~ Responsible for overall implementation of and compliance with the environmental section of Annex L at each base supporting U.S. forces.

c. (U) Coordinating Instructions

(1) (U) Joint Environmental Management Board (JEMB). When operational, the USCENTCOM (JEMB) will be the focal point for oversight, monitoring, containment, and remediation of major environmental damage throughout the AOR. Coordination efforts will normally include medical, weather, intelligence, and engineer personnel. See Appendix 3 to this Annex.

(2) (U) Components and JTFs. Responsible for ensuring awareness of current environmental regulations and policies for their areas of operations. Responsible for implementation

of and compliance with the environmental section of Annex L and for developing supporting environmental annexes. Responsible for ensuring compliance with Component environmental regulations that are not in conflict with Annex L. Provide training to ensure familiarity with Annex L, supporting environmental annexes to component operational plans and orders, and unit level plans and environmental procedures. Responsible for collecting, storing, and transporting unit-produced hazardous materials and wastes IAW component guidance. Responsible for coordinating the turn-in of hazardous wastes and excess hazardous materials to DRMS-I for final disposition and for the final disposal of hazardous wastes not turned in to DRMO. Responsible for tracking, reporting, and final disposal of HAZWASTE not turned into DRMS-I. Responsible for on-going monitoring/recording locations, types, and quantities where Depleted Uranium (DU) munitions have been fired, either during operations or for training, ~~and~~ where DU-destroyed equipment is collected or buried, and known or suspected locations of impacted expended DU rounds. Responsible for tracking and controlling stocks of DU munitions in order to ensure no improper disposal of DU munitions.

(3) (U) Components and JTFs are responsible for designating the following responsibilities within their staffs. Staff proencies below are the norm.

~~___(2) (U) Joint Environmental Management Board (JEMB). When operational, the USCENCOM (JEMB) will be the focal point for oversight, monitoring, containment, and remediation of major environmental damage throughout the AOR. Coordination efforts will normally include medical, weather, intelligence, and engineer personnel. See Appendix 3 to this Annex.~~

(3a) (U) Component and JTF Engineer. Responsible for the operational support of the environmental section of Annex L and the appropriate staffing of an environmental office that will be responsive to the Component. Establish a plan for coordinating with the host nation, other foreign nations, Non-Governmental Organizations (NGOs), and other activities on applicable environmental matters. Draft agreement(s) on appropriate in-country support in working environmental issues for the duration of operations. Responsible for support to DRMS-I in obtaining: international agreements concerning transboundary shipment of hazardous wastes, host-nation/local sales authority, used-POL recycling, and sale of excess material. Develop appropriate guidance and practices to

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minimize unnecessary clearing, soil erosion, degradation of air and water quality, and habitat destruction to protect identified environmentally sensitive areas and to minimize unnecessary disturbance to historically and culturally significant areas. Ensure detailed guidance is developed for the closure of U.S. facilities (e.g., sites and base camps) and adequate tracking and administrative enforcement procedures are followed. Report the status of facility closure EBS to the CENTCOM Engineer. Identify those site conditions or existing legal or real estate agreements which define environmental actions or projects that must continue after transfer of the site and will initiate appropriate action to complete any required remediation. Responsible for ensuring construction contracts comply with environmental standards. To the maximum extent possible, coordinate environmental actions with the host nation environmental agency.

(4b) (U) Component and JTF Environmental Engineer. Proponent for the environmental section of Annex L and heads the environmental office. Responsible for developing more detailed environmental services guidance and standards, in coordination with CENTCOM Environmental Engineer. Responsible for coordinating with the Component Commander's Surgeon, Safety Officer, and SJA, as appropriate. Participate to the maximum extent possible in the planning for and siting of forces. Track, provide status updates, and Rretain copies of initial and final environmental condition reports. Responsible for preparing concepts of operations and disposal and recycling guidance for subordinate commands and to the CENTCOM Engineer. Responsible for enforcing environmental policies of this Annex throughout their Area of Operation and within their subordinate commands. To the maximum extent possible, coordinate environmental actions with the host nation environmental agency.

(5c) (U) Component Staff Judge Advocate. Responsible for legal support of Annex L, and for coordinating legal issues with SJAs senior in the chain of command.

(6d) (U) Component Surgeon. Responsible for medical (e.g., preventive medicine) support to Annex L with priorities on safe potable water, sanitation, waste disposal (e.g., hazardous and infectious), air quality, health risk assessments (e.g., for site remediation); and vector control

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to protect human health and welfare. Participate in the planning for siting of forces, perform or oversee sampling, analysis, and monitoring to protect the health and safety of deployed personnel and surrounding community. Conduct periodic environmental health risk assessments of activities which pose a potential for environmental or health problems. Report any significant findings to the Unit-level Commander and Unit-level Environmental Point of Contact. Report any findings that cannot be corrected immediately or with on-hand resources to the Component.

(7e) (U) Component Commander Safety Officer. Responsible for safety matters in support of Annex L. Coordinate activities with the Component Environmental Engineer, and Component Surgeon, as appropriate.

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(8f) (U) Component Director of Logistics. Responsible for all aspects of hazardous materials management to include minimizing use, storage, transportation, disposition, and return to home station of excess materials.

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(93) (U) Defense Reutilization and Marketing Service - International (DRMS-I). Responsible for establishing on-site support within or near the AOR to perform proper disposition of hazardous waste, subject to appropriate and applicable force protection and/or security concerns. Develop guidance on turn-in procedures for hazardous waste and excess hazardous materials. Once turned in by U.S. Forces to DRMS-I, DRMS-I is responsible for ensuring that hazardous wastes are properly treated and disposed of in an environmentally responsible manner. DRMS-I shall determine the optimum hazardous waste treatment and disposal options for the AOR and shall ensure that any DRMS-I contract achieves cost-effective disposal consistent with DoD's emphasis on environmental leadership. Responsible for support and developing strategies for local, national, and international agreements concerning transboundary shipment of hazardous wastes.

(104) (U) Unit Commanders. Commanders are responsible to ensure that their units protect the environment IAW the General Operating Concept. Commanders shall ensure that:

(a) (U) Their preparation and initial deployment, operations, and exit/redeployment in support of this OP ~~PLAN~~ ORD are in compliance with this Annex. Environmentally sound planning is integrated into all operations to avoid or minimize adverse environmental impacts and that management

plans are prepared for the proper handling and disposition of all wastes.

(b) (U) Appoint a unit-level Environmental Coordinator per paragraph 3.a.(2) (a) and provide a list of appointments to the appropriate Component upon deployment, or at the earliest opportunity thereafter.

(c) (U) Their units deploy with the appropriate environmental reference manuals, containers, and spill containment and cleanup materials per paragraphs 3.a.(2) (c), (d) and (e).

(d) (U) Appropriate measures are taken to minimize use of hazardous materials and avoid leaks and spills of hazardous materials and POL products.

(e) (U) Wastes generated during the operation are managed in an environmentally sound manner IAW this Annex.

(f) (U) Any environmental contamination, which presents an imminent and substantial environmental threat to human health and safety, is identified in coordination with the Component Command Surgeon and Engineer and appropriate action is taken to eliminate the threat.

(g) (U) In strict accordance with reference c, Approved~~required~~ remediation of contaminated sites is completed, as practicable, prior to redeployment using cost-effective and environmentally sound methods coordinated with the CENTCOM Environmental Engineer. Provide appropriate documentation of remediation efforts to the CENTCOM Engineer.

(415) (U) Unit-level Environmental Coordinator. In coordination with Unit Commanders, the Component/JTF and CENTCOM Engineer, develop and distribute specific procedures to ensure assigned personnel comply with the basic requirements of Annex L. Contact the Component/JTF Environmental Engineer for additional environmental references developed specifically for the operation. Conduct regular evaluations of activities which pose a potential for environmental problems (e.g., vehicle maintenance areas, POL and hazardous waste storage areas) and report any significant findings from these evaluations and other significant environmental incidents or accidents to the Component/JTF Engineer and CENTCOM Engineer.

(126) (U) The trans-boundary shipment of HAZWASTE by components shall be done IAW published procedures by competent authority.

(137) (U) DRMS-I, icw host nation environmental agencies and the Component/JTF Environmental Engineer, will coordinate the export of HAZWASTE waste from the region; initiate efforts to certify and contract disposal within the host nation and contract/recycle used POLs within the host nation.

(148) (U) Environmental conflicts with host nation sources will be referred to the Component/JTF Engineer for the host country involved or the USCENTCOM Engineer if appropriate. Environmental conflicts between US agencies, Components and JTFs will be referred to the USCENTCOM Engineer.

(159) (U) To the maximum extent possible, Component environmental assistance visits, icw applicable JTFs, will only be conducted at forward and rear areas, in rear areas until commencement of Phase IV, throughout all four Lines of Action.

(1610) (U) Requests for contracted environmental support, local sales authority, and host nation recycling of used-POLs will be submitted to the Component Engineer for endorsement to the CENTCOM Engineer.

4. (U) Administration and Logistics

a. (U) Logistics.

(1) (U) Natural water sources throughout the region frequently contain levels of dissolved solids and microbial constituents to which U.S. forces are not accustomed. Components will verify certification, by appropriate medical authority, of local water sources for cooking and bathing. Potable water provided from Reverse Osmosis Water Purification Units is the standard for drinking water for U.S. Forces, or bottled water from sources on the CENTCOM List of Medically Approved Sources. NOTE: ROWPU product water is still the only doctrinally approved source of potable water in the field. There is no policy at DoD, Service, or component level recognizing bottled water as the standard means for providing potable water to the field. Other sources are not recommended,

but may be used as a last resort if certified for drinking by appropriate medical field units.

(2) (U) Components will be the primary source for HAZWASTE packing materials within their countries. HAZWASTE packing materials can be obtained through HW disposal contract established by DRMS-I.

(3) (U) Components and JTFs will develop specific policies for the management of HAZWASTE accumulation points, Component environmental evaluations/inspections, spill response planning and documentation, Depleted Uranium expenditure known-site administrative recordkeeping, and reporting status of initial and final EBS.

b. (U) Reports.

(1) (U) Components and JTFs will report the location of hazardous waste staged by combat units storage points to the USCENTCOM Engineer and DRMS-I, along with its geo-coordinates, in unit SITREPs.

(2) (U) Sites of major environmental contamination (including known and suspected depleted uranium), type, and scope will be reported to the Component Commander and the USCENTCOM Engineer.

(3) (U) Components /JTFs will provide a monthly status report addressing the quantity of used-POLs and HAZWASTE at the hazardous waste storage area and any other relevant environmental issues. Critical items that pose an immediate threat to the health of U.S. Forces, Coalition Forces, or non-combatants will be reported immediately to the Component Commander, and the USCENTCOM Engineer and Surgeon.

(4) (U) Components /JTFs will provide a report to USCENTCOM Engineer on abandoned hazardous wastes. Hazardous wastes may be abandoned only if it is determined by the Component Commander to be necessary under combat or other hostile conditions. Quantity, type, and location of wastes abandoned must be reported as soon as practicable upon cessation of combat or hostile conditions. Abandonment does not necessarily imply dumping; it could consist of securing the waste for subsequent disposal as conditions allow.

(5) (U) Environmental reports will be distributed within the components as determined by the Component /JTF

Engineer, but should include legal and medical personnel, who require these reports in order to formulate policy and direction within the Component.

(6) (U) Components/JTFs will provide reports on the status of initial, interim, and final EBS.

c. (U) Environmental Baseline Surveys and final Environmental Condition Reports. Copies of the initial ~~(EBS), interim (as necessary based on duration and significant changes in operations), and final environmental condition reports~~EBS for a facility (e.g., sites and base camps) occupied by U.S. Forces shall be submitted to the USCENTCOM Engineer.

d. (U) Records Retention. Initial and final ~~Environmental Condition Reports~~Baseline Surveys, records and documents deemed important for later use in resolving potential environmental claims against the U.S. government, and other records and documents required to establish important "lessons learned" shall be archived by the Components for a period of not less than 3 years following the operation, or as determined by the Component. If not identified in an EBS, these environmental records and documents at a minimum shall include POL storage sites, firing ranges, spill locations, hazardous waste accumulation and storage sites, known DU sites and expended DU data, and significant solid waste disposal sites (especially burn pits). JTFs will submit their records to the Components during and as soon as practicable after completion of operations. As soon as practical after completion of the operation, the Components will forward a list of available archived records and documents to the appropriate U.S. Real Estate and Claims Offices, the combatant command, and applicable Executing Agents. Pesticide application records shall be transmitted through the Component Surgeon for review and transmission to the USA Centers for Health Promotion and Prevention for archiving.

e. (U) Joint Environmental Management Board (JEMB).

(1) (U) Headed by the CENTCOM J4 with senior members from component commands and JTFs. The staff proponent will be USCENTCOM J4-E.

(2) ~~(S/REL USA CDR AUSMCFI)~~ The JEMB monitors and coordinates major environmental actions. The JEMB evaluates

| and reconciles Ceomponent/JTF requests for environmental support, use of environmental assets, inter-Service support, hazardous waste disposal, and environmental assessment of planned actions. One of the more difficult factors will be the management of wide area decontamination. Although wide area decontamination is not a specific engineer task, there is recognition that enemy actions may create a need to decontaminate ports and airfields. All eComponents/JTFs are advised to assess their emergency-wide area decontamination capabilities in the event they are called upon by the JEMB to perform the mission.

(3) (U) See Appendix 3 to this Annex for JEMB duties, activities and procedures.

~~TOMMY R. FRANKS~~
~~General, USA~~
~~Commander~~

Appendices

- 1 -- Environmental Assessments
- 2 -- Environmental Assessment Exemptions
- 3 -- Joint Environmental Management Board

OFFICIAL:

| WILLIAM E. MORTENSEN
Major General, USA
Director of Logistics

CCJ4-E Issue Paper
Depleted Uranium (DU) in ITO

Issue: (U) Depleted Uranium (DU) munitions pose a minimal risk to health. The use of DU munitions is controversial with environmental activists and in the news media.

Background: ~~(S)~~

- History. (U)
 - DU Munitions were first used during DESERT STORM (1991) and again in Kosovo.
 - DU emits 40% of the radiation of naturally occurring uranium.
 - Heavy metal toxicity due to inhalation is a minimal risk.
 - Soldiers who survived friendly fire incidents in 1991, some with embedded DU shrapnel, show no DU related ill effects.
 - Numerous studies, including United Nations Environment Program (UNEP) and The Royal Society (UK) support the “minimal risk” conclusion.
- Guidance Received. ~~(S)~~
 - SECDEF 15 Nov 02 memorandum directed DoD to remove and/or properly dispose of DU.
 - CJCS 2 Dec 02 memorandum affirms that “... our forces ... will take appropriate measures to mitigate the uncertainty of post-contingency DU munitions locations.”
- ITO Actions. ~~(S)~~
 - Annex L of OPORD 1003V directs components to:
 - Track and record locations, types, and quantities of DU munitions fired during operations or for training.
 - Record DU-destroyed equipment locations.
 - Control stocks of DU munitions and ensure proper disposal.
 - Participating in DOD working group to address/monitor proper disposal/actions wrt DU.

Way Ahead: (U) Continue to raise awareness and ensure compliance with DU munitions policy guidance.

Recommended comments: (U) DU does not pose a health threat to either coalition forces or the Iraqi population. However, CENTCOM is taking prudent actions to minimize the residual DU that some might perceive to be a health threat.

APPROVED BY: _____

Dennis K. Jackson
Major General, USA
Director of Logistics

PREPARED BY: _____

(b)(6)

CCJ4-E, (b)(6)

3 May 03



UNITED STATES CENTRAL COMMAND
OFFICE OF THE COMMANDER IN CHIEF
7115 SOUTH BOUNDARY BOULEVARD
MACDILL AIR FORCE BASE, FLORIDA 33621-5101

CCJ4

20 October 2003

MEMORANDUM FOR Director for Logistics, Joint Staff, Washington, DC 20318-0300

SUBJECT: Depleted Uranium Usage, Operation IRAQI FREEDOM (OIF)

1 (U) References:

- a. Memorandum, JS Vice Director, 9 Sep 03, Subject: Request for Information on Depleted Uranium Usage, Operation IRAQI FREEDOM (OIF).
- b. Message, USCENTCOM, 111144Z AUG 03, Subject: Accounting for Depleted Uranium (DU) Munitions/ Equipment Destroyed By DU Munitions.

2. (U) Per reference 1.a., CENTCOM directed that components account for the storage, expenditure, removal, and destruction of all munitions and equipment containing depleted uranium (DU), including the locations of both training and combat expenditures, as well as information regarding the handling and disposition of DU-contaminated equipment during Operation IRAQI FREEDOM (OIF). CENTCOM made the request by message, reference (b) The enclosed reports provide the responses from ARCENT, CENTAF, and MARCENT. NAVCENT and SOCCENT did not expend any Depleted Uranium munitions.

3. (U) Both ARCENT and MARCENT noted the difficulty in "tracking" the latitude and longitude of individual DU rounds fired during ground combat. With this in mind, the information provided is general latitudes and longitudes of battle areas; DU rounds may have impacted anywhere within these areas. A summary of data provided to date is provided in Enclosure 1.

4. (U)CENTCOM's point of contact is

(b)(6)	(b)(6)
(b)(6)	(b)(6)

4 Encls

- 1. (U) CENTCOM Data Summary
- 2. (U) ARCENT's DU Usage During OIF
- 3. (S) CENTAF's DU Usage During OIF
- 4. (U) MARCENT's DU Usage During OIF

for
WILLIAM E. MORTENSEN
 Major General, USA
 Director of Logistics

Classified by: MG W. E. Mortensen for 1.5(d)
Declassify on: X6

P 151300Z OCT 03
FM COMCFLCC DOHA KUWAIT KU//C3
TO RUCAACC/HQ USCENTCOM MACDILL AFB FL//CCJ4/SUPR//
RUEASRT/HQS FORT MCPHERSON GA//WATCH//
INFO RUEADWD/DA WASHINGTON DC//AOS CAT//
RUFDAVC/CDRVCORPS HEIDELBURG GE
ZEN/CDRCJTF7 CP VICTORY IZ//J3//
RUERSWA/CDR3DINDIV (M) FT STEWART GA//G3//
BT
UNCLASS
OPER/IRAQI FREEDOM//
MSGID/GENADMIN/COMCFLCC DOHA KU/DK//
SUBJ/CFLCC RESPONSE TO ACCOUNTING FOR DEPLETED URANIUM (DU)//
/MUNITIONS AND EQUIPMENT DESTROYED BY DU MUNITIONS//
REF/A/AR 700-48//
REF/B/DA PAM 700-48//
REF/C/MSG/COMCFLCC/191415ZDEC02//
REF/D/MSG/USCENTCOM/111144ZAUG03//
REF/E/MSG/COMUSARCENT/221332ZAUG03//
REF/F/E-MAIL/GROUND OPERATIONS 1/141449ZSEP03//
REF/G/DOC/COMCFLCC/15 SEPTEMBER 2003//
REF/H/EXCEL SPREADSHEET/3ID/14 OCTOBER 2003//
REF/I/DOC/COMCFLCC/15 OCTOBER 2003//
NARR/REF A IS AR 700-48, WHICH OUTLINES PROCEDURES FOR HANDLING AND
RECOVERING EQUIPMENT CONTAMINATED WITH RADIATION. REF B IS THE DA
PAM OUTLINING PROCEDURES FOR HANDLING DU CONTAMINATED ITEMS. REF C
IS THE 19 DEC 02 COMCFLCC MESSAGE DIRECTING UNITS ANTICIPATED TO
PARTICIPATE IN 1003V OPERATIONS TO TRACK THE USE OF DEPLETED URANIUM
MUNITIONS. REF D IS A USCENTCOM MSG DIRECTING THE REPORTING OF
DEPLETED URANIUM MUNITIONS USAGE TO CCJ4-E AND THE FORMAT USED FOR
REPORTING. REF D ALSO PROMULGATES THE COMCFLCC GUIDANCE IN DU
MUNITIONS REPORTING AS THE ARMY SERVICE COMPONENT
COMMANDER. AS THE ASCC AND LAND FORCES COMMANDER DURING PHASE III
OF OIF, COMUSARCENT HAS TASKING AUTHORITY OVER CJTF-7 REGARDING THIS
MATTER. REF E IS A COMUSARCENT MSG DIRECTING SUBORDINATE UNITS
DURING OIF PHASES I-III TO REPORT DU USAGE AND DISPOSITION. REF F IS
AN E-MAIL THAT WAS SENT WITH TWO SETS OF ZIP FILES PROVIDING ALL OF
THE DATA THAT HAS CURRENTLY BEEN COLLECTED FROM CFLCC AND CJTF-7.
REF G IS THE EXECUTIVE SUMMARY TO CENTCOM MESSAGE 111144Z AUG 03.
REF H IS THE CONSOLIDATED INFORMATION PROVIDED BY 3ID. REF I IS THE
COMPLETED EXECUTIVE SUMMARY WITH 3ID INPUT TO CENTCOM MESSAGE
111144Z AUG 03.//
RMKS/1. THIS MESSAGE PROVIDES THE CFLCC RESPONSE ON ACCOUNTING FOR
DEPLETED URANIUM (DU) MUNITIONS AND EQUIPMENT DESTROYED BY DU
MUNITIONS.
2. REF G SENT TO (b)(3), (b)(6), THE ALTERNATE POC, SERVED AS THE
INTERIM REPORT PENDING INPUT FROM 3RD INFANTRY DIVISION.
3. REF I IS A COMPLETED SUMMARY PROVIDED TO ANSWER THE QUESTIONS
CONTAINED IN REF D. THE SUMMARY WILL ACT AS THE OFFICIAL RESPONSE
FOR THE ACCOUNTING OF DU MUNITIONS AND EQUIPMENT DESTROYED BY DU.
4. POINTS OF CONTACT ARE (b)(3), (b)(6) OR (b)(3), (b)(6)
(b)(3), (b)(6), CFLCC, C3 GROUND OPERATIONS, DSN (b)(6), EMAIL:
CFLCC/3A-FWD-C3 GRD OPS 1//
BT

STEPHEN M. SPEAKES
MG, USA
DEPUTY COMMANDING GENERAL, OPERATIONS

OAASZYUW RUEOEGA2031 0632117-SSSS--RUCAACC.

ZNY SSSSS

O 041700Z MAR 03

FM COMCFLCC DOHA KUWAIT KU//C3//

TO RUCAACC/CDR USCENTCOM MACDILL AFB FL//CCJ4-E//

RUEASRT/COMCFLCC HQS FT MCPHERSON GA//WATCH//

ZEN/COMCFLCC DOHA KUWAIT KU//C3/C4//

BT

~~SECRET~~

OPER/ENDURING FREEDOM//

MSGID/GENADMIN/COMCFLCC DOHA KUWAIT KU/0631700/MAR/PGH//

SUBJ/EXPENDITURE OF DEPLETED URANIUM (DU) MUNITIONS (U)//

REF/A/CENTCOM MSG DTG 262134Z FEB 03//

AMPN/ (S) REF A IS A REQUEST FROM CENTCOM TO REPORT EXPENDITURE OF DU MUNITIONS DURING OEF.

RMKS/1. (S) TANK BATTALIONS AND CAVALRY SQUADRONS ASSIGNED TO CFLCC IN SUPPORT OF OPLAN 1003V ARE FIRING DU SERVICE ROUNDS (DODIC C380) TO SCREEN THEIR 120MM MAIN GUNS. KUWAITI TANK BATTALIONS EQUIPPED WITH M1A2S ARE ALSO FIRING DU MUNITIONS (C786).

2. (S) DURING SCREENING OPERATIONS AND TRAINING IN FEBRUARY, CFLCC AND KUWAITI UNITS FIRED A TOTAL OF 1.4(a) ROUNDS OF C380 AND 1.4(a) ROUNDS OF C786. SCREENING OPERATIONS FOR US AND BRITISH TANKS WILL CONTINUE THROUGH MARCH AND MID-APRIL. ALL DU ROUND EXPENDITURES ARE TRACKED, RECORDED AND REPORTED DAILY.

3. (S) THE GOVERNMENT OF KUWAIT APPROVED DU FIRING ON RANGE 1.4(a) UDAIR I RANGE COMPLEX FOR ALL COALITION FORCES. AN ARMY CONTAMINATED EQUIPMENT RETROGRADE TEAM (ACERT) IS IN KUWAIT TO RECOVER AND PROPERLY DISPOSE OF ALL DU MUNITIONS EXPENDED ON RANGE 1.4(a) AT THE COMPLETION OF DU FIRING.

4. (U) POC IS CFLCC C3 TRAINING (b)(3), (b)(6), SIPR:

(b)(3), (b)(6) NIPR:
(b)(3), (b)(6) DSN: (b)(6) //

DECL/04MAR13//

ACKNOWLEDGE

BT

#2031

NNNN

Received from AUTODIN 042114Z MAR 03

\\amhs_pri\TELOS\DATA\feed\2003\general\r063\211431.304

O 161630ZAUG 03

FM COMCFLCC DOHA KUWAIT KU//C3//

TO RUFDAVC/CDRVCORPS HEIDELBERG GE

RUERSWA/CDR3ID FT STEWART GA//G3//

ZEN/CDR 377THTSC DOHA KUWAIT KU//G3/3D ID//

ZEN/COMUSARCENT DOHA KUWAIT KU//G3-NBC/G4//G2//G7

INFO RUCAACC/CDRUSCENTCOM MACDILL AFB FL//CCJ3//

RUEASRT/COMCFLCC HQS FT MCPHERSON GA//WATCH//

BT

~~SECRET~~

MSGID/COMCFLCC DOHA KUWAIT KU/DJD//

SUBJ/CFLCC OPOD 03-039, DEPLETED URANIUM TRACKING (U)//

/AND REPORTING GUIDANCE (U)//

REF/A/MSG/USCENTCOM/052132ZFEB02//

REF/B/AR 700-48//

REF/C/DA PAM 700-48//

REF/D/MSG/COMCFLCC/191415ZDEC02//

REF/E/MSG/USCENTCOM/111144ZAUG03//

NARR/(U) REF A IS A CENTCOM MESSAGE REQUIRING COMPONENTS TO VERIFY WHETHER FORCES UNDER THEIR CONTROL EXPENDED MUNITIONS CONTAINING DEPLETED URANIUM. REF B IS AR 700-48, WHICH OUTLINES PROCEDURES FOR HANDLING AND RECOVERING EQUIPMENT CONTAMINATED WITH RADIATION. REF C IS THE DA PAM OUTLINING PROCEDURES FOR HANDLING DU CONTAMINATED ITEMS. REF D IS THE 19 DEC 02 COMCFLCC MESSAGE DIRECTING UNITS ANTICIPATED TO PARTICIPATE IN 1003V OPERATIONS TO TRACK THE USE OF DEPLETED URANIUM MUNITIONS. REF E IS A USCENTCOM MSG DIRECTING THE REPORTING OF DEPLETED URANIUM MUNITION USAGE TO CCJ4-E AND THE FORMAT USED FOR REPORTING. THIS FRAGO PROMULGATES THE COMCFLCC GUIDANCE IN DU MUNITIONS REPORTING AS THE ARMY SERVICE COMPONENT COMMANDER.//

RMKS/1. (U) SITUATION. SEE CURRENT INTSUM AND SITREP.

2. ~~(S)~~ MISSION. EFFECTIVE IMMEDIATELY, COMUSARCENT, AS THE ASCC AND CJTF-7 COMMANDER DURING PHASE III OF OPERATION IRAQI FREEDOM, ESTABLISHES STANDARDS FOR TRACKING AND REPORTING THE USE OF DU MUNITIONS, LOSS OF DU WEAPONS SYSTEMS, AND DISPOSITION OF DU CONTAMINATED VEHICLES AND EQUIPMENT, BOTH FRIENDLY AND ENEMY, IN THE IRAQ/KUWAIT THEATER OF OPERATIONS.

3. (U) EXECUTION.

3.A. (U) COMMANDER'S INTENT. THE USE AND DISPOSITION OF DU MUNITIONS AND DU CONTAMINATED EQUIPMENT HAS AN IMMEDIATE EFFECT ON THE SAFETY OF OUR SERVICE MEMBERS AND INTERNATIONAL RAMIFICATIONS WITH OUR COALITION PARTNERS. AS STATED IN THE 19 DEC 02 MESSAGE, IT IS IMPERATIVE UNITS PROVIDE ACCURATE INFORMATION REGARDING THE DISPOSITION OF THIS EQUIPMENT AND AMMUNITION.

IAW THE CENTCOM COMMANDER'S GUIDANCE, THE INTENT IS TO BE ABLE TO RELEASE AS MUCH OF THIS INFORMATION TO THE PUBLIC AS POSSIBLE. THESE REPORTS ARE IMPORTANT HISTORICAL DOCUMENTS THAT WILL HAVE LONG-TERM OPERATIONAL RAMIFICATIONS.

3.B. ~~(S)~~ CONCEPT OF OPERATIONS. UNITS SUBORDINATE TO CFLCC DURING PHASE III OPERATIONS OF OPERATION IRAQI FREEDOM, V CORPS AND I MEF, WILL COMPILE REPORTS ON DU MUNITIONS USAGE AND DISPOSITION OF DU CONTAMINATED EQUIPMENT IAW THE REPORT FORMAT FOUND IN COORDINATING INSTRUCTIONS. CFLCC-C3 GROUND OPERATIONS WILL COMPILE DATA AND SUBMIT A REPORT TO CENTCOM THROUGH THE CFLCC-C3.

3.C. (U) TASKS TO SUBORDINATE UNITS/STAFF.

3.C.1. (U) V CORPS/CJTF-7.

3.C.1.A. (U) REPORT TO CFLCC-C3 GROUND OPS TOTAL DU EXPENDITURES FOR EACH WEAPONS SYSTEM INCLUDING ABRAMS M1 120MM & 105MM AND BRADLEY FIGHTING VEHICLES (M2/M3).

3.C.1.B. (U) REPORT TO CFLCC, C3 GROUND OPS ALL DU SURFACE AND AIR ENGAGEMENT LOCATIONS (LAT/LONG) AND QUANTITY EXPENDED. SUPPORTING DOCUMENTATION MAY INCLUDE LOCATION OF KILL BOXES, AMMO LOGS, MISSION DEBRIEFS, ETC.

3.C.1.C. (U) IDENTIFY AND REPORT TO CFLCC-C3 GROUND OPS ALL FRIENDLY LOSSES INVOLVING DU, BY WEAPONS SYSTEM AND INCLUDING THE STATUS OF ANY DU MUNITIONS ON BOARD.

3.C.1.D. (U) IDENTIFY AND REPORT DU WEAPONS SYSTEMS LOST DUE TO HOSTILE FIRE, FRIENDLY FIRE, ACCIDENTAL FIRES, ETC.

3.C.2. (U) 3ID.

3.C.2.A. (U) REPORT TO CFLCC-C3 GROUND OPERATIONS TOTAL DU EXPENDITURES FOR EACH WEAPONS SYSTEM INCLUDING ABRAMS M1 120MM & 105MM AND BRADLEY FIGHTING VEHICLES (M2/M3).

3.C.2.B. (U) REPORT TO GROUND OPS ALL DU SURFACE AND AIR ENGAGEMENT LOCATIONS (LAT/LONG) AND QUANTITY EXPENDED. SUPPORTING DOCUMENTATION MAY INCLUDE LOCATION OF KILL BOXES, AMMO LOGS, MISSION DEBRIEFS, ETC.

3.C.2.C. (U) IDENTIFY AND REPORT TO CFLCC-C3 GROUND OPS ALL FRIENDLY LOSSES INVOLVING DU, BY WEAPONS SYSTEM AND INCLUDING THE STATUS OF ANY DU MUNITIONS ON BOARD.

3.C.2.D. (U) IDENTIFY AND REPORT DU WEAPONS SYSTEMS LOST DUE TO HOSTILE FIRE, FRIENDLY FIRE, ACCIDENTAL FIRES, ETC.

3.C.3. (U) CFLCC C3 GROUND OPERATIONS. SERVE AS THE SINGLE POC FOR CFLCC. COLLECT AND COMPILE ALL INFORMATION FROM RESPECTIVE STAFF ELEMENTS INTO A SINGLE REPORT.

3.C.4. (U) CFLCC C3 TRAINING. REPORT TO CFLCC C3 GROUND OPS LOCATION (NAME, LAT/LONG) OF ALL TRAINING RANGES WHERE DU MUNITIONS WERE FIRED AND TYPE/QUANTITY OF MUNITIONS FIRED.

3.C.5. (U) CFLCC C4. REPORT TO CFLCC C3 GROUND OPS THE FOLLOWING INFORMATION:

3.C.5.A. (U) TOTAL QUANTITIES OF DU MUNITIONS SHIPPED TO THEATER, SHIPPED OUT OF THEATER, STOCKPILED IN THEATER, UNACCOUNTED FOR, OR DESTROYED. IF DESTROYED OR BURIED, PROVIDE DATE, UNIT, AND LOCATION (LAT/LONG). IF DESTROYED, INCLUDE METHOD OF DESTRUCTION.

3.C.5.B. (U) LOCATION (NAME, LAT/LONG) AND QUANTITY OF PAST AND CURRENT DU STOCKPILES.

3.C.5.C. (U) DISPOSAL OF DU-CONTAMINATED EQUIPMENT. INCLUDE LOCATION OF STORAGE YARDS FOR CAPTURED OR RECOVERED ENEMY EQUIPMENT. INCLUDE DISCUSSION OF ANY ENVIRONMENTAL MONITORING FOR CONTAMINATED EQUIPMENT, DISPOSAL SITES, AND ANY LONG-TERM MONITORING /SITE CONTROL PLANS. INCLUDE QUANTITIES, TYPES, AND LOCATION (LAT/LONG) OF ENEMY DU MUNITIONS, IF ANY.

3.C.6. (U) CFLCC-FSE. REPORT TO C3 GROUND OPS ALL DU SURFACE ENGAGEMENT LOCATIONS (LAT/LONG) AND QUANTITY EXPENDED. SUPPORTING DOCUMENTATION MAY INCLUDE LOCATION OF KILL BOXES, AMMO LOGS, MISSION DEBRIEFS, ETC.

3.C.7. (U) CFLCC SJA. IDENTIFY AND REPORT TO C3 GROUND OPS ALL FRIENDLY-FIRE INCIDENTS INVOLVING DU AND REFER RELATED INVESTIGATIVE REPORTS.

3.D. (U) COORDINATING INSTRUCTIONS.

3.D.1. (U) REPORTS ARE DUE TO CFLCC C3, GROUND OPS NLT 091200ZSEP03. REPORT IS DUE TO CENTCOM CCJ-4E NLT 15 SEP 03.

3.D.2. (U) REPORT REQUIREMENTS/FORMAT.

3.D.2.A. (U) TOTAL QUANTITIES OF DU SHIPPED TO THEATER, SHIPPED OUT OF THEATER, STOCKPILED, UNACCOUNTED FOR, OR DESTROYED. IF DESTROYED OR BURIED, PROVIDE DATE, UNIT, AND LOCATION (LAT/LONG). IF DESTROYED, INCLUDE METHOD OF DESTRUCTION.

3.D.2.B. (U) LOCATION (NAME, UNIT, LAT/LONG) AND QUANTITY OF PAST AND CURRENT DU STOCKPILES.

3.D.2.C. (U) LOCATION (NAME, LAT/LONG) OF ALL TRAINING RANGES WHERE DU MUNITIONS WERE FIRED AND TYPE/QUANTITY OF MUNITIONS FIRED.

3.D.2.D. (U) TOTAL DU EXPENDITURES FOR EACH WEAPON SYSTEM INCLUDING: ABRAMS M1 120MM AND 105MM AND BRADLEY FIGHTING VEHICLE (M2/M3).

3.D.2.E. (U) DU SURFACE AND AIR ENGAGEMENT LOCATIONS (LAT/LONG) AND QUANTITY EXPENDED. SUPPORTING DOCUMENTATION MAY INCLUDE LOCATION OF KILL BOXES, AMMO LOGS, MISSION DEBRIEFS, ETC.

3.D.2.F. (U) IDENTIFICATION OF ALL FRIENDLY LOSSES INVOLVING DU, BY WEAPONS SYSTEM AND INCLUDING THE STATUS OF ANY DU MUNITIONS ON-BOARD.

3.D.2.G. (U) DU WEAPON SYSTEMS LOST DUE TO HOSTILE FIRE, FRIENDLY FIRE, ACCIDENTAL FIRES, ETC.

3.D.2.H. (U) FRIENDLY-FIRE INCIDENTS INVOLVING DU AND RELATED INVESTIGATIVE REPORTS.

3.D.2.I. (U) DISPOSAL OF DU CONTAMINATED EQUIPMENT. INCLUDE LOCATION OF STORAGE YARDS FOR CAPTURED OR RECOVERED ENEMY EQUIPMENT. INCLUDE DISCUSSION OF ANY ENVIRONMENTAL MONITORING FOR CONTAMINATED EQUIPMENT, DISPOSAL SITES, AND ANY LONG TERM MONITORING/SITE CONTROL PLANS. INCLUDE QUANTITIES, TYPE, AND LOCATION (LAT/LONG) OF ENEMY DU MUNITIONS, IF ANY.

3.E. (U) UNITS WILL MAINTAIN AND UPDATE REPORT AS OPERATIONS IN IRAQ AND KUWAIT CONTINUE.

3.F. (U) PROVIDE REPORT OF DU USAGE DURING OIF IN SUITABLE FORMAT INCLUDING EXECUTIVE SUMMARY, DISCUSSION, MAPS, AND SUPPORTING DOCUMENTATION PROVIDE DIGITAL AND BOUND, PRINTED COPY. THE REPORT IS TO BE UNCLASSIFIED. DATA THAT CANNOT BE DECLASSIFIED MAY BE INCLUDED IN A SMALL CLASSIFIED ANNEX TO THE REPORT. HOWEVER, THE INTENT IS TO MAXIMIZE INFORMATION AVAILABLE FOR PUBLIC DISCLOSURE.

4. (U) SERVICE SUPPORT. N/A.

5. (U) COMMAND AND SIGNAL. N/A.

6. (U) CFLCC POC IS CFLCC C3 CHOPS, AT DSN: [REDACTED] (b)(6). CENTCOM POC IS CCJ4 POC IS [REDACTED] (b)(3), (b)(6), USCENTCOM ENVIRONMENTAL OFFICER, AT DSN [REDACTED] (b)(6) [REDACTED] (b)(6) EMAIL: [REDACTED] (b)(3), (b)(6). CJTF-7 POC IS _____. 3ID POC IS _____.

DECL//16AUG13//
BT

[REDACTED] (b)(3), (b)(6)
C3, CHIEF OF OPERATIONS

PAAUZYUW RUCAACC7474 1322008-UUUU--RUCAACC.

ZNR UUUUU

P 121919Z MAY 03

FM HQ USCENTCOM MACDILL AFB FL

TO RUEOEGA/CFLCC DOHA KUWAIT KU//C3//

RUEOBBA/COMUSCENTAF SHAW AFB SC//A3//

RUHEHMS/COMUSMARCENT//G3//

RHSDAAA/COMCFSOC//J3//

RHRVAKS/COMUSNAVCENT//N3//

INFO RUCAACC/CDR USCENTCOM MACDILL AFB FL//CCJ3/CCJ4//

RUEKJCS/JOINT STAFF WASHINGTON DC//DJS//

RHMFIIU/CDRUSACHPPM ABERDEEN PROVING GROUND MD

RUEKJCS/OSD WASHINGTON DC//DHS/IE//

BT

UNCLAS

SUBJ:ACCOUNTING FOR DEPLETED URANIUM(DU) MUNITIONS AND ENEMY EQUIPMENT DESTROYED BY DU MUNITIONS (U) OPER/IRAQI FREEDOM//

MSGID/ADMIN/CDRUSCENTCOM//

REF/A/OPLAN/CDRUSCENTCOM/27 FEB 03//

AMPN/ (S/REL USA GBR AUS) OPLAN 1003V-COMBAT OPERATIONS IN IRAQ

THEATER OF OPERATIONS.//

REF/B/ORDER/CDRUSCENTCOM/131720Z MAR 03//

AMPN/(S/REL USA GBR AUS) CFC OPOD 09: CFC OPERATIONS IN THE IRAQ

THEATER OF OPERATIONS.//

REF/C/MEMORANDUM/DEPSECDEF/28 MAR 03//

AMPN/ (U) SUBJ: MANAGEMENT OF EQUIPMENT CONTAMINATED WITH DEPLETED URANIUM OR RADIOACTIVE COMMODITIES.//

REF/D/AR 700-40/HQDA//

AMPN/ (U) MANAGEMENT OF EQUIPMENT CONTAMINATED WITH DEPLETED URANIUM OR RADIOACTIVE COMMODITIES.//

REF/E/DA PAM 700-40/HQDA//

AMPN/ (U) HANDLING PROCEDURES FOR EQUIPMENT CONTAMINATED WITH DEPLETED URANIUM OR RADIOACTIVE MATERIALS.//

TIMEZONE/Z//

NARR/(U) REFS A AND B REQUIRE COMPONENTS TO RECORD LOCATIONS, TYPES AND QUANTITIES OF DU MUNITIONS FIRED DURING OPERATIONS OR FOR TRAINING, AS WELL AS LOCATIONS WHERE DU-

DESTROYED EQUIPMENT IS COLLECTED OR BURIED. REF C REQUIRES ALL ELEMENTS OF THE DEPARTMENT OF DEFENSE TO IDENTIFY, COLLECT, ORGANIZE AND PRESERVE RECORDS PERTAINING TO USE OF DU MUNITIONS. REFS D AND E APPLY TO ARMY UNITS AND COMMANDS AMONG THE COMPONENTS AND SET DEPT OF THE ARMY HANDLING PROCEDURES FOR EQUIPMENT CONTAMINATED WITH DEPLETED URANIUM OR RADIOACTIVE MATERIALS. OTHER SERVICES MAY HAVE SIMILAR REGULATORY GUIDANCE. THIS MESSAGE OUTLINES DU-RELATED DATA TO BE COLLECTED AND PRESERVED BY COMPONENTS.//

GENTEXT/SITUATION/

1. CENTCOM COMPONENTS WILL MAINTAIN THE FOLLOWING RECORDS FOR HISTORICAL AND FUTURE RESEARCH PURPOSES.

1.A. (U) MAINTAIN RECORDS OF DU MUNITIONS INVENTORIES TO INCLUDE RECEIPT, ISSUE, EXPENDITURE, AND TURN-IN.

1.B. (U) MAINTAIN RECORDS OF AERIAL ENGAGEMENTS USING DU MUNITIONS TO INCLUDE AIR TASKING ORDER (ATO), GIS LOCATIONS (GPS UTM COORDINATES), DU EXPENDITURES, MISSION DEBRIEFS OF FLIGHT CREWS, AND GUN CAMERA RECORDS.

1.C. (U) MAINTAIN RECORDS RELATING TO ALL FRIENDLY FIRE INCIDENTS INVOLVING DU MUNITIONS TO INCLUDE GIS LOCATIONS (GPS UTM COORDINATES), IDENTIFICATION OF INVOLVED PERSONNEL, INVESTIGATIVE REPORTS, AND STATUS AND DISPOSITION OF DU MUNITIONS ON DESTROYED VEHICLES.

1.D. (U) MAINTAIN RECORDS RELATING TO ALL LOSSES OF FRIENDLY EQUIPMENT AND AI

RCRAFT CARRYING DU MUNITIONS TO INCLUDE GIS LOCATIONS (GPS UTM COORDINATES), IDENTIFICATION OF INVOLVED PERSONNEL, STATUS AND DISPOSITION OF DU MUNITIONS ON DESTROYED VEHICLES.

1.E. (U) MAINTAIN RECORDS OF ALL EQUIPMENT AND AIRCRAFT DESTROYED BY OR CONTAINING DU RESIDUE WHEN MOVED TO COLLECTION POINTS. RECORDS TO INCLUDE GIS LOCATION (GPS UTM COORDINATES) WHERE THE EQUIPMENT WAS DESTROYED AND LOCATION OF THE COLLECTION SITE.

1.F. (U) MAINTAIN RECORDS OF ALL MAINTENANCE ACTIVITIES INVOLVING DU MUNITION MISSFIRES, GUN BARREL REPLACEMENT, AND GUN SYSTEM REPLACEMENT. GENTEXT/SERVICE AND SUPPORT/

2. (U) POC IS (b)(3), (b)(6) USCENCOM ENVIRONMENTAL OFFICER, AT DSN (b)(6) (b)(6), EMAIL (b)(3), (b)(6).

BT

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Received from AUTODIN 122000Z MAY 03

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Page 1 redacted for the following reason:

Non responsive to the FOIA request

Approved for Release

RATUZYUW RUEOMFE2456 2231552-UUUU--RUEKAMH.
ZNR UUUUU ZUI RUEOMCF5088 2231553
R R 111144Z AUG 03
FM USCENTCOM MACDILL AFB FL//CCJ4-E//
TO RUCAACC/HQ USCENTCOM MACDILL AFB FL//CCJ4/SUPR//
RHSDAAC/COMCFSOC//J3//
ZEN/COMUSCENTAF SHAW AFB SC//A3//
ZEN/COMUSMARCENT
ZEN/COMUSNAVCENT//N3//
ZEN/COMUSARCENT (FWD) DOHA KU//C3//
ZEN/CDRCJTF7 DOHA KUWAIT KU//J3//
INFO RUCAACC/CDR USCENTCOM MACDILL AFB FL//CCJ3/CCJ4//
RUEKJCS/JOINT STAFF WASHINGTON DC//DJS//
RUEKJCS/OSD WASHINGTON DC//DHSE/IE//

BT

UNCLAS

QQQQ

SUBJ: ACCOUNTING FOR DEPLETED URANIUM (DU) MUNITIONS AND EQUIPMENT DESTROYED BY
DU MUNITIONS
UNCLASSIFIED//

UNCLAS

OPER/IRAQI FREEDOM//
MSGID/GENADMIN/CDRUSCENTCOM-//
SUBJ/ACCOUNTING FOR DU MUNITIONS/EQUIPMENT DESTROYED BY DU MUNITIONS//
REF/A/OPLAN/CDRUSCENTCOM/27FEB2003//
REF/B/ORDER/131720ZMAR2003/-//
REF/C/28MAR2003/-/-//
REF/D/AR 700-40/HQDA/-//
REF/E/DA PAM700-40/HQDA/-//
REF/F/MSG/USCENTCOM ACCOUNTING FOR DU MUN/121919ZMAY2003/TIMEZONEZ//
AMPN/REF A IS OPLAN-COMBAT OPERATIONS IN IRAQI THEATER OF OPERATIONS. REF B IS
CFC OPOD 09: CFC OPERATIONS IN THE IRAQI THEATER OF OPERATIONS. REF C IS SUBJ:
HISTORICAL RECORDS PERTAINING TO IRAQI. REF D IS MANAGEMENT OF EQUIPMENT
CONTAMINATED WITH DEPLETED URANIUM OR RADIOACTIVE COMMODITIES. REF E IS HANDLING
PROCEDURES FOR EQUIPMENT CONTAMINATED WITH DEPLETED URANIUM OR RADIOACTIVE
MATERIALS.//
NARR/REFS A AND B STATE REQUIREMENTS FOR COMPONENTS TO DOCUMENT DU USAGE. REF C
REQUIRES ALL ELEMENTS OF THE DEPARTMENT OF DEFENSE TO IDENTIFY, COLLECT ORGANIZE
AND PRESERVE RECORDS PERTAINING TO OPERATIONS IN IRAQ. REFS D AND E APPLY TO
ARMY UNITS AND COMMANDS AMONG THE COMPONENTS AND SET DEPT OF THE ARMY HANDLNG
PROCEDURES FOR EQUIPMENT CONTAMINATED WITH DEPLETED URANIUM OR RADIOACTIVE
MATERIALS. OTHER SERVICES MAY HAVE SIMILAR REGULATORY GUIDANCE. REF F OUTLINES
DU-RELATED DATA TO BE MAINTAINED BY COMPONENTS.//
RMKS/1. (U) CENTCOM COMPONENTS WILL PROVIDE THE FOLLOWING RECORDS TO CCJ4-E.
1.A. (U) TOTAL QUANTITIES OF DU SHIPPED TO THEATER, SHIPPED BACK, STOCKPILED,
UNACCOUNTED FOR OR DESTROYED. IF DESTROYED OR BURIED PROVIDE DATE, UNIT, AND
LOCATION (LAT/LONG). IF DESTROYED, INCLUDE METHOD OF DESTRUCTION.
1.B. (U) LOCATION (NAME, UNIT, LAT/LONG) AND QUANTITY OF PAST AND CURRENT DU
STOCKPILES.
1.C. (U) LOCATION (NAME, LAT/LONG) OF ALL TRAINING RANGES WHERE DU MUNITIONS
WERE FIRED, AND TYPE AND QUANTITY OF MUNITIONS FIRED.
1.D. (U) TOTAL DU EXPENDITURES FOR EACH WEAPON SYSTEM INCLUDING: ABRAMS M1
120MM AND 105MM, BRADLEY FIGHTING VEHICLE (M2/M3), A-10, AV-8B, AND PHALANX
CLOSE-IN WEAPON SYSTEM.

- 1.E. (U) DU SURFACE AND AIR ENGAGEMENT LOCATIONS (LAT/LONG) AND QUANTITY EXPENDED. SUPPORTING DOCUMENTATION MAY INCLUDE LOCATION OF KILL BOXES, AMMO LOGS, MISSION DEBRIEFS, ETC.
- 1.F. (U) IDENTIFICATION OF ALL FRIENDLY LOSSES INVOLVING DU, BY WEAPON SYSTEM AND INCLUDING THE STATUS OF ANY DU MUNITIONS ON-BOARD.
- 1.G. (U) DU WEAPON SYSTEMS LOST DUE TO HOSTILE FIRE, FRIENDLY FIRE, ACCIDENTAL FIRES, ETC.
- 1.H. (U) FRIENDLY-FIRE INCIDENTS INVOLVING DU AND RELATED INVESTIGATIVE REPORTS.
- 1.I. (U) DISPOSAL OF DU-CONTAMINATED EQUIPMENT. INCLUDE LOCATION OF STORAGE YARDS FOR CAPTURED OR RECOVERED ENEMY EQUIPMENT. INCLUDE DISCUSSION OF ANY ENVIRONMENTAL MONITORING FOR CONTAMINATED EQUIPMENT, DISPOSAL SITES, AND ANY LONG-TERM MONITORING/SITE-CONTROL PLANS. INCLUDE QUANTITIES, TYPE AND LOCATION (LAT/LONG) OF ENEMY DU MUNITIONS IF ANY.
- 1.J. (U) A-10/HARRIER MISFIRES RESULTING IN THE NEED TO REPLACE EITHER A GUN BARREL OR THE ENTIRE GUN SYSTEM (DATE, UNIT, LOCATION, ACTION TAKEN).
- 1.K. (U) PUBLIC AFFAIRS/CIVIL AFFAIRS GUIDANCE ON AVOIDING POTENTIAL HAZARDS OF DU AND OTHER WAR MATERIAL.

GENTEXT/SERVICE AND SUPPORT/

2. (U) COMPILER AND SUMMARIZE RECORDS. PROVIDE REPORT OF DU USAGE DURING OIF IN SUITABLE FORMAT INCLUDING EXECUTIVE SUMMARY, DISCUSSION, MAPS, AND SUPPORTING DOCUMENTATION. PROVIDE DIGITAL AND BOUND PRINTED COPY. REPORT TO BE UNCLASSIFIED. DATA THAT CAN NOT BE DECLASSIFIED MAY BE INCLUDED IN A SMALL CLASSIFIED ANNEX TO THE REPORT. HOWEVER, THE INTENT IS TO MAXIMIZE INFORMATION AVAILABLE FOR PUBLIC DISCLOSURE. REPORT IS DUE NLT 15 SEP 03.

3. (U) CONTINUE TO MAINTAIN AND COLLECT RECORDS AS OPERATIONS CONTINUE.

4. (U) THESE RECORDS ARE OF ENDURING HISTORICAL SIGNIFICANCE AND WILL PROVIDE THE BASIS FOR THE PREPARATION OF STUDIES AND ANALYSES OF POLICIES, PLANS, OPERATIONS, TECHNOLOGY, LOGISTICS, AND PERSONNEL THAT MAY HAVE INVALUABLE BENEFITS FOR THE NATIONAL DEFENSE. IT IS THEREFORE OF THE UTMOST IMPORTANCE THAT WE PRESERVE THE EXPERIENCE PERTAINING TO IRAQ AND DERIVE FROM IT INFORMATION AND LESSONS THAT CAN BE APPLIED IN PLANNING, SHAPING, AND IMPLEMENTING THE NATIONAL DEFENSE IN THE FUTURE.

5. (U) THIS IS A COORDINATED CCJ3/J4 MESSAGE. CCJ4 POC IS (b)(3), (b)(6), USCENTCOM ENVIRONMENTAL OFFICER, AT DSN (b)(6), EMAIL (b)(3), (b)(6) SECONDARY CCJ4 POC IS (b)(3), (b)(6), STAFF OFFICER, AT DSN (b)(6), EMAIL

(b)(3), (b)(6) //

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COPY__OF__COPIES
HQ, CJTF-7
CAMP VICTORY, IRAQ
232050AUG03
ROUTINE (GREEN)

(U) FRAGO 739 [ACCOUNTING FOR DEPLETED URANIUM (DU) MUNITIONS AND EQUIPMENT DESTROYED BY DU MUNTIONS] TO CJTF-7 C4 OPOD 03-036

(U) THIS FRAGO HAS BEEN REVIEWED AND APPROVED FOR RELEASE BY COL RADCLIFFE CJTF-7 CHOPS.

(U) **SUBJ: ACCOUNTING FOR DEPLETED URANIUM (DU) MUNITIONS AND EQUIPMENT DESTROYED BY DU MUNTIONS**

(U) REFERENCES: [CHANGE]

A. (U) CFLCC OPOD 03-039, DEPLETED URANIUM TRACKING.

B. (U) USCENTCOM MESSAGE 111144ZAUG03

C. (U) AR 700-48, HANDLING PROCEDURES FOR EQUIPMENT CONTAMINATED WITH DEPLETED URANIUM OR RADIOACTIVE COMMODITIES, 16 SEP 02

D. (U) DA PAM 700-48, HANDLING PROCEDURES FOR EQUIPMENT CONTAMINATED WITH DEPLETED URANIUM OR RADIOACTIVE COMMODITIES, 27 SEP 02

E. (U) FRAGO 627 [RADIOLOGICAL SOURCE MATERIAL IN IRAQ] TO CJTF-7 OPOD 03-036

(U) MAPS: [NO CHANGE]

(U) TIME ZONE USED THROUGHOUT THIS ORDER: DELTA

(U) TASK ORGANIZATION: [NO CHANGE]

1. ~~(S//REL TO USA and MCFI)~~ SITUATION [CHANGE] THE USE AND DISPOSITION OF DU MUNITIONS AND DU CONTAMINATED EQUIPMENT HAS AN IMMEDIATE EFFECT ON SAFETY OF OUR SERVICE MEMBERS AND INTERNATIONAL RAMIFICATION WITH OUR COALITION PARTNERS. IT IS IMPERATIVE UNITS PROVIDE ACCURATE INFORMATION REGARDING THE DISPOSITION OF THIS EQUIPMENT AND AMMUNITION. THESE REPORTS ARE IMPORTANT HISTORICAL DOCUMENTS THAT WILL HAVE LONG-TERM OPERATIONAL RAMIFICATIONS. THE INTENT IS TO BE ABLE TO RELEASE AS MUCH OF THIS INFORMATION TO THE PUBLIC AS POSSIBLE. COMPILED REPORTS WILL BE FORWARDED TO CFLCC C3.

1.A. (U) THE ARMY CONTAMINATED EQUIPMENT RETROGRADE TEAM (ACERT) IS THE LEAD AGENCY FOR RETROGRADE OF CONTAMINATED U.S. EQUIPMENT FROM THE OIF THEATER OF OPERATIONS.

2. (U) MISSION. [NO CHANGE]

3. (U) EXECUTION. [CHANGE]

3.A. (U) COMMANDER'S INTENT [NO CHANGE]

3.B. (U) CONCEPT OF THE OPERATION. [NO CHANGE]

3.C. (U) TASKS TO SUBORDINATE UNITS AND STAFF. [CHANGE]

3.C.1. (U) **ALL MSC (1AD, 4ID, 3ACR, 101ST AA, VCA, 82ND AB) and SEPARATES**

3.C.1.A. (U) EFFECTIVE IMMEDIATELY, ALL UNIT COMMANDERS WILL BEGIN COLLECTING AND SUBMITTING REPORTS TO THE CJTF-7, C4 AMMO SECTION AND THE 19TH SC MUNITIONS DIVISION. UNITS REPORT IAW WITH THE REPORTING FORMAT LISTED BELOW. REPORTS WILL BE CONSOLIDATED AT THE MSC/SEPARATE LEVEL FIRST BEFORE SUBMITTING UP AND ARE DUE TO CJTF-7, C4 AMMO SECTION NLT **051800DSEP03** WITH THE EXCEPTION OF PARA 3.B.1.B.1. AND 3.B.1.B.2. LISTED BELOW WHICH WILL BE REPORTED TO THE 3CC, 19TH SC MUNITIONS DIVISION NLT **051800DSEP03**.

3.C.1.B (U) REPORT REQUIREMENTS/FORMAT.

3.C.1.B.1. (U) TOTAL QUANTITIES OF DU RECEIVED DURING ABL UPLOAD BY TYPE (BEGINNING BALANCE), TURNED BACK IN, STOCKPILED, UNACCOUNTED FOR OR DESTROYED. IF DESTROYED OR BURIED PROVIDE DATE UNIT, AND LOCATION (GRID). IF DESTROYED, INCLUDE METHOD OF DESTRUCTION. DAO'S AND AMMUNITION MANAGERS WILL CONSOLIDATE AT THEIR LEVEL THE REPORTS PRIOR TO SENDING TO THE 19TH SC MUNITIONS DIVISION.

3.C.1.B.2. (U) LOCATION (NAME, UNIT, GRID) AND QUANTITY OF PAST AND CURRENT DU STOCKPILES DUE TO THE 19TH SC MUNITIONS DIVISION.

3.C.1.B.3. (U) LOCATION (NAME, GRID) OF ALL TRAINING RANGES WHERE DU MUNITIONS WERE FIRED, AND TYPE AND QUANTITY OF MUNITIONS FIRED.

3.C.1.B.4 (U) TOTAL DU EXPENDITURES FOR EACH WEAPON SYSTEM INCLUDING: ABRAMS M1 120MM AND 105MM, BRADLEY FIGHTING VEHICLE (M2/M3) SYSTEM.

3.C.1.B.5. (U) DU SURFACE AND AIR ENGAGEMENT LOCATIONS (GRID) AND QUANTITY EXPENDED. SUPPORTING DOCUMENTATION MAY INCLUDE LOCATION OF KILL BOXES, AMMO LOGS, MISSION DEBRIEFS, ETC.

3.C.1.B.6. (U) IDENTIFICATION OF ALL FRIENDLY LOSSES INVOLVING DU, BY WEAPON SYSTEM AND INCLUDING THE STATUS OF ANY DU MUNITIONS ON-BOARD.

3.C.1.B.7. (U) DU WEAPON SYSTEMS LOST DUE TO HOSTILE FIRE, FRIENDLY FIRE, ACCIDENTAL FIRES, ETC.

3.C.1.B.8. (U) FRIENDLY-FIRE INCIDENTS INVOLVING DU AND RELATED INVESTIGATIVE REPORTS.

3.C.1.B.9. (U) DISPOSAL OF DU CONTAMINATED EQUIPMENT. INCLUDE LOCATION OF STORAGE YARDS FOR CAPTURED OR RECOVERED ENEMY EQUIPMENT. INCLUDE DISCUSSION OF ANY RADIOLOGICAL/ENVIRONMENTAL MONITORING FOR CONTAMINATED EQUIPMENT, DISPOSAL SITES, AND ANY LONG TERM MONITORING/SITE CONTROL PLANS. INCLUDE QUANTITIES, TYPE, AND LOCATION (GRID) OF ENEMY DU MUNITIONS, IF ANY.

3.C.2. (U) **3CC**

3.C.2.A. (U) SERVE AS THE POINT OF CONTACT FOR THE RECEIPT AND COMPILATION OF DATA IDENTIFIED IN PARAGRAPH 3.B.1.B.1. CONSOLIDATED REPORT AND SEND FORWARD TO THE CJTF-7 C4 AMMO SECTION.

3.C.2.B. (U) PROVIDE TOTAL BEGINNING QUANTITIES OF DU RECEIVED DURING ABL UPLOAD BY TYPE, TURNED BACK IN, STOCKPILED, UNACCOUNTED FOR OR DESTROYED AT ALL AMMUNITION SUPPLY ACTIVITIES. IF DESTROYED OR BURIED PROVIDE DATE UNIT, AND LOCATION (GRID). IF DESTROYED, INCLUDE METHOD OF DESTRUCTION.

3.C.2.C. (U) LOCATION (NAME, UNIT, GRID) AND QUANTITY OF PAST AND CURRENT DU STOCKPILES.

3.C.2.D. (U) REPORTS ARE DU TO THE CJTF-7 C4 AMMO SECTION NLT **061800DSEP03**.

3.C.3. (U) **CJTF-7 C3 CHEMICAL** (U) FORWARD ANY REPORTS AND/OR DATA COLLECTED WITH REGARDS TO DU CONTAMINATION OF EQUIPMENT AND MUNITIONS TO THE C4 AMMO SECTION NLT **051800DSEP03**.

3.C.4. (U) **CJTF-7 C7**

3.C.4.A. (U) REPORT ANY KNOWN CONSOLIDATED COLLECTION POINTS OF ENEMY AND FRIENDLY EQUIPMENT DESTROYED BY DU MUNITIONS. PROVIDE LOCATION(LAT/LONG) AND DATE EQUIPMENT WAS BROUGHT TO THE LOCATION, UNIT MAINTAINING SITE.

3.C.4.B. (U) REPORT ANY OTHER INFORMATION PERTAINING TO DU MUNITIONS TO THE CJTF-7 C4 NLT **051800DSEP03**.

3.D. (U) COORDINATING INSTRUCTIONS. **[CHANGE]**

3.D.1. (U) PERSONNEL COMING IN CONTACT WITH DU CONTAMINATION SHOULD FOLLOW GUIDANCE IN REFERENCE E (CJTF-7 FRAGO 627) FOR REPORTING, DECONTAMINATION AND RECORDING EXPOSURE TO RADIATION.

3.D.2. (U) PROVIDE REPORT OF DU USAGE DURING OIF IN SUITABLE FORMAT INCLUDING EXECUTIVE SUMMARY, DISCUSSION, MAPS, AND SUPPORTING DOCUMENTATION PROVIDE DIGITAL AND BOUND, PRINTED COPY. REPORTS ARE TO BE UNCLASSIFIED. DATA THAT CANNOT BE DECLASSIFIED MAY BE INCLUDED IN A SMALL CLASSIFIED ANNEX TO THE REPORT. HOWEVER, THE INTENT IS TO MAXIMIZE INFORMATION AVAILABLE FOR PUBLIC DISCLOSURE. REPORTING INFORMATION FOR PARAGRAPHS 3.B.1.B.1. AND 3.B.1.B.2 ARE DUE TO THE 19TH SC MUNITIONS DIVISION NLT **051800DSEP03**. ALL OTHER REPORTS ARE DUE TO THE CJTF-7 C4 AMMO SECTION NLT **051800DSEP03**.

3.D.3. (U) UNITS WILL MAINTAIN AND UPDATE REPORT AS OPERATIONS IN IRAQ AND KUWAIT CONTINUE.

3.D.4. (U) ATTACHED REPORTS MATRIXES ARE NUMBERED IN ACCORDANCE WITH THE SUB-PARAGRAPHS OF 3.B.1.B. FOR COLLECTING DATA. ANY OTHER INFORMATION OR REPORTS PERTAINING TO DU MUNITIONS AND DESTROYED EQUIPMENT ARE ADDITIONALLY NEEDED TO SEND FORWARD TO CENTCOM.

3.D.5. (U) NEGATIVES REPLIES REQUIRED.

4. (U) SERVICE SUPPORT. **[NO CHANGE]**

5. (U) COMMAND AND SIGNAL **[CHANGE]**

5.A. (U) COMMAND. **[NO CHANGE]**

5.B. (U) SIGNAL. **[CHANGE]**

5.B.1. (U) (b)(3), (b)(6) OR (b)(3), (b)(6), CJTF-7 C4, AMMUNITION SECTION POCS,
DNVT (b)(6) SIPR E-MAIL: (b)(3), (b)(6)
OR (b)(3), (b)(6)

5.B.2. (U) (b)(3), (b)(6) OR (b)(3), (b)(6), 3CC AMMUNITION SECTION POCS, MSE (b)(6)
(b)(6), SIPR EMAIL: (b)(6)
(b)(3), (b)(6)

5.B.3. (U) (b)(3), (b)(6) OR (b)(3), (b)(6), 19TH SC MUNITIONS DIVISION POCS, MSE
(b)(6), SIPR EMAIL: (b)(3), (b)(6)

ACKNOWLEDGE

SANCHEZ
LTG

OFFICIAL:

(b)(3), (b)(6)
C3

ATTCH:

1. DA MESSAGE
2. REPORTING FORMAT

Approved for Release



UNITED STATES CENTRAL COMMAND
7115 SOUTH BOUNDARY BOULEVARD
MACDILL AIR FORCE BASE, FLORIDA 33621-5101

CCJ4

MEMORANDUM FOR Director for Logistics, the Joint Staff, Washington, DC 20318-0300

SUBJECT: Depleted Uranium Usage, Operation IRAQI FREEDOM (OIF)

- (a) JS Vice Director Memorandum, 9 Sep 03, Subject: Request for Information on Depleted Uranium Usage, Operation IRAQI FREEDOM (OIF)
- (b) CENTCOM message dtg 111144Z AUG 03

ENCL: (1) ARCENT's Depleted Uranium Usage During OIF
(2) CENTAF's Depleted Uranium Usage During OIF
(3) MARCENT's Depleted Uranium Usage During OIF
(4) CENTCOM's Data Summary

1. Per reference (a), CENTCOM directed that components account for the storage, expenditure, removal, and destruction of all munitions and equipment containing depleted uranium (DU), including the locations of both training and combat expenditures, as well as information regarding the handling and disposition of DU-contaminated equipment during Operation IRAQI FREEDOM (OIF). CENTCOM made the request by message, reference (b). The enclosed reports provide the responses from ARCENT, CENTAF, and MARCENT. NAVCENT and SOCCENT did not expend any Depleted Uranium munitions.

2. Both ARCENT and MARCENT noted the difficulty in "tracking" the latitude and longitude of individual DU rounds fired during ground combat. With this in mind, the information provided is general latitudes and longitudes of battle areas; DU rounds may have impacted anywhere within these areas. ARCENT and CENTAF have data still to be collected to complete their submissions, and the remaining data will be provided prior to 20OCT03. A summary of data provided to date is provided in enclosure (4).

3. CENTCOM's point of contact is

(b)(6)

(b)(6)

WILLIAM E. MORTENSEN
Major General, USA
Director of Logistics

U.S. CENTRAL COMMAND
SUMMARY OF DEPLETED URANIUM USAGE DURING OPERATION IRAQI FREEDOM
October 20, 2003

Summary of Data

(a) TOTAL QUANTITIES OF DU SHIPPED TO THEATER, SHIPPED BACK, STOCKPILED, UNACCOUNTED FOR OR DESTROYED. IF DESTROYED OR BURIED PROVIDE DATE, UNIT, AND LOCATION (LAT/LONG). IF DESTROYED, INCLUDE METHOD OF DESTRUCTION.

MARCENT Ground:

- Shipped 11,982 rounds into theater, stockpiled 10,202, retrograded 513 rounds, expended 451 rounds

MARCENT Aviation (NALC: A979, 25MM, AV-8 HARRIER)

- Issued 6,036, expended 136, turned-in 5,900, 0 on-hand, 0 unaccounted for.

CENTAF:

Quantities given in "combat mix, rounds" unit of issues. Multiply given quantities by 0.8333 to convert to DU.

Pre-OIF approx 1,229,974 rounds in theater, 224,000 additional rounds shipped in response to OIF. Currently 208,000 rounds retrograded.

ARCENT

As of 15 OCT 03 3rd Infantry Division provided "engagement information". Other data was not available and therefore is not included in this report.

Shipped into theater as of 19 MAR03 by DODIC: A986 938,703; C380 7,394.

Shipped to the CFLCC AOR after 19 MAR 03: A986 312,014; C380 4,001; C792 20,542.

- Total quantities shipped out of theater: A986 735,859; C792 5,520.

(b) LOCATION (NAME, UNIT, LAT/LONG) AND QUANTITY OF PAST AND CURRENT DU STOCKPILES.

See enclosures for details.

MARCENT: ground; 10,202 rounds.

CENTAF: 1,345,836 combat-mix rounds stockpiled as of OCT03.

ARCENT: A986 301,555; C380 11,629; and C792 8,056 rounds stockpiled as of 29AUG03.

(c) LOCATION (NAME, LAT/LONG) OF ALL TRAINING RANGES WHERE DU MUNITIONS WERE FIRED, AND TYPE AND QUANTITY OF MUNITIONS FIRED.

- The only training range used for expending DU munitions was Range 8, Udairi Range, Kuwait (29 42 04N 047 15 30E).

MARCENT: Udairi range, 245 rounds

CENTAF: None

ARCENT: The total number of DU rounds expended was 1,793. This range is no longer operational.

U.S. CENTRAL COMMAND
SUMMARY OF DEPLETED URANIUM USAGE DURING OPERATION IRAQI FREEDOM
October 20, 2003

(d) TOTAL DU EXPENDITURES FOR EACH WEAPON SYSTEM INCLUDING: ABRAMS M1 120MM AND 105MM, BRADLEY FIGHTING VEHICLE (M2/M3), A-10, AV-8B, AND PHALANX CLOSE-IN WEAPON SYSTEM.

MARCENT. AV-8 (25mm): 136 rounds. M1A1 (C380): 245 range, 206 Iraq.
CENTAF: 1116 A-10 missions. There were a total of 227,008 combat mix rounds.
ARCENT:

UNIT	DODIC	Initial Issue/ Beginning OH	Qty Expended	Qty Resupplied	Qty Unserviceable Rounds Destroyed
4ID	A986	29216	710	0	0
4ID	C380	2731	347	0	4
4ID	C792	2248	40	0	9
101AAD	C380	281	14	0	2
3ID	C792	TBD	216	TBD	TBD
3ID	A986	TBD	5750	TBD	TBD

(e) DU SURFACE AND AIR ENGAGEMENT LOCATIONS (LAT/LONG) AND QUANTITY EXPENDED. SUPPORTING DOCUMENTATION MAY INCLUDE LOCATION OF KILL BOXES, AMMO LOGS, MISSION DEBRIEFS, ETC.

See enclosures.

(f) IDENTIFICATION OF ALL FRIENDLY LOSSES INVOLVING DU, BY WEAPON SYSTEM AND INCLUDING THE STATUS OF ANY DU MUNITIONS ON-BOARD.

MARCENT: 4 M1A1, Arifjan, Ammo on board returned to service

(g) DU WEAPON SYSTEMS LOST DUE TO HOSTILE FIRE, FRIENDLY FIRE, ACCIDENTAL FIRES, ETC.

MARCENT: same as above

CENTAF: A-10

ARCENT: M1A2 X2, M1A1, M2A2, M3A2. See enclosure for details.

(h) FRIENDLY-FIRE INCIDENTS INVOLVING DU AND RELATED INVESTIGATIVE REPORTS.

MARCENT: none

CENTAF: 2 events, see enclosure

ARCENT: see enclosure.

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(i) DISPOSAL OF DU-CONTAMINATED EQUIPMENT. INCLUDE LOCATION OF STORAGE YARDS FOR CAPTURED OR RECOVERED ENEMY EQUIPMENT. INCLUDE DISCUSSION OF ANY ENVIRONMENTAL MONITORING FOR CONTAMINATED EQUIPMENT, DISPOSAL SITES, AND ANY LONG-TERM MONITORING/SITE-CONTROL PLANS. INCLUDE QUANTITIES, TYPE AND LOCATION (LAT/LONG) OF ENEMY DU MUNITIONS IF ANY.

MARCENT: no records for enemy equipment.

CENTAF: none.

ARCENT: on-going, see enclosure.

(j) A-10/HARRIER MISFIRES RESULTING IN THE NEED TO REPLACE EITHER A GUN BARREL OR THE ENTIRE GUN SYSTEM (DATE, UNIT, LOCATION, ACTION TAKEN).

MARCENT: none

CENTAF: none

(k) PUBLIC AFFAIRS/CIVIL AFFAIRS GUIDANCE ON AVOIDING POTENTIAL HAZARDS OF DU AND OTHER WAR MATERIAL.

MARCENT: see enclosure

CENTAF: see enclosure

2. Notes.

(a) CENTAF's quantities are listed in "combat mix, rounds" unit of issues. Multiply given quantities by 0.8333 to convert to rounds of DU.

(b) NAVCENT & SOCCENT reported expending 0 DU rounds during OIF.