

## REDSTONE CHEMICAL ACTIVITY

### Overview

The U.S. Army Chemical Materials Activity Redstone Chemical Activity (CMA RCA) supports the Army's investigative and environmental remediation activities at Redstone Arsenal in Huntsville, Alabama. Due to its historical position as a center for chemical weapons production, storage, evaluation and demilitarization, the arsenal has the potential for a large amount of recovered chemical warfare materiel (RCWM). CMA RCA's four primary areas of responsibility are storage, commodity management, security, and technical expertise.

### Storage

CMA RCA is responsible for the safe and regulatory-compliant storage of all RCWM, conventional munitions and explosives, and miscellaneous wastes generated during investigative and remediation operations. The Activity is also tasked with supporting emergency response and providing courtesy storage of explosive waste derived from other organizations at Redstone.

CMA RCA researches and provides packaging configurations for all hazardous waste, waste military munitions, and RCWM in compliance with Title 49 of the Code of Federal Regulations. CMA RCA coordinates Special Packaging Instructions and Interim Hazard Classifications for items without a prescribed package method. CMA RCA ensures compliance with the Alabama Department of Environmental Management Hazardous Waste Resource Conservation and Recovery Act permit, including conducting and documenting required storage inspections.

### Commodity Management

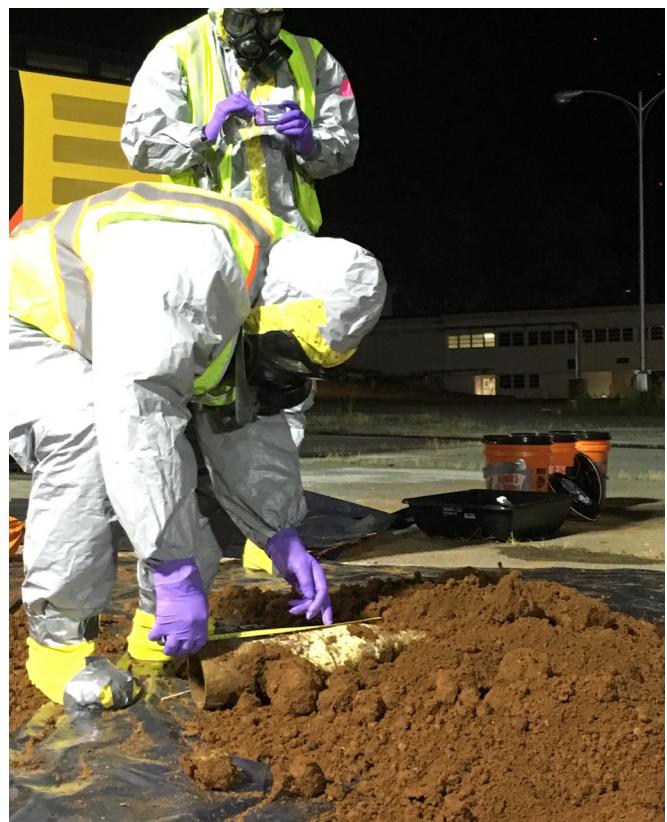
CMA RCA performs and validates inventory and accountability of RCWM, all unknown conventional munitions and explosives recovered during

investigative and remediation activities, as well as hazardous wastes generated.

Accountability for all RCWM recovered at the Arsenal is accomplished through the Chemical Accountability Management Information Network (CAMIL), which is managed by CMA. CMA RCA also provides external custodial support for CAMIN input and maintains a local database to track all recovered materiel through final disposition.

### Security

The CMA RCA Commander is the primary custodian and administrator of the Ammunition and Explosives Key and Lock Program for the 8200 Block storage area. CMA RCA controls



*Workers document measurements and distinguishing marks during field recovery of a munition.*



## RCA (CONTINUED)

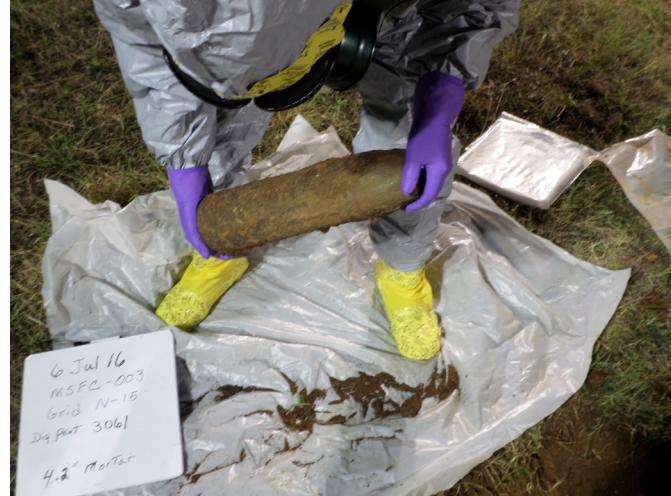
and provides authorized access to the 8200 Block storage area on an as-needed basis and generates, maintains, and updates the Key Custodian and Key Holder lists in accordance with Army physical security requirements.

### Technical Expertise

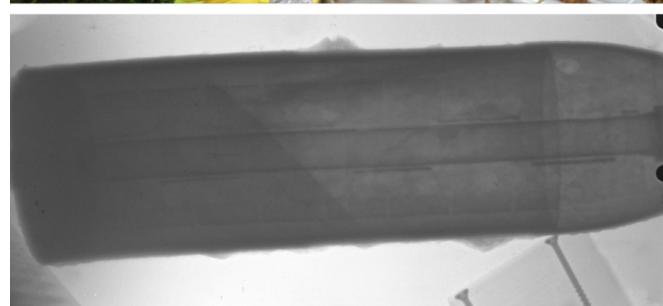
CMA RCA is the focal point for explosives safety in transportation, storage, packaging and handling for all operations of recovered materiel, providing direct support to the U.S. Army Garrison-Redstone Arsenal (USAG-RSA), CBRNE (Chemical, Biological, Radiological, Nuclear, Explosive) Analytical and Remediation Activity—Remediation Response West, U.S. Army Corps of Engineers-Huntsville, and the site contractor.

CMA RCA provides local certification and recertification of overpack containers used at Redstone, participates in site-planning efforts and reviews of storage operations plans and procedures for compliance with Army and Department of Defense explosives safety requirements, and develops and submits explosive waivers and deviations for approval. CMA RCA provides external support as needed for Army chemical training instruction for the Defense Ammunition Center, Combatant Command (COCOM), and backup CAMIN support for CMA headquarters.

CMA RCA additionally provides support for the Prototype Recovered Ordnance Destruction System being established at USAG-RSA for destruction of recovered conventional munitions. The CMA Recovered Chemical Materiel Directorate owns, maintains, and deploys the Explosive Destruction System to destroy RCWM and will work closely with CMA RCA for any recovered at Redstone Arsenal.



An operator recovers a 4.2" mortar during remediation operations. This type of mortar is the most common munition recovered at RSA.



At top, an operator monitors recovered 4.2" mortars with a Joint Chemical Agent Detector. At bottom, an X-ray shows the liquid line in a recovered mortar.