



**USA Environmental, Inc.**  
A Small Business • Munitions Response Services

*Professionalism  
Responsiveness  
Cost Effectiveness*

## Mission & Capabilities

USA Environmental, Inc. (USA) provides services to government and private sector clients worldwide for characterization and remediation of Munitions and Explosives of Concern (MEC), including Unexploded Ordnance (UXO). Incorporated in 1998 and headquartered in Oldsmar (Tampa Bay), Florida, USA is a **full-service small business munitions response provider**.

**The USA Mission** is to safely deliver all munitions response and environmental services, anytime, anywhere, with innovative solutions for the benefit of our clients, stakeholders, and the communities we serve.

### Our Core Capabilities are:



**Munitions Response Services**  
MEC Characterization,  
Remediation, & Disposal



**Range Sustainment**  
Debris Removal, Range  
Maintenance, & Target Replacement



**Construction Support**  
MEC Avoidance for Construction  
Projects, Cultural & Biological Surveys



**Geophysical Services**  
Digital Geophysical Mapping,  
GPS Surveying, & GIS Mapping



**Underwater UXO Support**  
UXO Dive Teams, (DGM), Remotely  
Operated Vehicle (ROV)



**Community Education**  
Public Involvement & Outreach

## Corporate Overview

Founded in 1998, USA performs environmental remediation under NAICS 562910. Incorporated in the State of Florida, with headquarters in Oldsmar, USA provides MEC characterization and remediation services, including unexploded ordnance (UXO) location, identification, removal & disposal. To date, USA has safely and successfully completed over \$550M of MEC work as both a prime contractor and subcontractor.

USA employs over 250 personnel, including all UXO-related labor categories. UXO personnel are all graduates of the U.S. Navy Explosive Ordnance Disposal (EOD) School or a certified training course.

We have performed over 6 million manhours of MEC-related work on over 770 projects. USA has Safety and Qual-

ity Control Programs and maintains a Corporate Health and Safety Plan. USA prepares Site Health and Safety Plans for each work site. This attention to quality work and safe procedures has led to an average Insurance Experience Modification Rate (EMR) of 0.79 over the last 10 years.

**USA Environmental, Inc.**

**Jodi Vaccaro**

**Senior Business Development Representative**

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## Safety is Our #1 Priority

USA has performed work for over 6 million man-hours with:

- **Zero OSHA reportable accidents or incidents involving explosives or dangerous material;**
- **Zero government / regulatory safety violations**

USA maintains an average National Council on Compensation Insurance (NCCI) **Experience Modification Rate (EMR) of 0.79 for the past 10 years**, outperforming 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. From senior management to every individual working in the field, we are all active participants in USA's Safety Program. The Safety Program, which consists of Safety Officers and certified safety professionals, ensure all of our field operations adhere to our Corporate Safety and Health and Site Work Plans, maintain our Standard Operating Procedures (SOPs), and make aware all safety concerns and any accidents/incidents in a timely manner.

Our safety professionals possess a detailed understanding of the OSHA, DoD, USACE, NAVFAC, and other applicable regulatory requirements and safety standards. USA has an

open-door policy that all personnel can use to voice safety concerns; requires that all employees be committed to performing work in accordance with safe

### *Perfect Record Award*

USA Environmental, Inc  
Oldsmar, Florida

For operating 1,018,078 employee hours without occupational injury or illness involving days away from work.  
March 1, 2010 – January 30, 2012



*John L. Smith*  
John L. Smith  
President & CEO  
National Safety Council

### *Million Work Hours Award*

USA Environmental, Inc  
MEC and Environmental Remediation  
Oldsmar, Florida

For operating 1,018,078 employee hours without occupational injury or illness involving days away from work.  
March 1, 2010 – January 30, 2012



*John L. Smith*  
John L. Smith  
President & CEO  
National Safety Council

work practices; and has empowered all employees to stop work, without retribution, to voice safety concerns or issues.

## Quality Control (QC)/Quality Management (QM)

The goal of USA's Quality Management Program (QMP) is to safely deliver quality services to our customers on schedule and within budget. 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 industry.

USA's QMP is a formal program designed to ensure we provide staff and field employee management with policies and procedures for performing and delivering quality service to our clients.

When required, USA prepares a site-specific work plan and quality control plan. Listed at right are some of the key Quality Standards USA incorporates into its quality programs and plans.

**Planning and Design**—Our comprehensive Corporate QMP forms the foundation for all Site- Specific Quality Control Plans (QCP). Our Corporate Quality Control Manager (CQCM) and UXO Quality Control Specialist (UXOQCS) personnel actively participate in development of each site-specific WP.

**Training**—USA uses only personnel who meet or exceed federal qualification standards. For personnel assigned to quality positions (e.g., UXOQCS), USA conducts formal Quality Management Training at its corporate headquarters. In addition to these requirements, USA performs site specific training per project.

**Quality Awareness**—On each project, we conduct an onsite daily safety briefing. At these meetings USA identifies specific quality considerations for that day's operations and quality issues and concerns arising from QC Inspections.



## Prime Contracts

- ✓ Environmental Remediation Multiple Award (ERMA) (Awarded 2012)  
*Client: US Army Environmental Command*
- ✓ Range Sustainment, MMR, Environm. Compliance & Rem. Services (RS2) (Awarded 2012)  
*Client: U.S. Navy, NAVFAC Atlantic*
- ✓ Munitions Clearance Non-Time Critical Removal Action, Adak, AK (Awarded 2012)  
*Client: U.S. Navy, NAVFAC Northwest*
- ✓ MEC Remediation Services, Ft. McClellan, AL (Awarded 2007 & 2012)  
*Client: Anniston-Calhoun County*
- ✓ Munitions Response Actions (MRA) at Vieques and Other Sites (Awarded 2010)  
*Client: U.S. Navy, NAVFAC Atlantic*
- ✓ Worldwide Environmental Remediation Services (WERS) (Awarded 2010)  
*Client: U.S. Army Engineering & Support Center, Huntsville (USAESCH)*
- ✓ Munitions Response Contract (MRC) (Awarded 2005)  
*Client: U.S. Navy, NAVFAC Pacific*
- ✓ Munitions Response Services, CONUS/OCONUS (Awarded 2004)  
*Client: U.S. Army Engineering & Support Center, Huntsville (USAESCH)*
- ✓ Munitions Removal Action Contract (#2), Vieques, PR (Completed 2007)  
*Client: U.S. Navy, NAVFAC Atlantic*
- ✓ Comprehensive Site Evaluations at Multiple AF Bases (Completed 2007)  
*Client: U.S. Army Corps of Engineers, Omaha District*
- ✓ Munitions Removal Action Contract (#1), Vieques, PR (Completed 2007)  
*Client: U.S. Navy, NAVFAC Atlantic*
- ✓ OE Response & Services, CONUS & Worldwide (Completed 2006)  
*Client: U.S. Army Engineering & Support Center Huntsville (USAESCH)*
- ✓ EOD Support, Camp Slayer, Iraq (Completed 2005)  
*Client: Camp Victory, Iraq*

## Key Subcontracts

- ✓ Environmental Remediation Multiple Award (ERMA), US AEC  
(Awarded 2012) *Client: ARCADIS*
- ✓ Environmental Remedial Action (ERAC), CONUS & Worldwide  
(Awarded 2012) *Client: AGVIO, LLC.*
- ✓ Environmental & Restoration Service Contracts (ERSC), USACE Louisville  
(Awarded 2011) *Client: Plexus Scientific Corp.*
- ✓ MEC Response & Remediation Services Guam and the Pacific Ocean Area, NAVFAC Marianas  
(Awarded 2010) *Client: Unitek Environmental - Guam*
- ✓ Comprehensive Long-Term Environmental Action Navy (CLEAN) Programs  
(Awarded 2008, 2012, & 2011) *Client: CH2M Hill*
- ✓ Worldwide Environmental Remediation Services (WERS), USAESCH  
(Awarded 2010) *Client: Parsons Infrastructure & Technology Group, Inc.*
- ✓ Range Sustainment Contract, U.S. Navy, NAVFAC Southwest  
(Awarded 2009) *Client: Engineering Remediation Resources Group, Inc. (ERRG)*



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## **U.S. & State Government Clients**

- 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. Army Corps of Engineers, Albuquerque District
- U.S. Army Corps of Engineers, Sacramento
- U.S. Army Corps of Engineers, Ft. Worth
- U.S. Army Corps of Engineers, Omaha
- U.S. Navy, NAVFAC, Atlantic
- U.S. Navy, NAVFAC, Marianas
- U.S. Navy, NAVFAC, Northwest
- U.S. Navy, NAVFAC, Pacific
- U.S. Navy, NAVFAC, Southeast
- U.S. Navy, NAVFAC, Southwest

## **Environmental Firms**

- Aeorstar
- AGVIQ/CH2MHILL JV
- Albion Environmental
- AMEC Earth & Environmental
- American Integrated Services
- ARCADIS
- Bay West
- Beautiful Environmental
- Bhate
- Cape Environmental
- CH2MHILL
- CH2MHILL/Kleinfelder JV
- Coastal Environmental Group
- E2M
- Earth Tech
- Environmental Quality Management
- Guardian Environmental Services
- H&S Environmental
- HDR One Company
- HydroGeoLogic
- Innovative Technical Solutions
- Lee & Ryan Environmental Consulting
- Montgomery Watson Harza
- MT2 LLC
- Parsons
- 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
- Osage of Virginia

## **Construction Firms**

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

## **A&E Firms**

- |                      |                          |
|----------------------|--------------------------|
| • Black & Veatch     | • R K Weeks              |
| • Brown & Caldwell   | • Mitsunaga & Associates |
| • J2                 | • SAIC                   |
| • Jacobs Engineering | • Sosa Engineering       |
| • Kleinfelder        | • Zapata Incorporated    |
| • Revis Engineering  |                          |

## **Defense Contractors**

- CMS Defense Systems
- GD-OTS
- Northrup Grumman



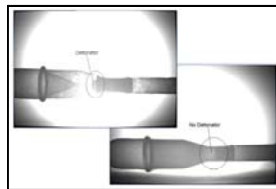
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## Other Firms

- Basin Research Associates
- BEM Systems
- Bering Sea Eccotech
- CACI
- CDM Federal
- Centex Homes
- DuPont
- Dyncorp
- Edgewood Properties
- Ensafe
- EODT
- ERRG
- Geo-Centers
- GEOFON
- Golder Associates
- HAI Group
- 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
- RWP Mechanical
- Spectra / RK Weeks
- Sun American Group
- Textron Systems
- TolTest
- University of Maryland
- University of Nebraska
- Vanasse Hangen Brustlin
- Western Wireless
- Weston
- Woolpert
- WS OPR Investments

## Advanced Technologies



## 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 respectful of the area in which work has been done."* Letter from Project Director, Oglala Sioux Tribe, Badlands Bombing Range

## International Agencies

- First National Indian Band, Canada
- Defence Construction Canada



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## Core Capabilities

### Munitions Response Services

USA performs **MEC characterization** to identify potential risks and develop appropriate response alternatives to reduce human risks associated with **MEC and munitions constituents (MC)**. By working with an accepted, consistent framework, we are able to streamline project activities, make more consistent decisions, and have the necessary documentation to support those decisions. USA focuses on **hazard management choices** made during site evaluation and cleanup of MEC under CERCLA. In addition, **our MEC characterization responses fulfill the National Contingency**

**Plan (NCP) requirement for site-specific risk assessments under CERCLA.**

Examples of our MEC and MC core capabilities include:

- Preliminary Assessments (**PAs**)
- Site Inspections (**SI**s)
- Remedial Investigation/Feasibility Study (**RI/FS**)
- Record of Decision (**ROD**)
- Remedial Design/Remedial Action (**RD/RA**)
- **Remediation, Disposal,** and
- **Range Sustainment**





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## Core Capabilities Cont'd

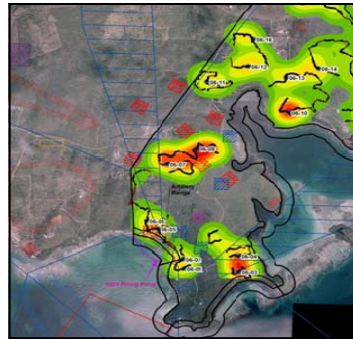
### Geophysical Services



USA provides full digital geophysical mapping (DGM) services. We perform DGM projects, including the support and use of Vehicular Simultaneous Electromagnetic Induction (EMI) and Magnetometer System

(VSEMS). We self-perform using the latest electromagnetic and magnetometer sensors, including EM63, underwater EM61 (used at the former Frankford Arsenal GPO), EM61-MK2 or MK2A and G-858 in single sensor, gradiometer configurations, and towed arrays. USA constantly fields the latest technology and field technicians utilize Personal Digital Assistant (PDA)/Global Positioning System (GPS) data collection tools.

Our DGM Team is led by USA's Program Geophysicist, who has more than 30 years of directly relevant experience. We use Geosoft's OASIS Montaj with UX-Process, the latest QA/QC tools, and UX\_Analyze for processing and analysis.



### Construction Support

USA performs MEC/UXO avoidance to support both horizontal and vertical construction, biological surveys, cultural and archaeological investigations, and underground environmental investigation activities. We have provided this type of avoidance for projects throughout the U.S. and worldwide; anomaly avoidance for the cultural and biological monitors; UXO avoidance during HTRW investigation and fence or road construction; UXO avoidance and identification of unconventional warfare explosive devices; and new range construction.

### Range Sustainment

USA supports DoD's mission to prepare soldiers to fight and win wars by maintaining active ranges. USA provides MEC services to maintain active military firing and bombing ranges, including the periodic removal of MEC and munitions debris (MD) near the impact zone and the maintenance and replacement of targets. USA's range sustainment 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 has extensive experience in performing range clearance activities and managing complicated schedules and concerns associated with active ranges.

### 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 at multiple sites including Lowry Jeep Training Area, CO; Fort Segarra, Virgin Islands; former Camp Crowder, MO; former Camp Sibert, AL; Brooksville Army Airfield, FL; and participated in pre-operational evaluations and Army pre-operational inspection for final approval to commence intrusive investigations.





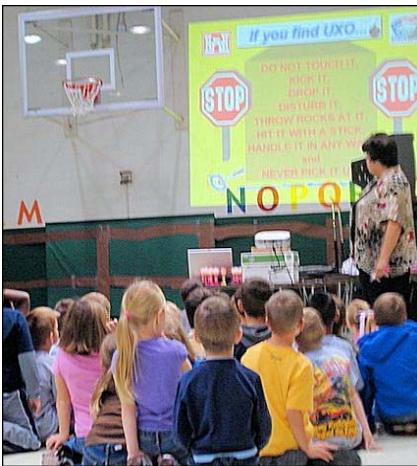
## Community Education

### UXO Safety Education

As a result of several maiming and fatal incidents, **USACE South Atlantic Division (SAD) took a proactive approach to prevent further accidents** on sites with similar MEC hazards and a similar degree of public access by initiating community education programs.

USA was awarded a task under our contract with the USAESCH to perform community relations work in the vicinity of Tennessee, Georgia, Alabama, and Florida for SAD. This work involved **presenting community education programs in MEC recognition and safety** to local school children, website development, emergency response personnel, and other community organizations desiring such training.

USA developed presentations for schools and community organizations within a 20-mile radius of the sites. The programs included two different video presentations for elementary school age children and middle and high school students. The programs also include a site-specific slide presentation, tailored to each range, and including pictures of the types of UXO rounds likely to be found nearby. After the presentations, students took part in a question-and-answer session to demonstrate what they had learned in the program. USA gave hand-



outs with the **"3Rs" message (Recognize, Retreat, Report)** to the students, including such items as bookmarks, bracelets, pins, temporary tattoos, sticky books, dog tags, magnets, highlighters, pocket guides, posters, and coloring books for the younger children.

A complement to the USACE UXO Safety Mascot, Sgt. Woof, USA created a new cartoon character, Roxie and developed a hub page with two educational websites with interactive games, an interactive e-book and a video for students.

<http://www.sas.usace.army.mil/UXO/public/index.html>

To date **USA has been able to provide presentations to 43 schools and 27 community organizations.** The programs are always well received by students, teachers, emergency workers and members of the community.



In addition to 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, Sheriff's Office, Emergency Management Agency, School Board, County Public Works Office, Boy and Girl Scouts of America, and construction companies; additionally we distributed materials to local libraries.



#### USA performs community relations work in 4 states involving the following sites:

- Former Spencer Artillery Range, TN
- Former Motlow Range, TN
- Former Camp Wheeler, GA
- Camp Sibert, AL
- Pinecastle Jeep Range, FL.

#### USA has successfully presented community education programs to:

- Over 13,200 elementary, middle, and high school students
- Over 1,900 individuals at community organizations.



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## Underwater UXO Support

### Underwater MEC Investigation & Response

USA is a small business leader in locating, assessing, characterizing, and removing MEC from an underwater environment. There may be as many as 1 million acres of potentially MEC-contaminated underwater and wetland areas, and contending with underwater MEC can be significantly more complex and expensive than addressing them on land. Thus, both detection and discrimination are crucial components of any underwater search technology, as well as applying a variety of options for completing in-place disposal or removal of these items from underwater areas. USA maintains comprehensive capabilities to address this range of scenarios, including the ability to deploy remote operated equipment/sensors or utilizing trained and qualified UXO divers.



USA understands the critical elements associated with operating safely and effectively in a dynamic marine environment, including thorough consideration and planning for sensitive marine habitat/endangered species. In addition, USA utilizes remote methods to enhance safety of personnel and the marine habitat, including side scan sonar, autonomous underwater vehicles (AUVs), towed DGM and magnetometer arrays, as well as remote operated vehicles (ROVs). Our VideoRay ROVs with Smart Tether navigation/positioning system allows both real time observation and video recording/documentation of underwater environments with accurate GPS positioning.





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## Advanced Technologies and Capabilities

In an effort to keep pace with the need for cost effective technologies, USA employs state-of-the-art technology and approaches to all our project sites. We use a formal and proven review process that identifies, analyzes, and tests proposed innovative solutions for safety, field-worthiness, and effectiveness. The following paragraphs highlight some of these innovative technologies.

USA utilizes innovative, yet field-proven technologies and approaches, including 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.**

Current clean-up methods cannot discriminate between scrap metal and hazardous MEC; as a result, contractors must dig up hundreds of thousands of metal objects in order to identify and remove just a few pieces of MEC. This process is labor-intensive and very expensive. There is no known estimated cost to clean up MEC on known DoD sites. However, Deputy Under Secretary of Defense for Installations and Environment, Dr. Dorothy Robyn, has noted that technologies that can discriminate between MEC and harmless metal objects can reduce DoD's projected cost for MEC cleanup by 75 percent.

USA has been a leader in integrating DGPS and RTK DGPS equipment into the MEC remediation process. We use this equipment to perform project site surveys, to divide sites into manageable work grids, and for recording the location of individual MEC items.



For the EE/CA project at the Waikoloa Maneuver Area, HI, USA evaluated the **multi-gate Electro-magnetic (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.

One example of our use of state-of-the-art technology includes the 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 and has found it exceptionally efficient on large-area surveys.

Another example of our use of advanced technology is the **"TAZ II" system**. TAZ II is armored, tracked-vehicular heavy equipment with an articulating arm to cut vegetation, including on steep slopes. The TAZ proved invaluable on our \$29.4M/4-year Fort Ord project, where it replaced the majority of our manual labor associated with steep slope brush-cutting, thus cutting time and cost and eliminating hazardous work conditions.



In 2006, USA, and subcontractor Timberline Environmental, received a contract from the Environmental Security Technology Certification Program (ESTCP) for the development and demonstration of a remotely operated mechanical excavation and sifting system that removes surface and near-surface munitions in a single pass. The **Range Master** 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. Sifted soil is returned to the site while screened objects are staged for UXO identification and disposal. The range of remote control for Range Master is approximately 5,000 feet.



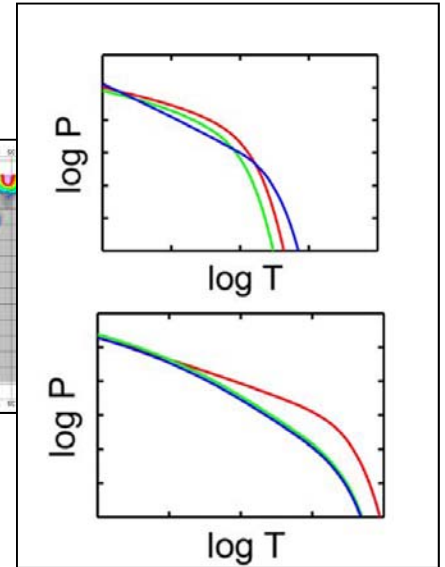
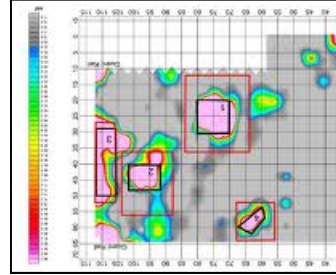
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## Advanced Technologies and Capabilities Cont'd

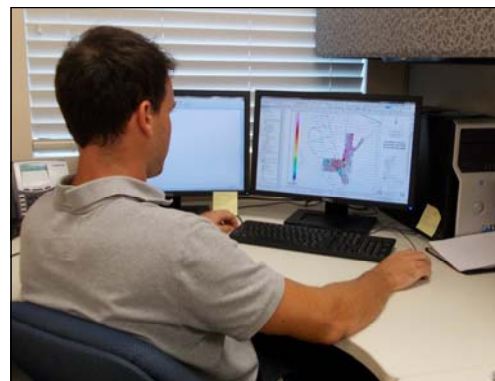
USA's team of geophysicists and mapping experts utilize new sensor technology, including **Geometrics' MetalMapper** and pro-type Man-Portable Electromagnetic Induction (EMI) Array for UXO Detection and Discrimination, or **TEMTADS**, coupled with new processing and analysis software "**UX\_Analyze**" increasing the potential to classify a wide range of anomalies such as MEC/MD/DMM vs. clutter.

**MetalMapper** is an advanced Time Domain EM (TEM) system that provides a large leap forward in the ability to discriminate between buried UXO items and other metallic objects. MetalMapper uses a three-component transmitter and seven tri-axial receivers to characterize each target. Our trained technicians process high quality data to produce **polarizability curves** to characterize the buried object; these curves can be used to calculate the size, depth and shape of a buried metallic object.



The ability to discriminate between scrap vs. UXO items can lead to a 60% to over 80% reduction, in the number of targets investigated, **saving time and reducing cost.**

**MetalMapper**



**TEMTADS**



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### Construction Support

MEC Avoidance for  
Construction Projects  
Cultural & Biological Surveys

### Underwater Capability

Underwater MEC Support  
Dive-Certified Technicians  
Remotely Operated Vehicle (ROV)



### Community Education

Public Involvement and Outreach  
Public Education Programs  
On-Site Training

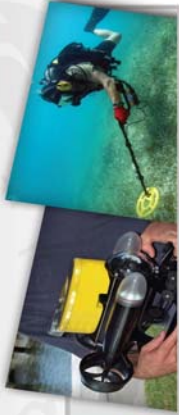


USA Environmental  
Corporate Office,  
Oldsmar, FL

[www.usatampa.com](http://www.usatampa.com)

# USA Environmental, Inc.

## Advanced Technologies & Capabilities



Underwater  
MEC Operations



In-Field  
X-Ray  
Technology



Remote Site  
Operations



Chemical/  
Radiological  
Operations



Shielded  
Excavation



DGM Towed  
Array



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### Munitions Response Services

MEC Characterization  
Remediation  
Disposal



### Geophysical Services

Digital Geophysical Mapping (DGM)  
GPS Surveying  
GIS Mapping



### Range Sustainment

Debris Removal  
Range Maintenance  
Replacement of Targets



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Oldsmar, FL

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## Prime Contracts

### Munitions Clearance Non-Time Critical Removal Action, Adak, AK



In 2012, USA was awarded the Munitions Clearance Non-Time Critical Removal Action (NTCRA), Adak Island, Alaska from NAVFAC Northwest (NW) as a small business prime contractor. USA has a

successful track record at Adak and performed identical work during the 2006 and 2008 field seasons. USA anticipates field work to start in the Spring of 2013. The work includes munitions clearance in three Remedial Action Areas (RAAs), RAA-02, RAA-03, and RAA-04, in Operable Unit

B-2 (OU B-2,) totaling about 323 acres. Since the island is remote the logistics, mobilization and demobilization can be challenging. In order to be prepared, USA works months in advance shipping all site equipment, vehicles, supplies, materials, and generators via barge. Due to the colder weather, the field season typically runs from mid-May through the beginning of November. USA's key team member for this project is PARSONS.



### Range Sustainment, MMR, Env. Compliance & Rem. Services (RS2)

In 2012, USA was awarded the Range Sustainment, Military Munitions Response, Environmental Compliance and Remediation Services Multiple Award Contract (MAC) from NAVFAC Atlantic (ATL). USA was one of three successful bidders who received an award. The services to be provided are range sustainment, such as range residue clearance and processing/recycling of conventional munitions, Chemical Warfare Materiel (CWM), and other materials as necessary, to permit lands and waters to be safely and efficiently used for their intended purpose at sites

in CONUS and OCONUS. To date, USA has won the first task order issued from NAVFAC Washington for a munitions removal action at Marine Corps Base Quantico, Lunga Recreational Area. This task order is for three years and USA's key team member is CAPE.



### Environmental Remediation Multiple Award (ERMA)



In 2013, the J2 USA LLC Joint Venture (JV), comprised of J2 Engineering (J2) and USA Environmental (USA), along with 8

other successful offerors, were each awarded an ID/IQ MAC for SB for the award of ERMA from Army Environmental Command (AEC). The JV is a service disabled veteran owned (SDVO) joint venture and the only SDVO on the SB portfolio. The JV team member is CDM Smith.

USA also teamed with winner, ARCADIS, for the unrestricted portfolio, which also had 10 other winners. This ID/IQ is designed to support environmental remediation services at Army installations nationwide.

The total aggregate maximum amount of award for all task orders on all awarded Contracts for both Portfolios, is \$480M (\$240 per portfolio). Each contract award will consist of a base award of one (1) year plus four (4) one year option periods.



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## Prime Contracts

### Worldwide Environmental Remediation Services (WERS)

- 23 Task Orders to date
- Underwater Task Orders
- Multiple Sites in 8 States and Puerto Rico
- Range Reconnaissance
- Remedial Investigation / Feasibility Studies (RI/FS)
- Data Collection / Analysis
- Work Plans & Final Reports
- UXO Clearance

In 2010, USA was awarded the Worldwide Environmental Remediation Services (WERS) from USAESCH as a small business prime contractor. This acquisition replaced the USAESCH Munitions Response Services, CONUS/OCONUS under which USA had been awarded a contract in 2004. With a shared ceiling value of \$2.175 billion, USA has been awarded 23 task orders to date at multiple sites in the U.S. and Puerto Rico.

**Examples of task orders performed under WERS include:**

#### **Removal Action, Ft. Stewart, GA and Ft. Jackson, SC**

At Ft. Stewart and Ft. Jackson, USA completed geophysical mapping, identification of MEC contamination, and MEC clearance and removal actions on three military training range sites, totaling 92 acres. This project rendered the training range sites safe in order that new training ranges could be constructed.

#### **Removal Action/Construction Support, Scout RECCE Range (SRR), Ft. Bliss, TX**

Valued at over \$2 million, USA performed this Removal Action/Construction Support (RA/CS) for the 228-acre proposed Scout RECCE Range (SRR) located at Fort Bliss, Texas/New Mexico.

As part of the project's phased-in-approach mandated by the Installation and the range Construction Contractor's schedule, USA's MEC field team had 30 calendar days to complete the clearance of the designated construction footprint ahead of each construction crew, maintaining a safe distance between MEC work and range construction activities. USA successfully employed the Phase-In-Approach and maintained a safe distance between MEC teams and the range construction crews. Through open communication and

close coordination with the Government, USA successfully mitigated all potential risks associated with cost, quality, and the rigid schedule. USA commenced and **completed all RA fieldwork approximately 3 months ahead of schedule.**



#### **RI/FS, Culebra Island Site, Puerto Rico**

For this nearly \$6 million RI/FS, USA provides the overall project management, including constant coordination with various project stakeholders including USAESCH/CESAJ, Puerto Rico Environmental Quality Board, Puerto Rico Department of Natural and Environmental Resources, U.S. EPA, NOAA, and U.S. Fish and Wildlife. In addition, we provide community relations support to USACE and the Culebra Remedial Advisory Board (RAB). The terrestrial field work consisted of site preparation activities; geophysical investigations; intrusive anomaly investigations, environmental sampling, MEC disposal operations; Material Documented as Safe (MDAS), range debris and cultural debris disposal and certifications.



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## Prime Contracts Cont'd

### Munitions Response Services, CONUS/OCONUS

- **26 Task orders**
- **Large task orders for work in Iraq**
- **Multiple sites in 10 states**
- **Range reconnaissance**
- **Remedial Investigation/Feasibility Studies (RI/FS)**
- **Data collection/analysis, plans and reports**

In February 2004, 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. With a shared ceiling value of \$1.475 billion, USA performed 26 ordnance clearance task orders at multiple sites in 10 U.S. states and Iraq.

**Examples of task orders performed under this contract include:**

#### **MEC Support, USACE South Atlantic Division**

Under a single task order, USA received multiple sub-tasks including Time-Critical Removal Actions (TCRAs) at various sites at the Pincastle Jeep Range, FL. At the Odyssey Middle School on Pincastle USA mapped 10 acres using DGM, performed a surface clearance around the school area, and implemented institutional controls as well as environmental sampling. Under this task order USA also performed educational support under USAESCH's community outreach program at several schools in the surrounding areas. To date USA has successfully presented community education programs to over 13,200 elementary, middle, and high school students and 1,900 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), conducted interviews with range personnel, performed field reconnaissance surveys, and produced 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.

#### **RI/FS, USAESCH and USACE, Honolulu District**

Project objectives for these task orders 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 also utilized our innovative technology, the Personal Digital 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 under three separate mobilizations, at the former Raritan Arsenal, Raritan, NJ.





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## Prime Contracts Cont'd

Since our inception in 1998, USA has been performing range residue clearance activities and managing complicated schedules and concerns associated with active ranges; operational range clearance (surface and subsurface) of ranges where both non-explosive practice munitions (NEPM) and high explosive (HE) munitions are used; **operational range condition assessments; and target and berm maintenance.** USA also provides range sustainment services and processing/recycling services at operational ranges.

Working at DoD installations both CONUS and OCONUS, USA has inspected, cleared, processed, and certified more than **40 million pounds of recyclable metal and 9 million pounds of non-recyclable debris** screened and cleared for landfill disposal. In the past 5 years alone, **USA has certified**

**3 million pounds of range related debris (RRD)** from the former Vieques Naval Training Range (VNTR), Puerto Rico, in accordance with the Navy's approach to sustainable environmental remediation.

USA has the in-house expertise and demonstrated practical experience to process live, full-scale, and sub-scale practice munitions and inert practice ammunition and targets. Our process for demilitarization not only meets scrap metal industry and military standards, but **optimizes the recycling value in accordance with the DoD Green Procurement Program.** In support of our range sustainment services, the USA Team also self-performs **horizontal construction** to repair roads, and remove, build, install, and maintain down range targets.

### Camp Hansen, Okinawa, Japan



### Digital Multi-Purpose Training Range (DMPTR), Ft. Bliss, TX





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## Prime Contracts Cont'd

### UXO Support for Construction, Camp Hansen, Okinawa, Japan

At Camp Hansen USA performed range clearance and construction support including subsurface MEC removal for the new construction of a training range within the larger Training Range Complex on Okinawa. The scope covered approximately 8 acres of clearance for range construction, excavation of 500 previously mapped anomalies, and UXO avoidance on an additional 4 acres. USA safely located, identified, and turned over for disposal 31 UXO items and disposed of over 150 pounds of munitions debris.

For this project, USA provided rapid deployment of personnel in order to perform MEC removal prior to the land survey. USA deployed additional personnel within 2 weeks of expanded construction support requirements and provided safety support to construction crews, consisting of daily safety briefings, MEC recognition, and safe work practices. In addition, USA performed UXO escort for surveyors, vegetation removal and maintenance crews.

From USAESCH, *"USAE provided exceptional service during my tenure as Project Manager of the Ordnance Explosives Directorate during the year of 2004. USAE's on-site personnel and Contracts Manager provided above-standard customer service and quality. I highly recommend their services for future organizations in need of UXO operations."*



### Removal Action/Construction Support (RA/CS) for Ft. Bliss Scout RECCE Range (SRR) and RA/CS Ft. Bliss Digital Multi-Purpose Training Range (DMPTR)

USA performed MEC/MPPEH and RRD removal (including inspection, verification and certification of MDAS) from the proposed Scout RECCE Range (SRR) and the Digital Multi-



Purpose Training Range (DMPTR) construction footprints, and provided construction support, target maintenance and OMRS for these two sites located on Ft. Bliss, TX (shared border with New Mexico). The technical function of the SRR and DMPTR task orders is part of Ft. Bliss Dona Ana Range operational range assessment, clearance, and maintenance programs. USA managed the project, site, overall quality and safety, fieldwork, regulatory coordination, and reporting. USA met additional performance objectives, determined by the stakeholders during project execution (i.e., the Phase-In-Approach added project resources to meet objectives). USA achieved these additional performance objectives without the need for added requests for a change in scope or equitable adjustment. This project, with over 33,000 man-hours, was met with excellent ratings from the client for management of our quality control and safety programs.



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## Prime Contracts Cont'd

### Fort McClellan, AL

USA has been performing MEC services work for the McClellan Development Authority (MDA) since 2007, and was recently awarded another 5-year Master Services Agreement at Fort McClellan in Calhoun County, Alabama. This contract is administered by Matrix Environmental Services (MES), responsible for oversight/management of the project.

Services under this contract involve surface sweep in advance of brush removal, aggressive surface clearance (to 6-inch depth), clearance to 1 foot, and clearance to depth. To date, aggressive surface clearance has been conducted over 763 acres with clearance to 1-foot depth accomplished over 235 acres with a surface sweep of another 501 acres. Types of ordnance removed at McClellan include 3-inch Stokes mortars, 75mm shrapnel, 37mm HE, 37mm AP, 37mm AP-T, 2.36-inch and 3.5-inch rocket HEAT, 60mm mortar HE, 60mm mortar WP, rifle grenade HE and HEAT, slap flares and small arms.

- 24 Task Orders
- Over 1 Million Digs
- Safely Removed Over 4,700 MEC Items
- Removed 186,000 lbs. of Munitions Debris
- Removed 114,500 of Refuse Debris

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-inch 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.

**For our superior 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.**





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## Prime Contracts Cont'd

### Fort Ord, CA

USA was the prime contractor to the **USACE, Sacramento District, for this \$29.4M/4-year** MEC contract at the former Fort Ord, CA.

USA performed project management, GIS operation, cost/schedule management, MEC detection, removal and disposal; MEC and munitions debris investigation and removal. We maintained Safety and Quality Control; attended regulatory, community and stakeholder meetings with our client to provide support concerning ongoing MEC 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.

Over the 4-year span of the project, MEC operations were performed on 48 different sites, many in concurrence.

USA managed our subcontractor, Parsons, in performing **Digital Geophysical Mapping (DGM) operations on 300 acres**. Engineering Support Activities included establishing safe work areas, which prevented unauthorized civilians from entering during intrusive MEC 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 at meetings with DoD and State of California EPA** regulatory agencies as well as several stakeholder groups.

The Department of Environmental and Natural Resources (DENR) of the former Fort Ord experienced concerns expressed by citizens involving open detonation of hazardous MEC. AS a result, USA implemented an Ordnance Detection and Discrimination Study (ODDS) in order to identify the best instruments to use for the best detection of anomalies.



- Safely Cleared Over 2,200 Acres
- Investigated Over 3 Million Anomalies
- Disposed of Over 32,000 MEC Items
- Disposed of 34 Tons of MD
- Over 463,000 man-hours
- Over 9,000 MEC Grids without a QA Failure



*"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."*

**- Director, Environmental and Natural Resources Management**



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## Iraq

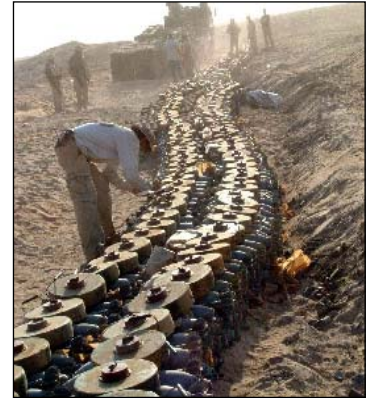
### Captured Enemy Ammunition (CEA)

USA worked in Iraq on **over \$250 M-worth of task orders** with the U.S. Army Engineering and Support Center Huntsville (USAESCH). The CEA task order focused on the collection and destruction of CEA. 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 identification of 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; 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.** Follow on task orders to continue support for the Iraq Coalition Munitions Clearance (CMC) program are described below.



### Coalition Munitions Clearance (CMC)



For this large, multi-requirement, **2-year task order**, USA was again responsible for cradle-to-grave management of CEA including ammunition depot operations and CEA/UXO removal operations. Work was

accomplished at three depots and various remote sites throughout Iraq. Operations involved storage, inventory, re-warehousing, transportation, and destruction of CEA and UXO. USA received or **destroyed 59,250 short tons** of CEA

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 and provided related security for 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 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 performed 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, troubleshoot problems and collected project execution data from the field for proper inclusion of this data into reports and databases.



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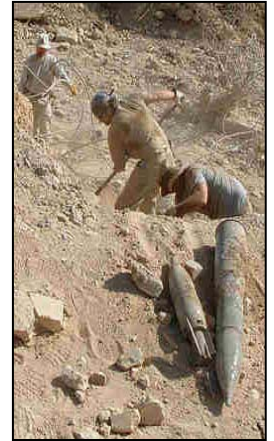
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## Iraq

### Mobile Teams Iraq

USA's Mobile Team Iraq project was performed for USAESCH as **prime contractor and ran for 1.5 years**. The primary purpose of this Task Order was the reduction of surface **Improvised Explosive Devices (IEDs)** used by insurgents. 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. As part of this project, USA located and destroyed 669,057 UXO items, as well as received, stored, issued, and transported explosives. In addition to hiring approximately 120 local nationals, we **averaged 150 convoys per month** and employed a total of 174 UXO, Ammunition and Security Personnel.



### 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 (DIA)

USA performed UXO support under two subcontracts at Camp Slayer over a 2 year period. The first contract was with the **DIA**, the second directly with Camp Slayer. These projects required **24-hour/day, 7-day/week** response on Camp Slayer. We provided UXO support services ranging from UXO avoidance to identification of unconventional warfare explosive devices. USA also organized an in-depth

**UXO training class with over 1,400 personnel** in attendance, which was used by over 30 military and civilian

organizations and two foreign countries.



### Iraq - Construction Support



USA was subcontracted under a contract with the **Air Force Center for Engineering and the Environment (AFCEE)** to **provided UXO support during the destruction**

**and reconstruction phase 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.



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## Recognitions

### 2005, 2006, and 2009

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.



### 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**.

### 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.





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