USA Environmental, Inc.

Capabilities Statement

Mission & Business Areas

USA Environmental, Inc. (USA) is a Small Business that is solely focused on providing Munitions Response Services, including characterization and remediation of federal and non-government sites that are contaminated with Munitions and Explosives of Concern (MEC). USA's mission statement commits to three key business principles: Professionalism, Responsiveness, and Cost Effectiveness. USA's key Munitions Response Services business areas are described below.

MEC Characterization, Remediation and Disposal

USA determines or characterizes the extent of MEC contamination on sites and offers alternative ways for cleanup, including a preferred method. USA provides intrusive MEC services including detection, excavation, inspection, identification, and removal/disposal.

Range Sustainment/Remediation

USA provides MEC services to maintain active military firing and bombing ranges, including the periodic removal of MEC and munitions debris near the impact zone and the maintenance and replacement of targets.

MEC Avoidance

USA performs MEC Avoidance for engineering, environmental, construction, forestry and archaeological firms performing a variety of field operations, including geophysical data collection, surveying, well drilling and monitoring, tree planting, and archaeological studies.

MEC Consultation

USA offers professional advice, technical expertise and safety oversight for work areas that involve MEC.

MEC Related Services

- Wide Area Assessment
- Range Reconnaissance
- Preliminary Assessment/Site Inspection (PA/SI)
- Remedial Investigation/Feasibility Study (RI/FS)
- Engineering Evaluation/Cost Analysis (EE/CA)
- Digital Geophysical Mapping (DGM)
- GPS Surveying and GIS Mapping
- Time Critical Removal Action (TCRA)
- Non-Time Critical Removal Action (NTCRA)
- Demining
- MEC Construction Support
- Soil Sampling/Analysis
- MEC Underwater Capabilities
- Technology Evaluation
- Cost, Schedule, and Risk Controls
- Archival Searches and Cultural Compliance
- Anomaly Avoidance

Corporate Overview

USA is a small business performing environmental remediation under NAICS 562910. We are incorporated in the State of Florida and have our headquarters in Oldsmar. USA was founded in 1998 and has experience in providing MEC characterization and remediation services, including Unexploded Ordnance (UXO) location, identification, removal & disposal; UXO avoidance and Munitions Debris/ Range Residue Removal. To date, USA has safely and successfully completed over $500M of MEC work. USA performs Munitions Response work both as a prime contractor and as a subcontractor.

USA employs over 250 personnel, including all UXO-related labor categories, to safely perform work under our Munitions Response business areas. These UXO personnel are all graduates of the U.S. Navy Explosive Ordnance Disposal (EOD) School or a certified training course.

USA has a DCAA-audited and approved accounting system, including billing & cost identification, purchasing and a property tracking system. We performed over 5 million MEC-related man-hours on 600 projects. USA has in place both Safety and Quality Control Programs, and maintains a Corporate Health and Safety Plan. USA prepares Site Health and Safety Plans for each of our work sites. This attention to quality work and safe procedures has led to an Insurance Experience Modification Rate (EMR) average of 0.74 over the last 10 years.

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Key/Long-Term Contracts

Prime Contracts

- ☑ **Munitions Response Actions at Vieques and Other Sites** (Awarded 2010)
  Customer: U.S. Navy, NAVFAC Atlantic
- ☑ **Worldwide Environmental Remediation Services** (Awarded 2010)
  Customer: U.S. Army Engineering & Support Center, Huntsville (USAESCH)
- ☑ **Munitions Response Contract** (Awarded 2005)
  Customer: U.S. Navy, NAVFAC Pacific
- ☑ **Munitions Response Services, CONUS/OCONUS** (Awarded 2004)
  Customer: U.S. Army Engineering & Support Center, Huntsville (USAESCH)
- ☑ **MEC Remediation Services, Ft. McClellan, AL** (Completed 2009)
  Customer: Anniston-Calhoun County
- ☑ **Munitions Removal Action Contract (#2), Vieques, PR** (Completed 2007)
  Customer: U.S. Navy, NAVFAC Atlantic
- ☑ **Comprehensive Site Evaluations at Multiple AF Bases** (Completed 2007)
  Customer: U.S. Army Corps of Engineers, Omaha District
- ☑ **Munitions Removal Action Contract (#1), Vieques, PR** (Completed 2007)
  Customer: U.S. Navy, NAVFAC Atlantic
- ☑ **OE Response & Services, CONUS & Worldwide** (Completed 2006)
  Customer: U.S. Army Engineering & Support Center Huntsville (USAESCH)
- ☑ **EOD Support, Camp Slayer, Iraq** (Completed 2005)
  Customer: Camp Victory, Iraq
- ☑ **UXO Escort Support Services, Iraq** (Completed 2005)
  Customer: Defense Intelligence Agency
- ☑ **UXO Location, Removal and Disposal, Ft. Ord, CA** (Completed 2001)
  Customer: U.S. Corps of Engineers, Sacramento District

Subcontracts

- ☑ **NAVFAC Marianas** (Awarded 2010)
  Customer: Unitek Environmental - Guam
- ☑ **Afghanistan** (Awarded 2010)
  Customer: Relyant, LLC
- ☑ **Worldwide Environmental Remediation Services** (Awarded 2010)
  Customer: Parsons Infrastructure & Technology Group, Inc
- ☑ **Range Sustainment Contract** (Awarded 2009)
  Customer: Engineering Remediation Resources Group, Inc. (ERRG)
- ☑ **Munitions Response Services, CONUS/OCONUS** (Awarded 2004)
  Customer: Parsons Infrastructure & Technology Group, Inc.
- ☑ **UXO Clearance, Elkton Farms Firehole, MD** (Completed 2008)
  Customer: Guardian Environmental
- ☑ **OE Response & Services, CONUS & Worldwide** (Completed 2007)
  Customer: Parsons Engineering Science
- ☑ **Munitions Response Services for FPRI for MMRP** (Completed 2005)
  Customer: CH2MHILL
- ☑ **OE Cleanup, Ft. Ord, CA** (Completed 2005)
  Customer: Parsons Engineering Science
- ☑ **UXO Support, Vieques, Puerto Rico** (Completed 2002)
  Customer: CH2MHILL

USA Environmental, Inc.

Munitions Response Services

MEC Characterization

USA performed a Remedial Investigation/Feasibility Study (RI/FS) at the Popoki Training Area, HI. This RI/FS served to characterize potential risks and develop appropriate response alternatives to reduce human risks associated with MEC and Munitions Constituents (MC) items. USA provided Range Reconnaissance at multiple sites including Ft. Richardson, AK; Ft. Greely, AK; Ft. Carson, CO; Yakima, WA; Camp Bullis, TX; and Ft. Sill, TX. For USACE, Omaha District, USA worked on Comprehensive Site Evaluations (CSEs) at multiple Air Force Bases. USA completed a RI with the FS scheduled for a future date on Adak Island, AK, and is currently performing Site Inspection projects and a RI/FS in Hawaii as well as Site Assessments in Guam under the Navy MRC Contract. We worked on four Engineering Evaluation/Cost Analyses (EE/CA's) that were performed at Frankford Arsenal, PA; Waikoloa, HI; Camp Chaffee, AR; and Williams Field, AZ. The Frankford Arsenal project required a Geophysical Prove-Out (GPO) covering both land and water. With our subcontractor NAEVA Geophysics, we successfully configured and used an innovative underwater EM-61 platform. At Waikoloa, USA utilized our innovative technology, the Personal Digital Assistant (PDA)/Global Positioning System (GPS) data collection tool. USA also evaluated the multi-gate EM basalt discrimination developed for the EM63 in support of the EM61 MK2 Waikoloa Phase III Geophysical Prove Out (GPO). At Camp Chaffee, USA has worked on over a hundred right-of-entry documentations.

MEC Remediation

USA has contracted on over 560 projects/task orders since incorporation in July 1998. Over half of these projects required remediation of sites contaminated with MEC, including UXO and Munitions Debris. We have successfully performed these remediation services as both a prime contractor and subcontractor. Under USA's $2.175B shared-value, 5-year Munitions Response Services program for the U.S. Army Engineering & Support Center, Huntsville (USAESCH), USA has received 26 task orders and performed MEC remediation at a number of sites, for example, Pinecastle Jeep Range, FL; Camp Maxey, TX; and Ft. Benning, GA. In August 2005, USA was awarded a $68M/5-year Munitions Response Contract with the Navy Pacific Division. We have received 23 task orders to date with two MEC clearance projects on Adak Island, AK, and three projects for MEC removal on Vieques Island, Puerto Rico. USA performed Munitions Response Services for USAESCH under a $120M ceiling contract awarded in 2000. We received 27 task orders, including remediation projects such as Castner Range, Ft. Bliss, TX. We successfully performed Time-Critical Removal Actions (TCRA) at Ft. Sam Houston, TX, and a MEC Removal Action at Camp Butner, NC. In 2010, USA was awarded a 5 year World Wide Remediation Services (WERS) contract with a shared value of $ 1.155B by the USAESCH. We received 9 task orders to date. Most recently, USA was awarded a $95M/5 year Munitions Response Actions Contract with the Navy Atlantic Division.

Geophysical Surveys

For digital geophysical mapping (DGM), USA and its DGM team members routinely field the latest electromagnetic and magnetometer sensors, including EM63, underwater EM61 (used at the former Frankford Arsenal GPO with NAEVA Geophysics), EM61 -MK2 or MK2A and G-858 in single sensor, gradiometer configurations, and towed arrays. We use Geosoft's OASIS montaj with UX-Process, the latest QA/QC tools, and UX_Analyze for processing and analysis. USA has worked with SAIC to deploy their single and simultaneous multi-sensor towed-array systems (VSEMS), including the latter at the Former Myrtle Beach EOD Site and Pinecastle Jeep Range. DGM surveys use multiple positioning techniques appropriate to the site. These include survey-grade GPS, traditional fiducial marks, and laser ranging systems. Survey methodologies include grid, transect, meandering paths, and entire area surveys. Additionally, USA uses the latest analog sensors for MEC operations, including Minelab Explorer II and White's Surfmaster P.I. Pro for underwater work in Vieques.

Construction Support

USA has performed construction support projects throughout the United States and abroad. At Raritan Arsenal, NJ, we performed an immediate response, excavating and recovering over 848 practice bombs. Subsequently, USA performed construction support on an as-needed basis at Raritan. We provided support, including subsurface MEC removal, for the new construction of Range 4 in the Camp Hansen Training Range Complex, Okinawa, Japan, and at the Scout Qualification Range, Ft. Hood, TX.

Range Clearance

USA supports DoD's mission to prepare soldiers to fight and win wars by performing Range Clearances on active ranges. USA's approach takes into account the concerns of the installation by performing upfront engineering to meet the goals and objectives of the installation's Range Officers. USA's staff has extensive experience in performing range clearance activities and managing complicated schedules and concerns associated with active ranges, such as Munitions Debris. USA cleared a number of ranges, including ranges at Camp Bullis, TX; Ft. Bliss, TX; Ft. Devens, MA; Pohakuloa Training Area, HI; Okinawa, Japan, and Yuma, AZ.

Chemical Warfare Materiel (CWM)

USA successfully completed a CWM project as prime contractor at Harmony Church, Ft. Benning, GA. We performed this RCRA Interim Measure to remove Chemical Agent Identification Sets (CAIS) from the suspected area. USA also provided CWM support as a subcontractor to Parsons at multiple sites including Lowry Jeep Training Area, CO; Fort Segarra, Virgin Islands; former Camp Crowder, MO; former Camp Sibert, AL; and Brooksville Army Airfield, FL. Additionally, USA has also participated in pre-operational evaluations and the Department of the Army pre-operational inspection for final approval to commence intrusive investigations.

USA Environmental, Inc.

Safety & Quality

Safety

USA has performed over 5 million man-hours with

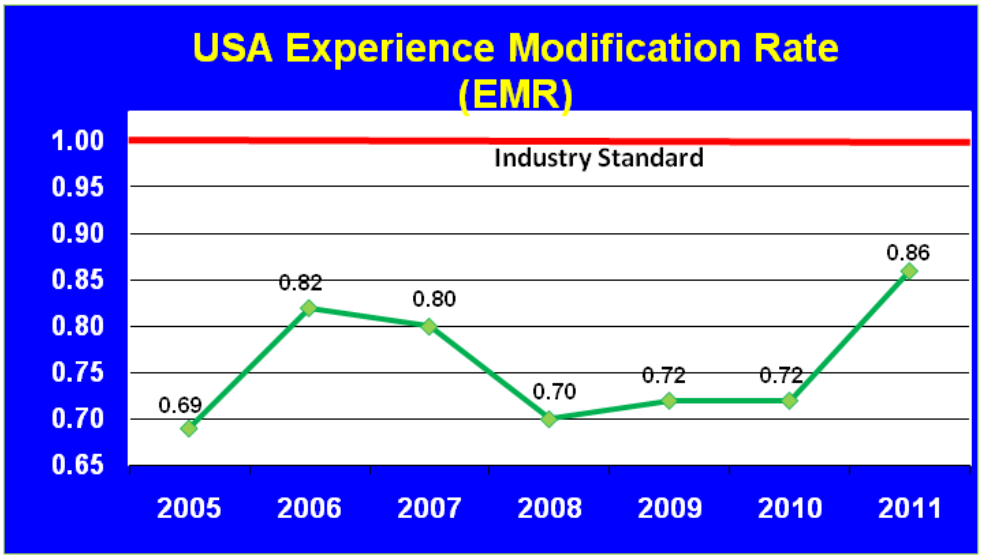
- ***zero OSHA reportable accidents or incidents*** *involving explosives or dangerous material;*
- ***zero government/regulatory safety violations*** *issued throughout its company history; and*
- *as a result of our Safety Program and record, the National Council on Compensation Insurance (NCCI) issued USA Environmental an Experience Modification Rate (EMR)* ***of 0.86 for year 2011****, which is well below the industry standard of 1.00.*

USA Environmental has a comprehensive and effective Safety Program. This program is designed to protect our employees, other site personnel and the general public. USA's commitment to safety begins with the President of USA and continues to all individual employees in the field. USA's President and Senior Management are active participants in USA's Safety Program and are made aware of all safety concerns and any accidents/ incidents in a timely manner. USA has an Open-Door policy that all personnel can use to voice safety concerns. Managers and Supervisors at all levels actively participate in promoting safety and enforcing safe work practices.

USA requires that all employees be committed to performing their work in accordance with safe work practices and has empowered all employees to stop work, without retribution, to voice safety concerns or issues.

An effective Safety Program requires that Safety Professionals and Managers (SP&M) possess an understanding of regulatory requirements, proven safety means and methods, and their roles and responsibilities. USA has Corporate Safety and Quality Managers who ensure that all of our field operations adhere to our Corporate Safety and Health and Site Work Plans and maintain our Standard Operating Procedures (SOPs). USA's SP&M possess the formal training and experience needed to effectively administer the program and are enrolled in continual safety education programs in order to remain current in the latest trends in the safety and health field. Prior to assignment to this staff, these personnel must possess a detailed understanding of the OSHA, DoD, USACE, NAVFAC, and other applicable regulatory requirements and safety standards.

The USA Safety and Health Program strives to remain on the cutting edge of the field, incorporating the latest innovations into our program and encouraging active participation by employees at all levels. It is through this dedication and effort that USA is able to demonstrate the effectiveness of our program in the low EMR we continue to enjoy.

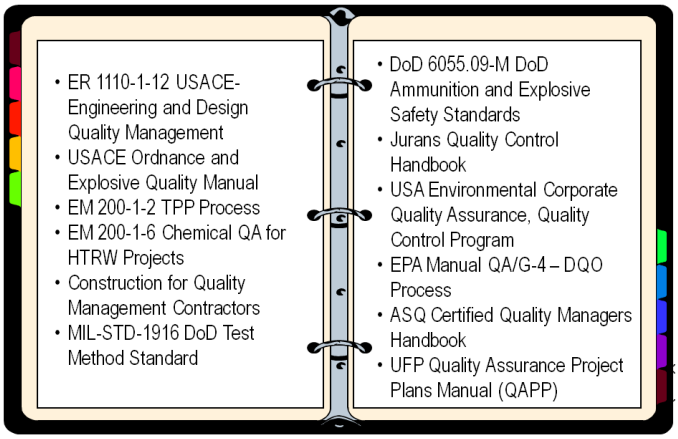


Safety is the #1 Priority for USA Environmental

Quality

USA's Quality Control (QC)/Quality Management (QM) Program: USA's Quality Management Program (QMP) is a formal program that is designed to ensure that USA provides the management staff and field employees with policies and procedures for performing and delivering quality products to our clients. The goal of the QMP is to safely deliver quality services to our customers on schedule and within budget. Our QMP is based on a commitment to quality and is structured to project this commitment from the highest corporate levels to the individual worker in the field. The success and effectiveness of our QMP is due to our understanding of quality standards, our integrated approach to quality planning and design, an effective quality training program, and enforcement and monitoring practices. USA's QMP is a dynamic program that is continually updated to keep pace with the technological advances and changes taking place in the Munitions Response Process.

Comprehensive Understanding of Quality Management Procedures: USA adheres to the USACE, NAVFAC and other government agencies quality standards and has accordingly developed a corporate quality assurance program. When required, USA prepares a site-specific work plan and quality control plan. Listed below are some of the key Quality Standards and documents USA incorporates into its quality programs and plans.



Commitment: USA's commitment to quality begins with the President of USA and continues to all individual employees in the field. USA's President and Senior Management are active participants in USA's QMP and are made aware of all quality concerns in a timely manner. USA has an Open-Door policy for personnel to voice quality concerns. Managers and Supervisors at all levels actively participate in monitoring the quality during execution of work, and for enforcing work practices prescribed in the project Work Plan (WP). USA requires that all employees take pride in the work they perform and stand behind the quality of their work.

Planning and Design: USA's quality planning has begun well in advance of receipt of orders for services. USA has developed a comprehensive Corporate Quality Management Plan that forms the foundation for all Site-Specific Quality Control Plans (QCP). USA Corporate Quality Management Plans are developed using the experience and knowledge that USA has acquired in performing like services for USACE and other clients including the U.S. Navy, since 1998. This approach has resulted in a Quality Management Plan and process that is focused on the quality measures and requirements associated with MEC projects. USA ensures that Quality is designed into each MEC project by having our Corporate Quality Control Manager (CQCM) and UXO Quality Control Specialist (UXOQCS) personnel actively participate in development of the WP. During WP development, these personnel work with the Project Manager (PM) and Senior UXO Supervisor (SUXOS) to evaluate the means and methods that USA will use to perform the field work, site conditions, and limitations. Using this information they perform a formal Quality Analysis for each work task/activity and develop specific Data Quality Objectives (DQO) and inspection requirements for each work task/activity. Using the data from this analysis and review, USA then prepares the Quality Control Plan for the project that documents these standards and inspection requirements, and prescribes the inspection methods and frequency of inspections.

Training: USA uses only personnel who are trained and qualified to perform their assigned work, and meet or exceed USACE qualification standards. For personnel assigned to Quality Positions (e.g., UXOQCS), USA conducts formal Quality Management Training at its Corporate HQ. In addition to these requirements, USA performs site-specific training for individuals assigned to each project. This training includes: a review of authorized work practices and procedures, quality standards, and their role and responsibilities in the quality process.

Quality Awareness: To reinforce Quality Awareness, USA conducts a daily safety briefing at each project site. During these meetings USA identifies specific quality considerations for that day's operations and quality issues and concerns arising from QC Inspections. At each work area, USA's supervisors conduct tailgate briefings that address the specific work that the team will perform, and the quality standards and procedures for this work.

USA Environmental, Inc.

Innovative Technology

Field-Tested Innovative Technology

USA Environmental employs state-of-the-art technology and approaches to all our Unexploded Ordnance (UXO) project sites. These innovative, yet field-proven technologies and approaches include, but are not limited to, Mapping using Trimble Pro XRT, Differential Global Positioning System (DGPS), Trimble 4700, R7, and R8 Real Time Kinematic DGPS (RTK DGPS), one base and rover with Global Navigation Satellite System (GNSS), Trimble Robotic Total Station, Remotely Operated Vehicle (ROV) and Geographical Information System (GIS) Data Management using Intergraph Micro Station. USA was a leader in integrating DGPS and RTK DGPS equipment into the UXO remediation process. USA utilizes new sensor technology, including Geometrics' Metal Mapper and NRL/SAIC's TEMTADS, coupled with new processing and analysis software "UX_Analyze" increasing the potential to classify a wide range of anomalies such as MEC/MD/DMM vs. clutter. We use this equipment to perform project site surveys, subdivision of sites into manageable work grids, and for recording the location of individual Munitions and Explosives of Concern (MEC) items and other features of interest.

Remotely Operated Vehicle (ROV)

USA maintains the capability to perform underwater survey of UXO and environmental conditions through use of a Remotely Operated Vehicle (ROV). Capable of being deployed while operating from a small boat or land based location; this ROV unit is a highly mobile, low cost, and effective platform to accurately capture underwater location data and video documentation. The technical specifications of the ROV unit include the following:

- Operational depth range extends from 2 to 300 feet (ft)
- High-resolution forward/rear cameras
- Internal positioning system for accurate underwater GPS location
- Detachable 900-kHz multibeam sonar
- Not restricted to any bottom time limitation, while effectively operating in currents of 2 to 3 knots
- Small size enables investigation of the interior contents of underwater ship hulks/wrecks, maneuvering through areas containing considerable obstructions or obstacles, and shallow water/surf zone regions that larger systems cannot access
- System contained within 3-4 Pelican cases, requiring minimal pre-deployment lead time/logistic planning, and can be transported aboard commercial aircraft as checked luggage
- Powered by standard 110-volt receptacle, a small gasoline generator, or a vehicle/marine battery

Multi-Sensor, Towed-Array System

A good example is the state-of-the-art multi-sensor, towed-array system that simultaneously collects both magnetometer and electromagnetic sensor data (VSEMS). USA, working with SAIC, developed, demonstrated, and deploys this system. USA has worked with this system on eight projects. It is exceptionally efficient on large-area surveys where the terrain is vehicular accessible.

TAZ II

The "TAZ II" system is an armored tracked-vehicular heavy equipment with an articulating arm to cut vegetation, including on steep slopes. The TAZ proved invaluable on our Ft. Ord project because it replaced the majority of our manual labor associated with brush-cutting and it eliminated numerous "slips, trips and falls" that our laborers were experiencing. It saved significant time and money.

GPS interfaced with a PDA

Another good example of USA's proven innovative technology is our GPS interfaced with a PDA, which allows for real-time monitoring of progress in the field. Using the Trimble Geo XT GPS unit and Thales Mobile Mapper CE, we are able to combine sub-meter accurate GPS units with ArcPad mobile GIS software. This equipment has been used successfully on many projects for site visits, reconnaissance, and anomaly tracking.

USA's proven innovative technology includes our commitment to remain current, while providing additional flexibility in deployment options and the potential to include real time track guidance.

Research and Development (R&D)

USA uses a formal and proven "review process" that identifies, analyzes, and tests proposed innovative solutions for safety, field-worthiness, and effectiveness. USA has performed Research and Development (R&D) both under contract and with internal funds. The following paragraphs highlight some of these R&D efforts.

Range Master

The Range Master is a remotely operated mechanical excavation and sifting system that removes surface and near-surface munitions in a single pass. USA, with Timberline Environmental as subcontractor, received a contract from the Environmental Security Technology Certification Program (ESTCP) for the development and demonstration of the system. Range Master is an armored remote-controlled Caterpillar 633D Scraper. It has an integrated

power screen and hopper with dump control for faster, safer excavation of the top 6 to 12 inches of heavily contaminated UXO sites (e.g., target centers). Sifted soil is returned to the site while screened objects are staged for UXO identification and disposal. The remote control range is 5,000 feet. In February 2004, during Phase I, Range Master was successfully demonstrated at Ft. Ord, CA. The armored Phase II Range Master successfully demonstrated its remote control capabilities at the former Lowry Bombing and Gunnery Range, CO, in June 2006. Excavation results indicated that an experienced primary excavator operator is required.

Multi-Gate EM Basalt Discrimination

For the EE/CA project at the Waikoloa Maneuver Area, HI, USA evaluated the multi-gate EM basalt discrimination developed for the EM63 in support of the EM61 MK2 Waikoloa Phase III Geophysical Prove-Out (GPO). Reliably detecting all near-surface seed items, this technology has been integrated into industry-standard software.

USA Environmental, Inc.

Customer List

U.S. & State Government

- Arizona Department of Environmental Quality
- Arizona National Guard
- Camp Victory
- Clay County
- Defense Intelligence Agency
- ESTCP
- Fish & Wildlife Services
- Florida Department of Environmental Protection
- Florida Department of Transportation
- Massachusetts Army National Guard
- Pinellas County Public Works
- U.S. Army Engineering & Support Center, Huntsville (USAESCH)
- U.S. Army, Ft. Hood, TX
- U.S. Corps of Engineers, Sacramento District
- U.S. Corps of Engineers, Ft. Worth District
- U.S. Corps of Engineers, Omaha District
- U.S. Navy, Atlantic Division
- U.S. Navy, Northwest Division
- U.S. Navy, Pacific Division
- U.S. Navy, Southwest Division

Construction Firms

- Actus Land Lease
- Beck Construction
- Bovis Land Lease
- COI Enterprises
- GeoGreen 21
- Goodson Construction
- Laguna
- Palmetto Transportation Constructors
- Phoenix Construction
- Progress Energy
- Relyant
- Shannon & Wilson
- Sovereign Consulting
- SW Geosciences
- Terracon
- Unitek
- Universe Technologies

Defense Contractors

- CMS Defense Systems
- GD-OTS
- Northrup Grumman

Environmental Firms

- Aeorstar
- Albion Environmental
- AMEC Earth & Environmental
- American Integrated Services
- ARCADIS
- Bay West
- Bhate
- Cape Environmental
- CH2MHILL
- E2M
- Earth Tech
- Environmental Quality Management
- Guardian Environmental Services
- H&S Environmental
- HDR One Company
- HydroGeoLogic
- Innovative Technical Solutions
- Montgomery Watson Harza
- MT2 LLC
- Parsons Engineering Science
- PES Environmental
- Plexus
- Project Resources
- S&A Environmental
- Stone & Webster
- Terranear PMC
- Tetra Tech / Foster Wheeler
- The Environmental Co.
- Timberline Environmental
- URS Corporation
- World Environmental

International Agencies

- First National Indian Band, Canada

USA Environmental, Inc.

Customer List

A&E Firms

- Black & Veatch
- Brown & Caldwell
- J2
- Jacobs Engineering
- Revis Engineering
- SAIC
- Sosa Engineering
- Zapata Incorporated

Other Firms

- AGVIQ
- Basin Research Associates
- BEM Systems
- Bering Sea Eccotech
- CDM Federal
- Centex Homes
- Dyncorp
- Edgewood Properties
- Ensafe
- EODT
- ERRG
- Geo-Centers
- GEOFON
- Golder Associates
- Harley Davidson
- I.E. Pacific
- JPA/Matrix
- Kingsmill Resort
- Lowry Assumption LLC
- Malcom Pirnie
- NAEVA Geophysics
- Native Hawaiian Veterans
- New World Technology
- Project Management Company
- Spectra / RK Weeks
- Sun American Group
- Textron Systems
- TolTest
- University of Maryland
- University of Nebraska
- Vanasse Hangen Brustlin
- Western Wireless
- Weston

Customer Comments

MEC Removal Action, Camp Butner, NC

"Contractor did an excellent job of working with the numerous private property owners on the former Camp Butner. Completing this work has significant public relations challenges due to the fact that the government no longer owns the property. USA staff were always courteous and professional in working with the property owners"… "They completed the removal action effectively, with 100% accuracy and minimized disturbance to the property owners."... "They did an exceptional job and we would be very happy to work with them again."

Received from USACE South Atlantic Division, Senior Project Manager

UXO Removal Action, Castner Range, TX:

"Of special note was that this eight-month effort, over 29,496 man hours, was accomplished without explosive related incident or accident or injury...".

Letter from Headquarters, US. Army Garrison Command

UXO Services in Support for EE/CA at Badlands Bombing Range, Pine Ridge, SD:

"I am writing on behalf of the Oglala Sioux Tribe's Badlands Bombing Range Project. I am writing to say that we have been very pleased that your company, USA Environmental, Inc. has given our UXO Technician Level I's and UXO Sweep Personnel the on-site field training that is needed in order for them to move to the next level." ..."The working relationship that has been established by this Project and your company is a very valuable one. We are appreciative of the fact that you have given Native Americans that opportunity to gain valuable experience by training/working through your company."... "We are especially appreciative of the fact that USA Environmental, Inc. has taken into consideration the cultural aspects of the Oglala Sioux Tribe and has taken steps to be respective of the area in which work has been done."

Letter from Project Director, Oglala Sioux Tribe, Badlands Bombing Range

USA Environmental, Inc.

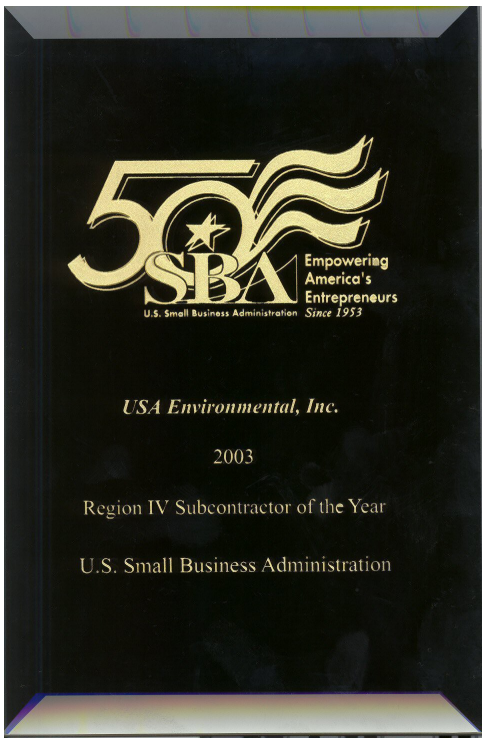
Recognitions

2009, 2006, and 2005

USA's quality of work is evidenced by nominations for an award issued by the U.S. Small Business Administration (SBA). In 2009, the U.S. Navy, NAVFAC Atlantic, nominated USA for "Small Business Prime Contractor of the Year."

In 2005 and 2006, USAESCH nominated USA for the "Small Business Prime Contractor of the Year."

As a result USA received the SBA "Administrator's Award for Excellence" certificate for these three years.



2003

USA Environmental, Inc. (USA) was selected as the "2003 Regional Subcontractor of the Year" for the U.S. Small Business Administration (SBA) Region IV. To qualify for this award, a small business firm must be nominated by a prime contractor that completes a comprehensive qualifications package consisting of safety, production, performance, quality and financial results on active and past contracts in the previous 12 months.

2002

USA was nominated for the "2002 Regional Subcontractor of the Year" for SBA's Region IV and received SBA's "Administrator's Award for Excellence."

USA Environmental, Inc. Munitions Response Services Project Sites

CONUS Projects

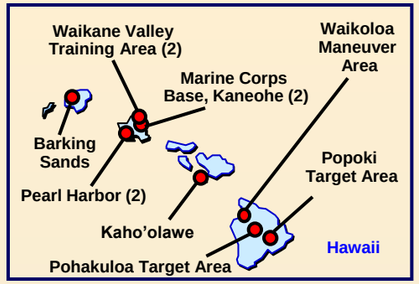
Tulalip Munitions Depot, WA
Ft. Lewis, WA (1)
Yakima Training Center, WA
Hanford Energy Plant, WA
Bremerton, WA (3)
Portland Air-port, OR (2)
Portland Army Air Base, OR
Umatilla, OR (4)
Sierra Army Depot, CA (2)
Beale AFB/Camp Beale, CA (2)
Benicia, CA (7)
Hamilton Airfield, CA
Hollister, CA
Ft. Ord, CA (12)
Hunter-Liggett, CA (4)
Vandenberg AFB, CA
Conf. Client, CA
Edwards AFB, CA (3)
Camp Elliott, CA (3)
Camp Pendleton, CA (3)
Chino Hills, CA
San Bernardino, CA
Salton Sea, CA
Riverside, CA
MCAS Yuma, AZ (2)
Luke AFB, AZ (3)
Williams Field, AZ (2)
Kirtland AFB, NM (2)
Holloman AFB, NM (2)
Melrose, NM (2)
Red Rio, NM (3)
Ft. Bliss, TX (5)
Camp Stan-ley, TX (2)
Camp Bullis, TX (2)
Ft. Hood, TX (2)
Ft. Sam Houston, TX
Lackland AFB, TX (3)
Camp Swift, TX
Red River AD, TX (2)
McGregor, TX
Benbrook, TX
Camp Howze, TX (2)
Walker AFB, NM
Navajo, AZ (10)
Barstow, CA
George AFB, CA
Nellis AFB,NV
Leach Lake, NV
Saylor Creek, ID
Boise, ID (3)
Hill AFB, UT
Tooele Army Depot, UT (3)
Warren AFB, WY (3)
Lowry, CO (11)
Ft. Carson, CO
Airburst R., CO
Wingate, NM (4)
Great Salt Plains, OK
McAlester, OK
Purcell, OK
Ft. Sill, OK (2)
Camp Maxey, TX
Camp Robin-son, AR (3)
Marysville, KS
Pine Ridge, SD (8)
Sioux Army Depot, NE
Nebr. Ordn. Plant, NE
Harvard T.R., NE
Armstrong, SD
Twin City, MN (2)
Mead, NE
Camp Crowder, MO
Camp Chaffee, AR
Eaker AFB, AR (2)
Ravenna, OH (4)
Camp Perry, OH
Selfridge, MI (3)
Savanna, IL (5)
Joliet AAP, IL
Rock Island, IL
Camp Ellis, IL (2)
NSWC Crane, IN (2)
Marion, IL
St. Louis, MO
Ft. Knox, KY
Motlow R., TN
Milan, TN
Memphis, TN
Louisiana AAP, LA
SW Prov. Ground, AR
Columbus AFB, MS
McHenry, MS
Camp Sibert, AL (6)
McClellan, AL (41)
Hurlburt Field, FL
Eglin AFB, FL (4)
Gordon-Johnston, FL
Ft. DeSoto, FL
MacDill AFB, FL (3)
Moody AFB, GA (2)
Avon Park, FL (3)
Manatee County, FL
Kingsbury, IN
JPG, IN (2)
Indiana AAP, IN
BlueGrass A.D., KY
Ft. Camp-bell,KY (3)
Newport Chem.Dep., IN
Spencer R., TN
Arnold AFB, TN (2)
Redstone, AL
Ft. Dix, NJ
Frankford Ars., PA
Yorktown, VA
West Point, NY
Ft. Edwards, NY
Raritan Arsenal, NJ (4)
Picatinny, NJ (3)
Seneca, NY (2)
York, PA
Hadley, MA
Chicopee, MA
Ft. Devens, MA
Boston, MA
Hingham, MA
MMR, MA (10)
Camp Hero, NY
Elkton, MD
Ft. Meade, MD (10)
APG/Edgewood, MD (18)
Indian Head, MD
Lexington Park, MD
Spring Valley, DC (4)
Bloodsworth Isl., MD
Dahlgren, VA (4)
Camp Wallace, VA (1)
Cheatham Annex, VA
St. Juliens, VA (6)
Portsmouth, VA (2)
Corolla Navy Targ. Site, NC
Ft. Pickett, VA
Dune City, NC (2)
Cherry Point, NC
Camp Butner, NC (5)
Camp Lejeune, NC (22)
Lauringburg Maxton, NC (2)
Wilmington, NC
Conway/Myrtle B., SC (10)
Charleston, SC
Camp Croft, SC
Camp Wheeler, GA
Ft. Benning, GA (6)
Ft. Stewart, GA
Woodbine, GA (3)
Cecil Field, FL (5)
Clay County, FL
Orlando Chem. Yard, FL
Pinecastle Jeep R., FL (2)
Brooksville, FL (4)
Kissimmee, FL

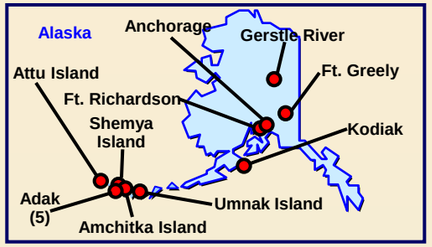
WA, OR, CA, ID, NV, MT, WY, UT, AZ, CO, NM, ND, SD, NE, KS, OK, TX, MN, IA, MO, AR, LA, WI, IL, MS, MI, IN, KY, TN, AL, OH, WV, VA, NC, SC, GA, FL, PA, NY, MD, NJ, DE, VT, NH, ME, MA

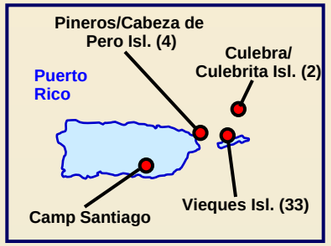
>600 Contracts/Task Orders
355 Project Locations
109 Customers
39 United States, Canada, U.S. Virgin Islands, Puerto Rico, Guam, Commonwealth of the Northern Mariana Islands, Japan, South Korea, Iraq

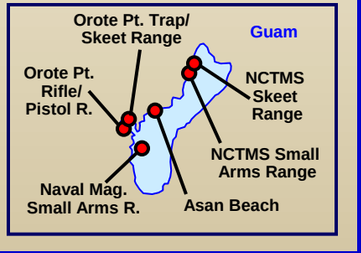
Note: Some Projects/Task Orders are non-site specific; therefore, not shown on the map

OCONUS Projects









USA Environmental, Inc.

Prime Contractor

Munitions Response Services, Worldwide

Contract Highlights

- **26 Task orders to date**
- **Large task orders for work in Iraq**
- **Multiple sites in 10 states**

Munitions & Explosives of Concern (MEC) work performed includes:

- Munitions response including removal, construction support, and safety support
- Range reconnaissance
- Remedial investigation/feasibility study
- Data collection/analysis, and plans & reports

CONTRACT INFORMATION

In February 2004, USA Environmental, Inc. (USA) was awarded a contract from the U.S. Army Engineering & Support Center, Huntsville (USAESCH) for Munitions Response Services and Other Munitions Related Services within the Continental United States and worldwide. This acquisition replaced the USAESCH $200 million/5-year Ordnance & Explosives (OE) Services contracts under which USA had been awarded a contract in 2000. USA was 1 of 10 firms receiving a contract under this new Munitions Response Services program that has a shared ceiling value of $2.175 billion. The contract is an Indefinite Delivery/Indefinite Quantity (IDIQ) type contract and the period of performance is for a base year including provisions for four 1-year optional periods of performance. USA subcontractors for this effort are Parsons, DynCorp International, NAEVA Geophysics, and GEO-CENTERS. Another contract under the same procurement was awarded to Parsons with USA as a significant subcontractor. USA has performed ordnance clearance work and Engineering Evaluation/Cost Analysis (EE/CA) support for Parsons under this contract.

SCOPE OF WORK

The contract encompasses integrating, managing, and executing all specified aspects of Munitions Responses and other munitions related services including system integration, data management, project planning, logistical life support and engineering management, historical data analysis, conceptual site modeling, footprint reduction methodologies, field reconnaissance, remedial investigations, engineering evaluations, and studies, feasibility studies, application of innovative technologies/approaches, geophysical mapping, anomaly discrimination, cost analysis, risk analysis, statistical sampling and analysis, munitions constituents (MC) sampling, removal, storage, and disposal of munitions and explosives of concern (MEC) and other munitions, remedial actions, demining operations, booby trap clearances, disablement of unconventional warfare explosive devices, site security, recurring reviews, regulatory interface, and requirements, stakeholder involvement, community relations, media support, instructional support capabilities, and documentation. It also includes Recovered Chemical Warfare Materiel (RCWM) operations and comprehensive air monitoring for Hazardous, Toxic, and Radioactive Waste (HTRW), MC, and CWM operations. Projects are performed at various Formerly Used Defense Sites (FUDS) and other sites outside the continental United States to permit lands and waters to be safely and effectively used for their intended purpose.

Task Order Examples

MEC Support at South Atlantic Division

For this task order USA has received multiple sub-tasks including Time-Critical Removal Actions at various sites at the Pinecastle Jeep Range, FL. For example at the Odyssey Middle School,

USA mapped 10 acres using DGM, performed a surface clearance around the school area, and institutional controls as well as environmental sampling. Under this task order, USA has also performed educational support under USAESCH's community outreach program at several schools in the surrounding areas: the Former Spencer Artillery Range, TN; Former Motlow Range, TN; Former Camp Wheeler, GA, Camp Sibert, AL; and Pinecastle Jeep Range, FL. USA has successfully presented community education programs to over 12,500 elementary, middle, and high school students and 950 individuals at community organizations.

MEC Reconnaissance, Alaska - USA performed MEC Range Reconnaissance Surveys at Ft. Richardson and Ft. Greely, AK. We provided planning documentation including a work plan, performed historical data review (or archival searches), range personnel interviews, field reconnaissance surveys, and a final report. For this project, USA used an innovative approach by interfacing the GPS (Trimble Pathfinder Pro XR DGPS) with a PDA (Compaq IPAQ 3700) running ArcPad 6.0, which included site aerial photographs, pre-planned idealized reconnaissance transects, property boundaries, and points of interest.

Remedial Investigation/Feasibility Study, Popoki Target Area, HI - USA performed this project for USAESCH and USACE, Honolulu District. The field work and Final Report have been completed. Project objectives included: define current and future land use, delineate MEC and MC throughout the site, conduct risk assessment for MEC and MC, and recommend either a NOFA (No Further Action) or Remedial Action decision. USA performed a site characterization; followed by field investigation and revision of the Conceptual Site Model (CSM) and Remedial Investigation Results. USA utilized our innovative technology, the Personal Data Assistant (PDA)/Differential Global Positioning System (DGPS) data collection tool on this project.

Safety Support/Construction Support, Raritan Arsenal, NJ - USA provided safety support and subsurface clearance for construction activities at the former Raritan Arsenal, Raritan, NJ. USA mobilized a three-man team consisting of a Senior UXO Supervisor and two UXO Technician IIs. MEC work was performed on a trench used for a drainage pipe and munitions debris was also removed from two dirt piles that had been previously removed from the trench. USA excavated and recovered 2,075- MK I 50 pound practice bombs and 24 25-pound Fragmentation bombs; 33,512 pounds of munitions debris was recovered during operations. Construction support was provided under 3 separate mobilizations.

26 Task Orders Received:

- Captured Enemy Ammunition, Iraq
- Coalition Munitions Clearance (CMC), Iraq
- CMC—Mobile Team Support, Iraq
- MEC Range Reconnaissance Surveys, Alaska
- Safety Support/Construction Support, Raritan, NJ
- RI/FS at Popoki Target Area, HI
- Range Reconnaissance Worldwide
- MEC Removal Action, Camp Butner, NC
- Munitions Response/Construction Support, Pohakuloa, HI
- Munitions Response/Construction Support, IPBC, Ft. Benning, GA
- International Operations Center Support, Iraq
- Safety/Clearance Support, Raritan Arsenal, NJ
- Non-TCRA, Culebra/Culebrita Beaches, Puerto Rico
- MEC Support at South Atlantic Division FUDS - Multiple sites
- Range Removal/Constr. Support, Okinawa, Japan
- Removal Action/Construction Support, OMS, Camp Bullis, TX
- Removal Action/Construction Support, UAC, Ft. Devens, MA
- MEC/ICM Surface Clearance, Carmouche Range, Ft. Benning, GA
- Characterization, Savanna Army Depot, IL
- Range Removal/Construction Support, Okinawa, Japan
- Surface Sampling & MPPEH Clearance, Raritan, NJ
- RI/FS Culebra Island Site, Puerto Rico
- Removal Action/Construction Support, Ft. Benning, GA
- Non-TCRA Removal Action, Camp Maxey, TX
- Munitions Response and Construction Support, SQR, Ft. Hood, TX
- UXO Removal Action, DMPRC, Ft. Bliss, TX

USA Environmental, Inc.

Prime Contractor

MEC Remediation, Ft. McClellan, AL

Contract Highlights

- 25 Task Orders received to date
- MEC surface and subsurface clearance
- Safely recovered 4,700 MEC items
- Removed 186,000 pounds of munitions debris

CONTRACT INFORMATION

USA Environmental, Inc. (USA) performed MEC removal at Fort McClellan for Calhoun County, Alabama beginning in November 2007. This is a 5-year contract. Matrix Environmental Services (MES) has been responsible for oversight/management of the project.

SCOPE OF WORK

USA provided a MEC Remediation Work Plan for approval before beginning the field work. Potential work under this contract involves surface sweep in advance of brush removal, aggressive surface clearance (to 6-inch depth), clearance to 1 foot, and clearance to depth. USA's field team consisted of a Senior UXO Supervisor, a UXO QC Specialist, and three 7-man UXO teams. USA completed 25 task orders. Aggressive surface clearance was conducted over 763 acres, Clearance to 1' Depth was accomplished over 235 acres, and 501 acres were surface swept. During those clearances, USA discovered over 4,700 MEC items which were turned over to MES for demolition. A total of over 186,000 lb. of munitions debris and 114,500 lb. of cultural debris were removed from the grids and transported to a central location for sorting and disposal.

The teams recorded over 1,200,000 digs to date. Types of ordnance removed include 3" Stokes mortar, 75mm shrapnel, 37mm HE, 37mm AP, 37mm AP-T, 2.36" and 3.5" rocket HEAT, 60mm mortar HE, 60mm mortar WP, rifle grenade HE and HEAT, slap flares and small arms. The teams also had to contend with ammunition cans, belted machine gun ammunition, M1 carbine clips, jeep and car body targets, K and C ration cans, mobile rifle target track and ties, concrete with rebar, signs, sign posts, bivouac trash and nail pits.

In August 2009, USA proposed the use of X-Ray technology to distinguish high explosive 2.36" rockets from practice rockets. The use of X-Ray allowed 291 MEC items to be reclassified as MD. The elimination of these items from the demolition cycle saved significant field time for the demolition teams and for the removal teams.

Because of our performance at Ft. McClellan, the Calhoun County Commission and City of Anniston presented USA with a Certificate of Appreciation for outstanding service and allegiance to the community in the development of McClellan.

Calhoun County Commission & City of Anniston

Certificate of Appreciation

Presented to

USA Environmental, Inc.

For outstanding service and allegiance to the community in the development of McClellan

Presented this 24th day of November, 2008

Gene D. Robinson
Mayor - City of Anniston

James Eli Henderson
Chairman - Calhoun County Commission

UXO Location, Removal and Disposal, Ft. Ord, CA

Contract Highlights

- Safely performed MEC investigation & clearance on over 2,200 acres
- Investigated 3,087,000 anomalies & safely disposed 32,000 MEC/UXO items
- Removed & properly disposed 34 tons of munitions debris
- Performed MEC operations on 48 different sites, many concurrently
- Worked over 463,000 man-hours
- Completed all MEC work without an explosive-related incident/accident; achieved a .74 EMR
- Passed USACE Quality Assurance on over 9,000 MEC work grids without a QA failure
- Managed over 60 UXO-qualified managers and technicians
- Started the Ordnance Detection and Discrimination Study with Parsons

CONTRACT INFORMATION

USA was the prime contractor and single point of contact to the USACE, Sacramento District, for this $29.4M/4-year site-specific, stand-alone MEC contract at the former Fort Ord, CA.

SCOPE OF WORK

USA performed project management, GIS operation, cost/schedule management, MEC/UXO detection, removal & disposal; MEC and munitions debris investigation & removal; UXO Safety & Quality Control; started the Ordnance Detection & Discrimination Study (ODDS); attended regulatory, community & stakeholder meetings with our client to provide support concerning ongoing MEC/UXO operations, supported the Strategic Management Analysis Requirements Technology Team (SMART); and successfully managed subcontractors to perform mechanical vegetation removal, risk analysis, digital geophysical mapping, and scrap disposal. USA managed an annual average staff of 80 personnel, including over 60 UXO-qualified managers and technicians. USA personnel worked 463,000 man hours, completed all MEC work without an explosive-related incident/accident, and achieved a .74 Experience Modification Rate (EMR). USA passed USACE Quality Assurance on over 9,000 MEC work grids and never had any QA failures. 7 Task Orders were issued under this contract.

MEC operations were performed on 48 different sites, many concurrently, over the 4-year project time span. USA safely performed MEC investigation and/or clearance on 2,200 acres. 3,087,000 anomalies were investigated and over 32,000 MEC/UXO items were safely disposed. 34 tons of munitions debris were removed and properly processed. 8,943 hours of UXO Escort support was provided for non-UXO personnel. USA escorted personnel included an environmentalist, biologist, surveyors, and other government and non-government personnel requiring access to areas containing MEC.

USA managed our subcontractor, Parsons, who perform Digital Geophysical Mapping (DGM) operations on 300 acres. Engineering Support Activities included establishing safe work areas, which prevented unauthorized civilians from entering during intrusive UXO operations. USA also established engineering support services by introducing a large scale vegetation removal machines. This required analysis of the hazards of the operating areas surrounding the machines and the procedures to limit the exposure of personnel to those hazards. USA supported USACE, when requested, at meetings with DoD and State of California EPA regulatory agencies as well as several stakeholder groups. USA also supported USACE at community meetings.

The Department of Environmental and Natural Resources (DENR) of the former Ft. Ord experienced concerns expressed by citizens involving open detonation of hazardous MEC. USA, at the request of USACE, started the Ordnance Detection and Discrimination Study (ODDS). This study was to compare analog and digital geophysical instruments against the vegetation and ordnance types of Ft. Ord. ODDS identified the best instruments to use for the best detection of anomalies at the site.

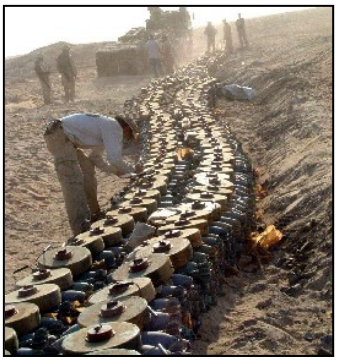
"Instrumental to the success of the project has been USA Environmental, the prime contractor for OE cleanup from 1998 and 2001. USA Environmental has conducted extensive OE sampling and removal actions while maintaining the highest safety standards for their workers." James Willison, Director, Environmental and Natural Resources Management.

USA Environmental, Inc.

Iraq Project Experience

Captured Enemy Ammunition (CEA)

USA worked in Iraq under task orders with the U.S. Army Engineering and Support Center Huntsville (USAESCH). Our first task order focused on the collection and destruction of captured enemy ammunition (CEA) and started Sep 2003. USA performed this large, 1-year task order for the USAESCH. USA's role for this task order incorporated all aspects of project management including project planning and management, logistics, safety & quality programs, and cost/schedule control. USA performed depot management activities and associated depot operations at two depots. These activities included management of ASP/collection points and day-to-day operations, as well as identification, type, and quantity of munitions; management of demolition operations of both unserviceable and priority munitions; transportation of munitions from collection points and remote munitions caches; and surface clearance activities; site investigations, and assessments. USA safely located, identified, and disposed of over 251,000 UXO items and 52,549 short tons of munitions. Subsequently, USA received another task order to continue support the Iraq Coalition Munitions Clearance (CMC) program, which is described below.



Coalition Munitions Clearance (CMC)

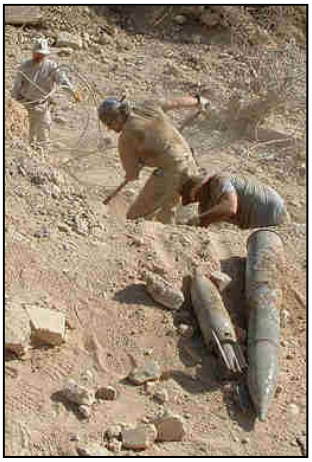
For this large, high-value, multiple requirement, 2-year task order, USA was again responsible for cradle-to-grave management of captured enemy ammunition (CEA) including ammunition depot operations and CEA/UXO removal operations. The work was accomplished at 3 CMC depots and various remote sites throughout Iraq. Operations involved storage, inventory, rewarehousing, transportation, and destruction of CEA and UXO. USA received or destroyed 59,250 short tons of CEA at the three depots and retained 9,600 short tons at one of the CMC Depots for the Iraqi Army. The other two depots were successfully closed and accepted by the local military authorities. USA also managed ammunition supply points/collection points (ASP/CP) and provided security for ASP/CP, transportation operations, demolitions areas, and living areas, as needed.

International Operating Center Support

USA provided support for planning, developing, coordinating and implementing processes and procedures related to depot management and mobile team operations at assigned locations in support of the Coalition Munitions Clearance (CMC) program in Iraq. USA assisted the program Accountable Officer in the operation, maintenance, inventory, document preparation, issue, and receipt of the CMC program weapons to authorized contractors. USA performs Quality Assurance & Contractor Surveillance, estimated human resource requirements, monitored compliance, performed quality assurance checks including time card verification and Government Furnished Property (GFP) inventory validity, troubleshot problems and collected project execution data from the field for proper inclusion of this data into reports and databases.

Mobile Teams

USA's Mobile Team Iraq project was performed for USAESCH as prime contractor and ran for 1 1/2 years. The primary purpose of this Task Order was the reduction of surface Improvised Explosive Device (IED) material, which was available to the insurgents within Iraq. USA's role was overall Project Management, including UXO Operations, Cost/Schedule Control, Logistics, and Safety and Quality Programs. USA performed UXO clearance work at 34 sites and made site assessment visits on 80 additional sites. UXO Clearance activities included the inspection of intact and collapsed buildings, magazines, berms, and bunkers for CEA/UXO. USA personnel were responsible for assessing boxes and containers with unknown content within these structures and for determining the safest way to handle the content. USA located and destroyed 669,057 UXO items. In addition, USA received, stored, issued, and transported explosives. USA averaged 150 convoys per month on this project. USA employed a total 174 UXO, Ammunition and Security Personnel and hired approximately 120 local nationals.



Restore Iraqi Oil

Under another task order with USAESCH, USA supported the Restore Iraqi Oil (RIO) program. We rapidly deployed 29 UXO personnel and had them ready for work in Iraq within 20 days from notice to proceed. USA conducted MEC clearance and demining operations during the initial phase of the oil field restoration efforts and provided continuous UXO escort for oil field personnel during evaluation and repair operations. 14,950 MEC items were located and destroyed during this project. We cleared numerous oil facilities, including gas/oil separator plants in both the southern and northern Rumalia oil fields. In addition, USA personnel cleared over 500 feet of minefield lanes and destroyed over 150 anti-tank and anti-personnel landmines.

Defense Intelligence Agency

USA performed UXO support under two different subcontracts at Camp Slayer, Iraq over a two year period. The first contract was with the Defense Intelligence Agency (DIA), the second directly with Camp Slayer. These projects required 24-hour-a-day, 7-day-a-week EOD response on Camp Slayer. We provided UXO support services ranging from UXO avoidance to identification of unexploded ordnance and unconventional warfare explosive devices. USA also organized an in-depth UXO training class, which was used by over 30 military and civilian organizations including two foreign countries. Over 1,400 personnel attended this course.

Iraq– Construction Support

USA was subcontracted by Earth Tech under their contract with the U.S. Air Force Center for Environmental Excellence (AFCEE) to provided UXO support during the destruction and reconstruction phase of their project in Iraq. We provided UXO support services, including construction support, visual searches, facility inspections, and surveys of excavation sites. USA identified ingress/egress routes in buildings and various facilities, identified MEC, and ensured safe avoidance of MEC during construction operations.

USA Environmental, Inc.

Subcontractor Experience

ICM/Submunition TCRA at DRMO, Picatinny Arsenal, NJ

USA Environmental, Inc. (USA) was tasked to provide ARCADIS with Munitions and Explosives of Concern (MEC) support for completion of an Improved Conventional Munition (ICM)/Submunition Time Critical Removal Action (TCRA) at the former Defense Reutilization and Marketing Office (DRMO) Yard located at the U.S. Army Garrison, Picatinny Arsenal, New Jersey.

The objectives of the project were to perform clearance of all ICM/submunitions located on the surface of the designated clearance area to the extent practical; account for all encountered munitions-related and cultural debris items that are free on the surface; conduct required explosive disposal procedures of ICM/submunition; and provide MEC services in support of tree removal and soil cover.

For this project, USA removed 282 items (180 pounds) of Munitions Debris (MD), 192 items were subjected to explosive disposal action. USA also performed 13 explosives disposal operations and removed 248 Light Anti-Tank Weapon (LAW) sights. An estimated total of 550 pounds of cultural debris was removed from the ICM/submunition area.

All objectives identified in the SOW were met during the course of site activities, and the specific area designated for clearance of ICM/submunitions was accepted as part of a completed surface Removal Action.

MEC Services at Vieques Island, Puerto Rico

Within the last 11 years, USA has worked on 32 subcontracts for CH2MHILL under their Navy CLEAN contract on the island of Vieques and surrounding islands. These services included surface & subsurface MEC investigation and removal; underwater investigation; UXO avoidance during soil borings & fence construction, MEC disposal, UXO escort for geophysical surveying, and vegetation removal. USA safely disposed of over 1,000 MEC items. This work has been performed at various sites on Vieques, including Red, Blue and Green beaches, various SWMU sites, and locations at the Naval Ammunitions Supply Detachment. USA utilized digital data collection methods by using Personal Data Assistant (PDA) hardware for these tasks. USA developed and engineered in-house software programs that when integrated with geophysical analysis, allowed us to produce dig lists. The data was ultimately integrated into a standard MEC type database and Geographical Information System (GIS) that was used by the prime contractor. This led to cost savings, as well as elimination of the duplication of data. It also provided a cradle-to-grave approach for each anomaly selected from investigation and final disposal (if required) to close out the anomaly.

RCWM Scoping and Services Study at Multiple Sites

USA provided field services assistance to Parsons with this intrusive investigation including handling of conventional MEC items, and Recovered Chemical Warfare Materials (RCWM) items, and processing of munitions debris. USA's role is primarily the identification of CWM, due to the unique nature of working in a CWM environment and, sampling and analysis tasks. For this effort, USA trained personnel in the proper use of Personnel Decontamination Stations (PDS), Personnel Protective Equipment (Level A), and the use of air monitoring equipment for intrusive investigation operations and sampling. To date, USA has performed work at various locations including Camp Crowder, MO; Brooksfield Army Airfield, FL; Harvard, NE; Camp Sibert, AL; and Spring Valley, D.C. During the performance of these field efforts, anomalies were investigated, and munitions debris was air sampled prior to disposal in the event of CWM contamination.

USA Environmental, Inc.

Non-DoD Experience

Time Critical Removal Action, Cordova, TN

USA was contracted by the EnSafe in 2010 to provide site services for a Time Critical Removal Action (TCRA) to support the operations at Security Signals, Inc. (SSI) in Cordova, Tennessee. USA provided MEC excavation services in support of a TCRA requested by U.S. Environmental Protection Agency (USEPA) Region IV.

USA began excavation activities on December 7, 2010. Prior to excavation activities, a surface and near-surface survey for MEC was conducted to establish and/or confirm proposed excavation boundaries. Soil was excavated in approximately 1 cubic yard (CY) lifts using a hydraulic excavator with enclosed cab. Soil encountered during excavation activities consisted of highly plastic clay and wet soil was encountered at approximately 2 ft bgs.

Initially, the soil was broadcast onto plastic sheeting and visually inspected by the UXO Technicians to identify MEC. The soil was sorted by hand and MEC items were placed into temporary containers (plastic buckets). Once moist or wet clay soil was encountered, the clay became cohesive and could not be broadcast and sifted. Alternatively, the soil was spread atop a nearby concrete building foundation and allowed to dry. Clumps of dried clay were broken apart and MEC items were removed by hand and placed into plastic buckets. Additionally, temperatures dropped below 32 °F resulting in frozen clumps of wet clay, and impeded removal of the MEC items.

USA encountered a "vein" of MEC items numbering in the thousands or hundreds of thousands order of magnitude above the suspected quantity reported by the site owner. Based on the DOT shipping requirements, each individual MEC item (pin flare) was to be fastened onto plastic bandoliers for subsequent intermediate and outer packaging. The bandoliers, provided by EnSafe, accommodated 7 individual pin flares. USA containerized the pin flare bundles in plastic bags in 55-gallon drums and place the drums in the excavation, to cover excavated soil containing pin flares with plastic sheeting and return the soil to the excavation, and to backfill the excavation with clean soil.

MEC Response Action, Ordnance Products, Inc. Site, MD

USA was contracted by Guardian Environmental Services (GES) in 2010 to provide site services for the clearance and avoidance of MEC to support the GES Environmental Protection Agency (EPA) contract at the Ordnance Products, Inc. Site (OPI) in North East, MD.

The site was used to assemble various munitions products, including grenade fuses, pyrotechnic signals, and detonators, from approximately 1957 to 1979. After manufacturing work ceased, waste materials remained above ground or buried in pits and trenches throughout the site. These wastes included drums of solvents and acids, detonators, and grenade fuses.

USA began work in December 2010. Due to the various disposal techniques used, there were areas of low density and high density. Low density areas were cleared of MEC and MPPEH to a depth of 12 inches or depth of detection and high density areas were cleared using mechanical screening equipment. The soil was excavated utilizing a hydraulic excavator with a blast shield. This was accomplished one cubic yard at a time.

The UXO team recovered approximately 30,000 pounds of Material Documented as Safe (MDAS) consisting of over 200,000 M-213 Hand Grenade fuzes; 350 Mk4 signal cartridges; 500 M1/M1A1 pressure firing devices; and various other munition debris.

USA Environmental, Inc.

Range Removal Experience

Removal Action / Construction Support, Digital Multi-Purpose Training Range Fort Bliss, TX

USA performed a MEC Removal Action and Construction Support at the Digital Multi-Purpose Training Range (DMPTR), Ft. Bliss, TX. Fort Bliss is located at El Paso, Texas, with ranges extending well to the north across west Texas and into New Mexico. DMPTR is located in the northwestern portion of the Dona Ana Range in New Mexico, approximately 25 miles north of El Paso, TX.

The Work Plan for this project addressed the objectives to provide munitions response services to remove MEC, MPPEH, MD, and RRD from the construction footprint for the proposed DMPTR. USA performed MEC operations including location surveying and mapping; surface/ subsurface MEC detection, identification, removal and disposal; avoidance; escorting; and construction support. USA excavated 47,889 anomalies using both hand-dug and heavy equipment to complete the anomaly investigations; performed surface removal of 376 acres, provided construction support to a Ft. Bliss contractor for removing range-related debris from sections of the munitions response site; and destroyed by demolition 126 UXO/MEC items. All activities in areas potentially containing UXO hazards were conducted in compliance with U.S. Army Engineering Support Center, Huntsville (USAESCH), U.S. Army Corps of Engineers (USACE), the Department of the Army (DA), and the Department of Defense (DoD) requirements regarding personnel, equipment, and procedures.

MEC Removal Action, Range 10 Camp Hansen, Okinawa, Japan

USAESCH tasked USA to remove MEC and MPPEH, to include MD and RRD, from the six identified construction sites for the placement of stationary armor target lifters on Range 10, located on Camp Hansen, Okinawa, Japan. The six sites contained 256 previously marked anomalies.

The Removal Action (RA) task included excavating and identifying 256 previously relocated/marked anomalies. The subsurface clearance included the excavation, identification, and disposal of all MEC/MD.

USA removed all MEC and MPPEH on the surface and all subsurface ferrous MEC, MPPEH, MD, and/or RRD of the 256 selected/flagged locations within six locations on Range 10. The subsurface removal of items was accomplished by hand excavating and clearing all anomalies. During the RA, a total of 55 identifiable pieces of MD, one piece of MPPEH, and no UXO were located.

The island of Okinawa presents several challenges, thick jungle vegetation, rough steep terrain and severe weather. These challenges were met with success and the project was completed ahead of schedule and under budget. USA interacted with MCB Japan Range Control on a daily basis to safely and effectively execute the project scope. Although regulatory approval is not required since the project was performed on an active Marine Corps base, USA worked closely with the base to maintain good neighbor relations with the host country of Japan.

Munitions Response/Construction Support, Pohakuloa, HI

The objective of this project was to provide all munitions response services necessary to accomplish construction of the proposed Battle Area Complex (BAX) at the Pohakuloa Target Area, HI. Work involved clearance to depth of detection on 180 acres of construction footprint inclusive of a 10 meter buffer around the footprint; 50 acres of surface conditioning corridors inclusive of a 10 meter buffer; clearance below detection depth for several trenches; disposal of range residue and hard targets; and construction support. In addition, USA provided anomaly avoidance escorts for the cultural and biological monitors as they inspected grids after completion of clearances and inspected demolition craters after demolition operations. The munitions response for this project was performed under firm fixed price.

USA cleared 230 acres of subsurface within the BAX construction footprint and lava surface conditioning corridor. During these efforts, 251,750 subsurface anomalies were excavated. USA located, identified, and disposed of 83 UXO items, 36 Discarded Military Munitions (DMM) items, and explosively vented 36 Material Presenting a Potential Explosive Hazard (MPPEH) items. MPPEH encountered ranged from one intact hand grenade to 105mm training projectiles. USA also accomplished the shipment of 23,923 pounds of munition debris to a subcontractor for demilitarization. USA found no MEC items during clearance of approximately 1,528 meters along the five transects. Despite treacherous footing in the rough a'a lava fields of PTA, USA finished the clearance tasks on schedule with zero lost work days due to accidents.

Range Removal/Construction Support, Ft. Hood, TX

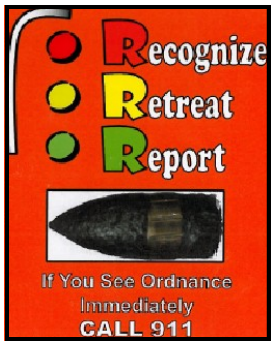
This task order was funded through the Munitions Response Contract with USAESCH and executed by USACE, Ft. Worth District (CESWF). This was a firm fixed price task order and contained multiple requirements and a number of logistical challenges to meet a very tight schedule. CESWF tasked USA to provide range removal and construction support to remove all explosive hazards and substantially intact ordnance items on the surface of approximately 35 acres and subsurface clearance of approximately 20 acres of the construction footprint of the Scout Qualification Range (SQR) at Ft. Hood. USA located and disposed of 93 UXO and 18 DMM items in eight explosives disposal operations during the surface and subsurface clearance. All MD was inspected in accordance with Military Munitions Center of Expertise (MMCX) Interim Guidance Document 06-08, and loaded into a locked storage container furnished by Fort Hood Range Control. The MD recovered during field effort, estimated at 13,267 lbs, was certified by the Senior UXO Supervisor and verified by the CEHNC OE Safety Specialist, as being free from explosive hazards. Throughout site operations USA performed quality control inspections. USA's UXO Quality Control Specialist conducted inspections of all grids, and all were checked and accepted by the Government. The government furnished a roll-off container, in which we stored MD. During the project, USA interfaced with Fort Hood Range Control to coordinate our work with their range training schedule, and to transfer certified MD over to them at the end of the project. In addition, USA provided special training for our MEC clearance teams in operation of the Minelab II detector. Field operations were completed ahead of schedule and within budget.

USA Environmental, Inc.

Community Education Programs

Unexploded Ordnance (UXO) Safety Education

USA Environmental, Inc. (USA) was awarded a task under our contract with the U.S. Army Engineering & Support Center, Huntsville to perform community relations work in the vicinity of Tennessee, Georgia, Alabama, and Florida for the South Atlantic Division (SAD). This work involved presenting community education programs in Munitions and Explosives of Concern (MEC) recognition and safety to local school children, emergency response personnel, and other community organizations desiring such training. The purpose of these programs was to educate the public to recognize the hazards of UXO at these sites, and to know what to do and what not to do if they should encounter it.



Some years ago, two young boys were killed and another seriously injured when they found and were playing with a live round in the Tierasanta area outside San Diego, CA. About five years ago, a young boy lost a hand after playing with a live round that he found at the Former Spencer Artillery Range in Spencer, TN. As a result of these incidents, the South Atlantic Division took a proactive approach to prevent further accidents on sites with similar hazards and a similar degree of public access. This is the reason the community education programs were requested to prevent accidents.

USA Environmental, Inc. (USA) performs community relations work at 13 counties in 4 states involving the following sites:

- Former Spencer Artillery Range in Tennessee
- Former Motlow Range in Tennessee
- Former Camp Wheeler in Georgia
- Camp Sibert in Alabama
- Pinecastle Jeep Range in Florida.

USA has successfully presented community education programs to the following individuals:

- Over 12,500 elementary, middle, and high school students
- Over 950 individuals at community organizations.

These presentations were made available to schools and community organizations within a 20 mile radius of the sites. The programs included a video presentation of "Play It Safe" for the younger children in elementary school and "This Land Is Your Land" for the middle and high school students. The programs also included a PowerPoint presentation, tailored to each site-specific range, including pictures of the types of MEC rounds that were likely to be found at the nearby ranges. After the presentations, the students took part in a question-and-answer session to demonstrate what they had learned in the program. USA gave handouts with the "3Rs" message (Recognize, Retreat, Report) to the students, including such items as bookmarks, bracelets, magnets, highlighters, pocket guides, and posters. USA also provided coloring books for the younger children.

In addition to these school presentations, USA personnel presented community education programs to several emergency response organizations in the area, as well as the Chamber of Commerce, County Clerk's Office, Sherriff's Office, Emergency Management Agency, School Board, County Public Works Office, Boys and Girls Scouts of America, and construction companies. USA also gave presentations at a large community breakfast sponsored by the Rescue Squad and left materials at the local libraries.

As a result of the Community Education Program, USA to date has been able to provide presentations to 34 schools and 16 other community organizations. The programs were very well received by students, teachers, emergency workers and members of the community at large.

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