



National Association of OEW Contractors

Newsletter

A NOTE FROM THE PRESIDENT

June 2009

Happy Summer!

I hope everyone is enjoying a wonderful summer and has had a productive 3Q FY09! In this Newsletter we were honored to have JC King and Herb Nelson as guest columnist. This is another mechanism to further our collaboration across all the aspects of industry. You will also notice we have had a busy spring and early summer with meetings with Bureau of Alcohol, Tobacco and Firearms (ATF), Canadian Department of Defence (DND), the Office of Management and Budget (OMB), a successful Capitol Fly-In and successful testimony to the House Subcommittee on Military Construction, Veterans Affairs and Related Agencies. Information about all of these meetings is captured throughout the newsletter. We are looking forward to the UXO Forum and are planning our well attended NAOC reception on Wednesday, August 26th. During the reception we will award the 2009 NAOC Leadership Awards. We had many great nominations again this year and look forward to recognizing our selected recipients. In addition we've started making plans for our annual Membership meeting for late October/early November. We look forward to a widely attended event that creates opportunities for 1) networking, 2) learning through our diverse speaker sessions and 3) selecting the future leaders of our organization. I anticipate we will be unveiling our NAOC strategic plan and Consensus Standard during this event...Stay tuned for announcement of location and date soon! I want to thank our members and government partners for a great start to the year and look forward to seeing everyone in August!



Heather L. Polinsky

Sincerely,

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Upcoming Events 2009

6-10 July	SRP Workshop Indianapolis, IN
9-14 Aug	Sustaining Military Readiness Phoenix, AZ www.smrconference.com
24-28 Aug	UXO Forum Orlando, FL www.theforum2009.com
1-3 Dec	SERDP/ESTCP Washington, DC www.serdp-estcp.org

NAOC's Vision: To advance NAOC as the global leader for munitions response services.

GUEST COLUMN

SERDP/ESTCP Update

The focus of the Munitions Management components of both the Strategic Environmental Research and Development Program (SERDP) and the Environmental Security Technology Certification Program (ESTCP) has evolved over the past several years.

The ESTCP demonstration/validation program increasingly emphasizes the application of new sensors and new analysis methods at multi-investigator live-site demonstrations. The first of these was conducted at former Camp Sibert, AL in 2007 (<http://www.estcp.org/>) and the second is underway now at former Camp San Luis Obispo, CA. Both of these demonstrations involve the use of commercial and developmental magnetometer and electromagnetic induction sensors coupled with advanced analysis methods to classify anomalies into those arising from targets of interest and those from clutter and frag. The Camp Sibert demonstration involved one munition type at a simple site; San Luis Obispo and following demonstrations will involve more challenging sites with a more realistic mix of targets of interest.

Other demonstrations being sponsored by ESTCP involve the development of hand-held versions of the advanced EMI sensors discussed above, continuing development of the QA/QC module for Oasis montaj, development and demonstration of underwater survey and geolocation systems, filler identification technologies, and the use of LiDAR and historical orthophotography for wide area assessment.

Many of the advanced EMI sensors being demonstrated in the live site demonstrations have recently transitioned from the SERDP research program (<http://www.serdp.org/>). A number of groups are now developing analysis techniques to take advantage of the additional information available from these multi-coil, multi-axis sensors. Methods being investigated range from the basic physics of the sensor response through efficient methods to perform geophysical inversions on the data from these sensors to protocols to adaptively guide the collection of survey data. Both survey and cued data collection methods are being investigated.

SERDP also has a sizable effort in underwater munitions detection and classification. Acoustic, vector magnetometry, and EMI techniques are being developed. Both wide area assessment of underwater ranges and detection of individual items are being investigated. Other on-going SERDP research projects involve the development of advanced magnetometer systems (both total-field and vector), advanced man-portable EMI sensors, and geolocation technologies for sites where GPS is not available.

Additional details on any SERDP or ESTCP project can be found through the program web pages.

Submitted by:

Mr. Herb Nelson, Munitions Manager Program Manager, 703-696-8726 or herbert.nelson@osd.mil

GUEST COLUMN

Recognize, Retreat Report—3Rs for Explosives Safety Education

The Army appreciates the National Association of Ordnance and Explosive Waste Contractors (NAOC) providing it an opportunity to make NAOC member companies aware of the Army's "3Rs" Explosives Safety Education Program ("3Rs" Program). The Army encourages NAOC members to learn the "3Rs"—Recognize, Retreat, Report—and use the "3Rs" message and educational material should they need to implement an education program as part of a munitions response or other munitions-related activities. The Army asks NAOC members to teach their families and neighbors about the "3Rs."

NAOC member companies and their employees are well aware that munitions encountered outside DoD's logistical management system are far from harmless; in fact, they are dangerous. The public, however, is often unaware of the potential hazards associated with military munitions and needs to be educated about these hazards and what to do if they suspect they may have encountered a military munition. Although all should be aware of the hazard, the Army also believes it is important to remind, periodically, soldiers and NAOC members that munitions are dangerous and that they should neither be handled unnecessarily nor taken or kept as souvenirs.

In 2000, a munition that some teenagers had removed from a posted, operational range detonated, killing one, injuring another, and destroying property. In response to this and similar incidences that have occurred over time, the Army began development of its "3Rs" Program.

The Army's intent was to develop a comprehensive, coordinated program that contained a simple, easy to remember message for use nationwide and that would eventually be adopted for DoD-wide use. A separate benefit was eliminating duplications of effort that were both costly and often resulted in mixed or differing messages. In developing the "3Rs" Program, the Army worked with the explosives ordnance disposal and explosives safety communities, risk communicators, educators, media consultants, parents, and its sister Services, and conducted focus sessions at several schools.

SGT Woof is the "spokesdog" for the "3Rs" Program. Although the description of the terms may change slightly given the target audience or subject matter, as a general rule these terms mean:

- **Recognize** - when you may have encountered a munition and that munitions are dangerous.
- **Retreat** - do not touch, move or disturb it, but carefully leave the area.
- **Report** - call 911 and advise the police what you saw and where you saw it.

The Army has developed a series of "3Rs" products. These are geared to different age groups or target audiences. All are readily accessible to NAOC and others for use. Although the material is designed to allow users to make some modifications (e.g., add points of contact, add or change pictures of munitions to be site specific), it is also intended to disallow changing the material's script. The material, much of which is available in Spanish, is also designed to be used anywhere, address specific or general activities, and consider how communities learn. The "3Rs" construction guide, residential handouts, coloring books, fact sheets, videos and public service announcements may be particularly useful to NAOC's member companies.

The Army's "3Rs" Program website (<https://www.denix.osd.mil/uxosafety>) and educational materials are being updated to be more user friendly and reflect 3Rs' Program branding. The Army is also reformatting existing materials to allow the photographs from local sites to be more easily inserted into "3Rs" educational material and developing lesson plans and outreach materials for various age groups.

As a separate action, the Army has been working with the US Army Corps of Engineers, Canadian Department of National Defence and others agencies to develop standardized signage to warn of explosive hazards associated with munitions response sites and other areas where unexploded ordnance are known or suspected to be present. This material, which will eventually be available on the Army's Explosives Safety Education Program website, is available from the Office of the Deputy Assistant Secretary of the Army for Environment, Safety and Occupational Health.

The Army encourages NAOC member companies to use the "3Rs" message, and the "3Rs" Program material. The Army is willing to work with NAOC and others to develop new materials, as needs are identified.

Submitted by:

Mr. J.C. King, Assistant for Munitions and Chemical Matters ODASA (ESOH), 703.697.5564 or jc.king@us.army.mil

NAOC Committees

Operations and Standards

David Keller, Tetra Tech, EC, Inc.
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Mission Statement:

To advise government agencies on operations and standards issues in the areas of, personnel, safety, training, and technology as they relate to OE/UXO work sites.

Government Affairs

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Mission Statement:

Develop, improve and sustain government-industry partnerships through dialogue and interaction with government agencies and organizations.

Operations and Standards

Currently in the Operations and Standards Committee we have two initiatives, the Consensus Standard, where we are currently entering the comments from the Board of Directors and identifying points of contention within the standard. Tom Shehan of TEEEX has been kind enough to offer his staff to make these changes and identify these areas. We presently have scheduled a meeting at TEEEX for June 18th to sit down and come to a consensus on these issues and prepare them for presentation to the BOD. This will greatly help in moving the standard forward. Our other initiative is the coordination with IME, and the ISEE to address specific areas of the Safe Explosives Act with ATF. Rick Hanoski has been leading this effort and has got agreement from ATF to address the issue of the "Portability of the Employee Possessor" ATF approval. We hope to hear good news by the end of the summer.

That's about it from Ops & Std, except to wish you all well and hope to see you all at the Forum in Orlando.

Government Affairs

We held our annual NAOC Spring Meeting/Capitol Fly-In, 23-24 March, 2009, with twenty-six companies sending representatives. During the visits, participants were tasked to give Congressional staff a run-down of NAOC's top three priorities for Fiscal Year 2010:

- Obtain a \$100 million plus up for FUDS
- Obtain a \$100 million plus up for Legacy BRAC
- Obtain \$3 million for technology transfer

In addition, Congressman Blumenauer requested NAOC ask House staff to consider signing a Dear Colleague letter requesting additional funding for FUDS as well as to join the UXO Caucus.

At the time of the Fly-In, the 2010 Presidential Budget requests were unknown. Below is the FY2010 budget figures released:

Program	FY09 Requested	FY 09 Authorized	FY 10 Requested
BRAC 1990	\$393,377,000	\$458,377,000	\$396,768,000
FUDS	\$257,796,000	\$291,296,000	\$267,700,000

Subsequent conversations with Congressional staff have revealed unhappiness with the requested FY2010 funding levels for both BRAC 1990 and FUDS. NAOC will continue to work with Congressman Farris's office on obtaining a \$100 million plus up in the BRAC 1990 Account and with Congressman Blumenauer's office on a \$100 million plus up for the FUDS program. Requests for the FUDS plus up were also submitted through the offices of Congressman Abercrombie (D-HI) and Senator Murkowski (R-AK). In addition, NAOC submitted an appropriations request with Congressman Blumenauer's office asking for \$3 million for technology transfer.

On another front, NAOC's relationship with Congressman Farr's office has yielded a great opportunity. At Congressman Farr's urging, NAOC was extended an invitation to testify before the Subcommittee on Military Construction, Veterans Affairs and Related Agencies. Ben Redmond testified on NAOC's behalf on 23 April 2009. As a result of this hearing, and at the request of Congressman Farr, a letter was submitted for the Subcommittee's record detailing NAOC's belief that there is capacity for the industry to absorb additional funding for UXO cleanup. A copy of the written testimony, a video of the testimony, and the response letter are posted in the "Members Only" section of the NAOC website.

Should you have any questions, please feel free to contact me at any time. I wish you all a good summer and I look forward to seeing you at the UXO Forum.

Technology

SERDP/ESTCP In-Progress Review (IPR) meetings concerning Munitions Management thrust area projects were held in Arlington, Virginia on May 12– 14, 2009. Technical sessions were held over the course of the three days covering military munitions technology development (i.e. underwater systems, new sensors, positioning systems, and discrimination methods). A wide range of presentations were given detailing a number of new technologies. Talking points for each new technology presented include: proposed use of the new technology, current developmental stage, and plans for technology transfer to the geophysics community (the end users). Two new technological advancements that will be available for technology transfer in the near future are (1) an underwater positioning system developed by Desert Star Systems and (2) a generation magnetometer sensor developed by Geometrics. The NAOC was represented by Ryan Steigerwalt of Weston on the first day of the meeting and Jeffery Leberfinger of ARM for the following two days.

The GPO Work Group organized by SERDP/ESTCP to examine the current use and value of Geophysical Prove Outs (GPO) met in April for the final time to address and finalize comments for the new set of GPO guidelines. A final draft of the guidelines will be made available to the GPO work group team for a final “touch-up” prior to publication at the UXO Forum in August 2009. Several NAOC Technology Committee members were in attendance at these meetings. Additionally, Tamir Klaff of CH2M HILL presented the findings of NAME at the Canadian UXO Forum in May and received positive feedback from DND representatives in attendance at that time. The GPO work group is planning to give several presentations covering the new guidelines as well as offering a training course for them at the UXO Forum.

Finally, the report *Identification of Barriers to Munitions Detection Technology Transfer for Unexploded Ordnance Discrimination and Unexploded Ordnance Wide Area Assessment* detailing ESTCP’s project in conjunction with Noblis has been released. Copies of the report have been posted to the NAOC website on the technology page.

Member Services

Thus far, 2009 has been a flutter of activity! The Canadian Affairs Subcommittee to the International Affairs Committee was particularly busy getting itself organized, establishing goals, and focusing its membership efforts on the Canadian DND UXO Forum held May 12 – 14 in Quebec. Thank you so much to those of you who contributed to NAOC’s participation in this important event including those involved in planning, those who participated in NAOC-sponsored activities, and those who volunteered to staff the booth. My special thanks go to Cheryl Kennedy for all her hard work in securing our exhibit space and procuring our spanking new, shiny booth! I hope you were impressed with the new booth design and recognize Cheryl for her handy work. We look forward to expanding our international membership as a result of our attendance and your representation of our organization!

I’m very excited to announce that we’ve added several new members since the last newsletter. Please join me in welcoming our newest members: **Critical Mission Support Services, LLC, Matrix Environmental Services, LLC, Munitions Management Group, and One Stop Environmental, LLC.**

Many thanks to those of you who submitted nominations for this year’s Leadership Award. The deadline for nominations was May 25, 2009. It’s never too early to start thinking about nominations for next year’s award.

Pending events include the UXO Forum in August and our Fall Meeting. Final dates for the Fall Meeting will be determined soon. Watch your email for important announcements!

NAOC Committees

Technology

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Mission Statement:

Promote the research and development of promising technologies and the successful transfer of validated technologies for improved, safe, and cost-effective MEC detection, discrimination, and remediation solutions. Encourage synergy between government, industry, and academia to advance technologies for performing MEC-related site cleanup.

Member Services



Kyra Donnell, CH2M Hill
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email: kyra.donnell@CH2M.com

Mission Statement:

Show maximum value and benefits of membership to retain existing members and attract new members by providing: a) access to industry shapers, b) mechanism for promotion of industry, and c) opportunity to impact breaking industry events and information.

International Affairs

Committee Members:

Deanna Enman (XTech); John Allan (NAEVA Geophysics); Cheryl Mahoney (TLi Solutions); Kyra Donnell (CH2M Hill); Ray Velasquez (ECC); Ray Peek (RONCO); Jonathan Sperka (HGL); Mike Warminsky (UXB); Mark Fletcher (ARCADIS)

I want to thank those International Affairs Special Committee and Canadian Affairs Subcommittee members who represented us at the Canadian UXO Forum, 12 – 14 May 2009; Deanna Enman, John Allan, Cheryl Mahoney, and Ray Peck. Also, I would like to extend a special thanks to Wolfgang Kaske (NOTRA) who set up the entire NAOC booth by himself because my flight did not arrive until after midnight and also thanks to Ryan Steigerwalt (Weston Solutions) who helped me dismantle and package the booth for return shipment. I believe the Forum was a success and those of us who manned the NAOC booth had between 5 and 6 companies that inquired about joining NAOC. NAOC is also looking into partnering sessions with Canadian government agencies; DAER, DND, DCC and the Defence Research and Development Agency. Gilles Belley (DND Program Manager) did say that there will probably not be a Canadian UXO Forum next year, probably just a partnering session with industry, and that in the future they will combine their Forum with the 2011 U.S. UXO Forum.

The Canadian UXO Forum theme was “Leveraging Technology and Safeguard the Public”. The intention was to bring together a diverse cross section of military, industry, science and academic professionals to discuss and share ideas on how best to employ emerging technologies to improve their abilities and those that attended were from this diverse group that they wanted. With respect to leveraging technology some of the very interesting topics that I heard or was told about included; Wide Area Assessment, Demilitarization of UXO, UXO Detection with Active and Passive Systems, Revising the Geophysical System Validation Process, Balanced Perspectives in Addressing Cleanup of Sites with Potential Chemical Agent Munitions, Passive Hyperspectral Imaging Technology, Quality Assurance/Quality Control, Optimization of a Munitions Response Program at the Former Vieques Naval Training in Puerto Rico and of course Heather Polinsky presented NAOC to the audience with Deanna Enman.

The goals for each committee are listed below and the committees will now analyze the validity of each goal and focus on how we will achieve these goals.

- Potential International Goals: Liaison between industry and government; Increasing international membership; Increased visibility at international conferences; Resolving issues for NAOC member firms operating internationally
- Potential Canadian Goals: Increasing Canadian memberships; Discuss issues for firms operating in Canada and Canadian firms working in the US; Technology Application and Transfer; Training and Qualifications; Consensus Operational Standards for Industry

NAOC Committees

Special Committee for International Affairs

Mark Fletcher, Arcadis

phone: 205.441.5636

email: mark.fletcher@arcadis-us.com

Mission Statement: To provide technical and operational standards liaison between industry and government as it related to international projects/work.

NAOC Leadership Award

Concept: Recognition of significant contributions made to improve the NAOC and the industry.

Each year, the NAOC recognizes a government/stakeholder representative and a current or former NAOC member for significant contributions to the Association and/or the munitions response industry through its Leadership Service Award. This year's award(s) will be presented during the UXO/Countermine/Range Forum in August 2009.

We received several great nominees for both government and industry. Please join us at the NAOC UXO Forum event to help recognize the 2009 award recipients.

20th President Conference on Technology, Program & Partnership



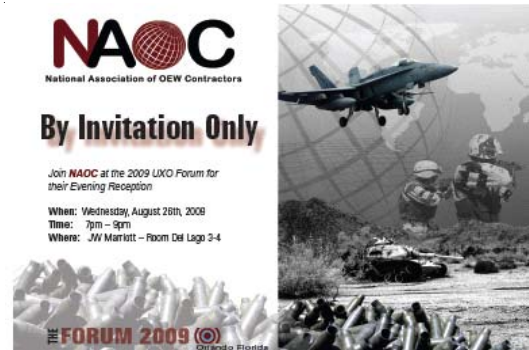
21st Century Explosive Hazard Challenges:
Technology Solutions & Partnerships for Full Spectrum Operations

NAOC is a Bronze Sponsor and Exhibitor at the 2009 UXO Forum in Orlando, FL - August 24-27, 2009. www.theforum2009.com

NAOC will be hosting a hospitality event **by invitation only** on Wednesday, August 26th, 2009 7pm-9pm at the JW Marriott in the Del Lago 3-4.

More information on the event will be available as we get closer to the event. Invitations will be handed out at the conference, available at our NAOC booth.

We will also be looking for Volunteers for Booth Setup/Takedown and Booth Duty - please look for an email in the weeks to come.



CALL FOR SPONSORS

NAOC is looking for Member Firms to sponsor our Hospitality Event at the 2009 UXO Forum.

Sponsorships are \$500 per firm. Sponsorships will help facilitate additional cost to our event and your name and logo will be posted on boards throughout the event as well as a verbal recognition from the President of NAOC.

Please contact Kyra Donnell with any interest in sponsorship by August 3, 2009. Kyra.Donnell@CH2M.com.



Bering Sea Eccotech (BSE) is an Alaska Native Corporation serving a broad range of private and public sector clients. BSE is part of the Bering Sea Group which also includes an emerging 8(a) sister company, Bering Sea Environmental (BSEn). BSE and BSEn offer complimentary core capabilities that span a broad spectrum of range sustainment activities, MEC and UXO capabilities, environmental remediation and site restoration, plus handling and transport of radioactive waste. BSE has approximately 150 employees. Its corporate headquarters is in Anchorage, Alaska with regional offices in Hawaii, Texas, California, and Virginia.

For additional information, contact Dean Hughes, 916-849-7464 or visit www.beringseagroup.com.



Proudly Canadian, XTECH Explosive Decontamination Incorporated is a family owned and operated company specializing in unexploded ordnance and explosive waste management.

Founded in 1994, XTECH is an established leader in providing turn-key solutions to explosives materials issues. Through our solid core of expert staff and from 15 years of industry-specific response, XTECH offers proven successes in the cradle-to-cradle management of military and industry explosives and explosive waste.

XTECH's knowledge-base has been applied to initiatives including R&D and technology transfer, with customized solutions to meet site specific criteria. The project portfolio includes small and large, simple and complex projects alike.

NAOC Contact For XTECH:
Mr Eric Carter - ecarter@xtech-uxo.com
www.xtech-uxo.com



SAIC is a FORTUNE 500® scientific, engineering and technology applications company that uses its deep domain knowledge to solve problems in national security, energy and the environment, critical infrastructure, and health. SAIC provides expertise for the entire munitions and explosives of concern (MEC) response process, from preliminary assessments through closure and transfer of former ranges. SAIC supports development of keystone policies for executing Military Munitions Response Programs (MMRPs) and range sustainability programs, and provides extensive range assessment, construction, and management services. SAIC invests in innovative field-ready technology applications, providing R&D for MEC detection and discrimination, advanced geophysical sensors for land and marine applications, and counter-improvised explosive device (IED) technology.

NAOC POC for SAIC:
Mr. Tom Bell, 703.413.0500, bellth@saic.com



Founded in 1944, Parsons is a full service engineering and construction firm specializing in conquering the toughest logistical challenges and delivering landmark design-build and remediation projects. Our ability to design, construct and operate diverse facilities and perform large-scale remediation, including munitions and chemical warfare materiel, has satisfied our clients' needs for more than 60 years. With more than 11,500 employees located worldwide, we team with an increasingly diverse group of global customers and stakeholders while continuing to provide dependable and quality services. We measure our success one project at a time by exceeding customer expectations and completing all projects safely, on schedule and within budget.

NAOC POC for Parsons:
Mr. Michael Short 678.969.2451
michael.short@parsons.com

NAOC News Gallery -

Things that happened.....Things that are going on

2009 NAOC Spring Meeting/Capitol Fly-In

We held our annual NAOC Spring Meeting/Capitol Fly-In, 23-24 March 2009, with twenty-six companies sending representatives. The event began with an educational session on lobbying the U.S. Congress.

Our lunchtime speakers were Diane Duff and Jennifer Schwartz from the Southern Governors Association, who spoke about advancing NAOC's interests on the state level.



The first day concluded with a UXO Caucus Wine and Cheese Reception with special guest Congressman Earl Blumenauer (D-OR), who made extended remarks, as well as representatives from House and Senate offices and the Department of Defense.

On Tuesday, we began with a breakfast gathering in the Capitol. Congressman Sam Farr (D-CA) addressed the group and offered his thanks to NAOC for their work on UXO issues. He also gave the group advice on how to lobby the Congress. Mr. J.C. King, Office of the Deputy Assistant Secretary of the Army



(Environment, Safety, and Occupational Health); Mr. Stacey Hirata, HQ US Army Corps of Engineers; and Mr. Victor Wieszek, Office of the Assistant Deputy Undersecretary of Defense (Environment, Safety, and Occupational Health) gave additional presentations. The question and answer session at the

completion of the presentations evolved into a substantive dialogue engaging both the speakers as well as the NAOC members. Presentations made by the three speakers are available in the "Members Only" section of the NAOC website.

Tuesday afternoon attendees visited twenty-five offices in both the House and Senate. Feedback from NAOC attendees was positive. Through these visits, we were able to establish relationships with several members of the U.S. Senate, of which a few have expressed interest in helping to champion NAOC/UXO issues.

*From our Government Affairs Chairperson,
Ms. Victoria Kantsios, URS Corp.*

Canadian UXO Forum

12-14 May 2009

For those of you who were not present at the Canadian UXO Forum, it was an interesting event. We had 3-5 attendees very interested in joining the NAOC and a lot of cautious on lookers.



We were able to meet with the DND Program Manager, Gilles Belley. We were able to discuss NAOC, our role and what we think we can offer.

There will not be a DND Forum next year but they will combine with our 2011 UXO Forum and then proceed that way in the future. Next year it will be a round table meeting in Ottawa so DND can brief the contractors on issues, changes and the program in general.

For more information please contact our Member Services Committee Chair, Ms. Kyra Donnell, kyra.donnell@CH2M.com or 865.560.2883

Published - EM 385-1-97 Explosives Safety SOH Requirements Manual

The subject EM is on the USACE Publications web at <http://140.194.76.129/publications/eng-manuals/em385-1-97/toc.htm>

SECOND INTERNATIONAL DIALOGUE ON UNDERWATER MUNITIONS

February 25 – 27, 2009
Honolulu, Hawaii

The Second International Dialogue on Underwater Munitions was held February 25 – 27, 2009 in Honolulu, Hawaii. One hundred fifty-two (152) participants attended from the following ten (10) nations: Belgium, England, Norway, Poland, Switzerland, Canada, Japan, Philippines, Russia, United States

From the U.S., the following government agencies were represented: Department of the Army, Environmental Protection Agency, Office of Secretary of Defense, Department of Fish and Wildlife, Army Environmental Command, National Oceanic and Atmosphere Administration, Army Corps of Engineers, SERDP/ESTCP, Navy, National Laboratories, Department of Interior, State National Resources Department, Native Hawaiian Groups

Add to this list representatives from academia, equipment manufacturers, and private industry contractors. Quite an assembly of subject experts were present to jointly address the issues. The three day meeting featured keynote speakers Tad Davis, US Army, Andrzej Jaquiesvicz, Polish Ministry of Environment, and Albert Marshall a Mikmaq elder. Parallel technical breakout sessions were held each day, covering the gamut of topics such as undersea munitions assessments, historic disposals, toxic chemical dispersion and analyses, risk assessment, locating and recovery technologies, and remote operated vehicles (ROV), autonomous vehicles (AUV) and other robotics.

The objective of the conference was to help the underwater munitions community advise stakeholders to understand, quantify, and manage the risk, and to generate the scientific data needed to make safe risk-management decisions.

The conference was capped off with an optional field trip to the “ordnance reef” off of Waianae Harbor with snorkeling and turtle watching.

The “underwater munitions remedial industry” appears to be in its early stages...mainly comprising inventorying and prioritizing the sites, and developing the technical approaches and equipment to efficiently access and remediate the sites. Hopefully, assessment and remedial contracts will follow.

A third dialogue is planned for 2010 at a still to be determined location.

The attendance list and presentations are being posted to the NAOC website.

Status of NAOC Strategic Plan

The Strategic Committee will finalize the Mission Statement and SWOT Analysis by the end of June resulting in the establishment of Strategic Objectives. The mission Statement will be forwarded to the Board when complete.

- Strategic Objectives will be specifically defined by accompanying commentaries (one to two paragraphs) along with proposed owners (e.g. Committees or individuals, where appropriate) and a flow chart of how they relate to one another completed by early/mid-July for BoD and Committee review, prior to being finalized in late July.
- Concurrently the Strategic Plan will include a “map” of objectives with an identification of specific initiatives and performance measures. Draft Initiatives and performance measures to be sent to the Board and Committees by mid to late August depending on extent of comments on the Objectives.
- The Draft Strategic Plan reflecting all of the above to be provided to the Board by mid September for roll out to membership. Feedback will be solicited between roll out and membership meeting. The Draft Plan will be passed to new Board for finalization and execution.

For more information contact:

*Mr. John L. Bowles, ECC
jbowles@ecc.net or (757) 496-5623*

Call for Photos

The Member Services Committee is updating the NAOC Brochure and is in need of photos that represent the interests of the organization.

We are looking for Munitions Response related photos that are eye catching, action-oriented, push technology, and reflect the breadth of the operating environment (e.g., underwater, in the field).

Please send no more than 4 photos. Refrain from sending photos that show any definable company names or company-specific identifiable features.

By submitting your photo, you agree to transfer copyrights to the NAOC. If your photo is selected, you will be asked to sign a copyright transfer form.

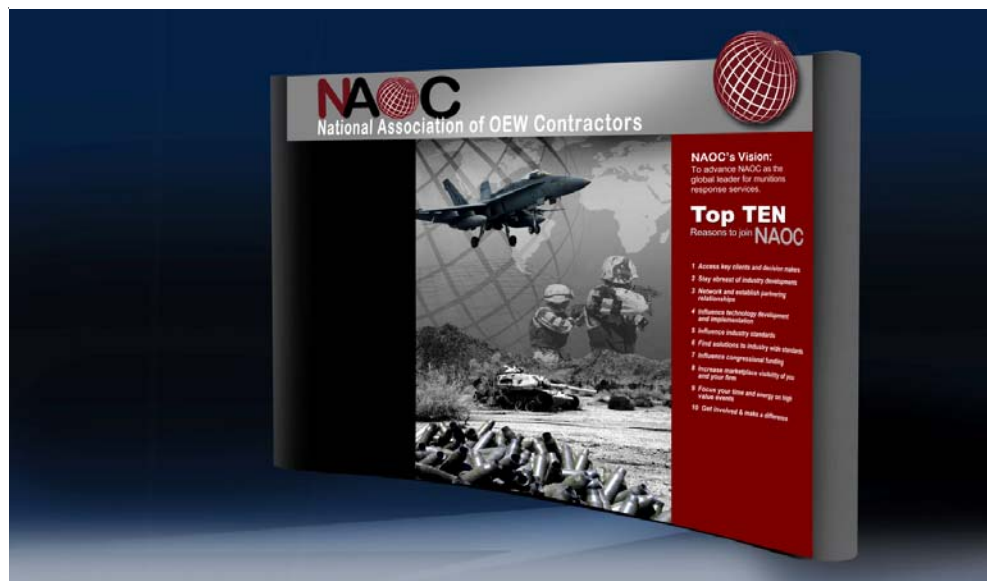
Please forward all photos to the Member Services Committee Chair, Ms. Kyra Donnell at Kyra.Donnell@CH2M.com.

Thank you in advance.

NAOC has a New Booth!

Thank you to the Board for their input.

The new booth was displayed at the DND Canadian UXO Forum and will be used at the 2009 UXO Forum.



CONGRATULATIONS TO MMG - They have won the bid on the old NAOC Booth

Calling all Small Business Member Firms

NAOC Booth for Auction
Minimum Bid starting at \$550
Which includes everything below plus shipping costs

This pop-up display comes with a quality self locking frame. Channel bars make set-up and take-down a breeze while wheeled transport case makes shipping easy.

10 x 10 exhibit display

Includes:

- 1 10x10 frame
- 4 Fronrunner (Black) fabric panels
- 2 halogen lights
- Individual channel bars
- All-in-One Case

Dimensions

- Height: 96.0"
- Width: 120.0"
- Depth: 32.0"
- Total Weigh: 91 lbs

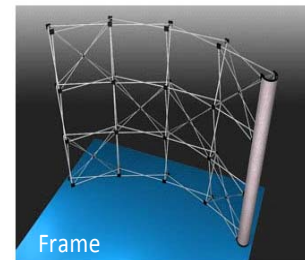
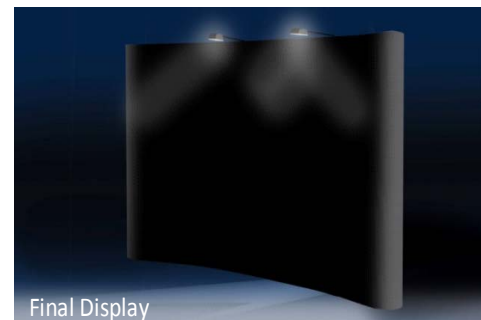
Note: that you can display graphics on the carpet panels with laminated velcro graphics. Or you can purchase custom graphics for the display as well. You would have to contact an independent graphic company for that information.

This unit is 2 years old. A brand new one runs for about \$1200 + tax and shipping.

Please submit all bids by June 19th, 2009 to Cheryl Kennedy (ckennedy@pirnie.com).

At the end of the auction– the highest bid wins and you will be contacted for shipping address and instructions.

If you have any questions regarding the display you can also contact Cheryl Kennedy at email above or 914.641.2820.



*** Note - this auction is only available to Small Business Member Firms**

ANNOUNCEMENTS

In Memory CAPT Phil Hough

CAPT Phil Hough, a 1968 Naval Academy graduate and career EOD officer who commanded the reserve unit in Indian Head, MD in the late 1980s, passed away Friday evening (3 April 2009). No details about the cause of his death or services to be held in his honor are available at this time.

CAPT Hough retired four years ago and continued to serve the EOD community through several different companies: IBD, UXB International, and U.S. Land Solutions. Anyone who would like to express their condolences is encouraged to contact his daughter, Stacy Smith at (202) 276-2250.

NEWS RELEASE

Source: Bay West, Inc.

Contact: Bryan Murdock, Group Manager
Phone: 651-291-3473
E-mail: bryanm@baywest.com

For immediate release:
May 7, 2009

Bay West, Inc. Announces Opening of Duluth Office

St. Paul, Minnesota—Bay West, Inc., an environmental and industrial services company, today announced that it has opened an office in Duluth, MN. The office is managed by Greg Prom, CHMM, Project Manager, who brings 14 years of experience in the environmental industry. Mr. Prom will be working with Government, municipal, and commercial customers throughout northern Minnesota and western Wisconsin to provide environmental investigation and remediation services.

Bay West is very familiar with the Duluth area, having been founded there in 1974. During the 1980's, Bay West consolidated into a new facility in the Twin Cities, and continued to build its customer-base throughout the State. *"A Duluth office is an integral part of Bay West's growth plan and our desire to be more accessible to our northern Minnesota and western Wisconsin customers,"* said Bryan Murdock, Environmental and Industrial Services Manager.

Celebrating its 35th year, Bay West provides environmental consulting, remediation, industrial cleaning, waste transportation and disposal, and emergency response services to government and commercial customers nationally, and has offices in St. Paul, MN (HQ), Duluth, MN, Seattle, WA, Spokane, WA, Kalamazoo, MI, Kalispell, MT, Goldsboro, NC, Grand Island, NE, and Cincinnati, OH.

In Memory Mr. James K. Coppola

James K. Coppola passed away on April 21, 2009 due to complications associated with stomach cancer, which he battled for the last 16 months. Jim was a lifelong resident of Fredericksburg, moving away only to accommodate his education and career. He was a 1971 graduate of James Monroe High School, who received a Masters of Science degree in Environmental Health from East Carolina University in 1978, and a masters of Engineering degree from the University of Virginia in 1980. Jim started his environmental engineering career working as a civilian with the U.S. Army in Germany for five years before transferring to the Corps of Engineers headquarters in Washington, D.C. There he worked for more than 20 years co-managing the multibillion-dollar Formerly Used Defense Sites program. This program remediates the environmental damage from chemical and munitions contamination created by the Department of Defense at thousands of properties across the United States. Jim was an enthusiastic sportsman and committed preservationist throughout his life spending most of his winter weekends hunting grouse in his beloved Blue Ridge Mountains. He became an elite fisherman, who got his start as a teenager prowling the Rappahannock River at every opportunity. Jim's vacations during the last decades were spent plying his fly rod on the legendary Western trout waters. A fearless and determined explorer, he often hiked alone 10 miles and more to set up base camp to access the most pristine wilderness areas. Jim ranged from British Columbia to New Mexico but believed Jackson Hole, Wyoming to be the epicenter of the best wilderness trout fishing remaining on the Planet. A seasonal citizen of Jackson Hole he spent weeks there each summer exploring the remote waters of the Grand Teton and the Yellowstone National Parks. A true friend of the Earth's wild places is gone. Jim was preceded in death by his father Joseph E. Coppola. He is survived by his mother Betty Coppola of Fredericksburg and his brothers and their wives, John and Cindi Coppola of Jacksonville, FL, Joseph C. and Candy Coppola and Dr. David and Cindy Coppola of Richmond, VA, as well as six nephews and two nieces. A memorial service was held at the Mullins and Thompson Funeral Home, 1621 Jefferson Davis Highway, Fredericksburg, VA on April 25th at 4pm. Expressions of sympathy may take the form of donations to Friends of the Rappahannock or the Jackson Hole Wildlife Foundation.

EM61-MK2 Response of Three Munitions Surrogates

The MMRP community is evaluating more efficient ways to evaluate DGM Quality Control (QC). In the past very elaborate and expensive geophysical prove outs have been executed to determine the performance of specific sensors for a specific site and site objectives. A discussion has been going on within the industry to do a smaller more standardized test strip and combine that with a comprehensive blind seeding program. In order to help make this a cost effective solution pipe surrogates have been evaluated as UXO surrogates for the test strip and blind seeding program. In order to provide information to the planning community a study in support of ESTCP was performed to determine the EM61-MK2 Response of Three UXO pipe surrogates. It was performed and reported by Herb Nelson, NRL (currently at OSD) and supported by SAIC and Nova Research Inc. As part of the study target responses for three pipe surrogates used as surrogates for commonly encountered UXO items were calculated from measurements made using the recently developed NRL Time-domain Electromagnetic Induction array. These response coefficients were used to predict the signals expected from an EM61-MK2 for each of the three items as a function of orientation and distance of the center of the item below the bottom coil of the sensor. EM61-MK2 survey measurements were made over the surrogates at the NRL Blossom Point Test site to confirm the predictions. The predicted EM61-MK2 signals are presented graphically as plots of the minimum signal expected at the second time gate as a function of distance from the sensor with the confirming survey measurements plotted on the same axes. The minimum signal at each of the four gates available from the EM61-MK2 is tabulated for depths corresponding to 3x, 5x, 7x and 11x the object's diameter and all the results obtained are attached as tables in the study report. The report is entitled *EM61-MK2 Response of Three Surrogates (NRL/MR/6110-09-9183)* and was released by NRL on March 12, 2009.

Dear NAOC Members,

I just want to provide you a quick update on the Economic Stimulus bill signed by President Obama. NAOC met with HQ US Army Corps of Engineers in late January. The Corps of Engineers requested via the Department of Defense \$300M for FUDS, which NAOC supported. However, when the House of Representatives released their version of the bill, there was no funding for FUDS. However, there was a provision of \$300M to address cleanup at Legacy BRAC sites, which NAOC supported. When the Senate released their version, there was no mention of Legacy BRAC.

The final bill does not include money for Legacy BRAC environmental cleanup. It does include \$100M for FUSRAP, Formerly Utilized Sites Remedial Action Program, for expenses necessary to cleanup contamination from sites in the United States resulting from work performed as part of the Nation's early atomic energy program. There is also an additional \$5B for "Defense Environmental Cleanup", but it is allocated for Department of Energy site cleanup. (This was clarified with the Appropriations Committee Staff.)

NAOC will continue to pursue additional funding in the FY10 appropriations bill for FUDS, Legacy BRAC, and Technology Transfer.

Please feel free to contact me with any questions or concerns.

Victoria

Victoria Kantsios
NAOC, Vice-President and Government Affairs Committee Chair
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Congratulations to UXO Tech Class #36

Congratulations to UXO Tech Class #36 who graduated June 12th. The course concluded with a class average of 88%. The class Honor Graduate, Angel Cruz, maintained the top individual grade point average of almost 97%. Although not all 24 participants who began the course successfully completed it, 21 Tech - I professionals are now ready to enter the field in support of NAOC companies working throughout the US. In support of these NAOC member companies, TEEX hosted another career day. This event continues to provide a great service to graduating technicians and has become a valuable resource for each as they enter the industry. TEEX would like to thank those NAOC member company representatives, Martha Freeman from PIKA Inc. and Sammie Hawkins from EODT for either taking time to come see us here in College Station, TX or sending hiring materials in their place to be completed by all graduates.

We look forward to seeing other NAOC member companies back again for our next UXO Career Day scheduled for July 31, 2009. Please contact us at 979-845-6677 to confirm your attendance and availability for lunch with the UXO training staff and graduates.

Submitted by:

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Defense Environment Alert - 6/9/2009

LAWMAKER SEEKS TO PUSH UP FUNDING FOR BRAC, FUDS CLEANUPS

A key Democratic lawmaker who has often pushed DOD on pursuing BRAC cleanups is seeking significant boosts in funding for cleanups at both closed bases and formerly used defense sites (FUDS) as part of the upcoming fiscal year 2010 appropriations bills for defense and military construction spending. The measures together would increase funding by \$200 million for the programs.

The push comes as the unexploded ordnance (UXO) cleanup industry is indicating it has much greater capacity to conduct UXO cleanups than is currently being utilized, even as DOD notes that regulators would not have the staff on board to handle oversight of a significant increase in UXO cleanup. The U.S. Army Corps of Engineers, which oversees cleanup of FUDS, has been under fire for its inability to deal with a huge backlog of FUDS properties that require cleanup of unexploded munitions. UXO can impede moving FUDS and BRAC land toward new uses.

The Corps itself has previously sought to boost funding for these efforts. Overall, the cleanup of military munitions is expected to cost billions of dollars, with DOD estimates for cost-to-complete cleanup at all active installations and FUDS set at \$17.8 billion, according to a 2007 DOD report.

Rep. Sam Farr (D-CA) has made “programmatically requests” to the fiscal year 2010 military construction and defense appropriations bills, to add increases to the cleanup program that funds cleanups at FUDS and at sites that are part of pre-2005 BRAC rounds, according to a spokesman for his office. Farr’s proposal would add \$100 million to the BRAC 1990 account to reach a total of \$558 million, while he would also increase the FUDS appropriation by \$100 million to total \$391 million, according to information released by his staff. Farr sits on the appropriations military construction subcommittee.

Farr in his written request to boost FUDS funding says DOD should be making cleaning up its lands and returning them to communities a priority. “Investing in cleanup and land transfer now reduces future remediation costs, protects our communities, employs skilled technicians, and lays the foundation for further economic growth as transferred land returns to productive use as recreational, commercial, or residential developments.”

Farr recently questioned DOD on whether it was fully investing in cleanup of UXO to the maximum extent. Citing a recent letter from a UXO cleanup contracting association, Farr at a May 19 House hearing questioned why DOD is spending just \$500 million annually on such cleanups, when the industry has the capacity for \$1.5 billion worth of work.

“It’s just that if we’re looking at this in the future and thinking that we’re meeting capacity, we’re not,” he said. “And you know, a lot of us ... with old bases are interested in getting them cleaned up.”

DOD Installations & Environment chief Wayne Army at a previous hearing held in April had noted to the same subcommittee DOD’s inability to clean up faster, citing for instance the extensive amount of planning involved.

At the May 19 hearing, Farr made reference to a May 12 letter from the National Association of OEW Contractors (NAOC) to the appropriations military construction committee in which NAOC disagrees with DOD’s assessment, noting that the industry has “significant untapped capacity.”

The letter says congressional testimony given by DOD “suggested that the industry could not absorb any more funding for the cleanup of [UXO], that DoD was working as fast as they possibly could to cleanup outstanding sites, and that there was no need to be pouring more money into cleanup because it could not go any faster than it already is. NAOC, as the representative of the companies that make up the UXO industry, respectfully disagrees.”

“It is our estimate that the industry can currently support funding of approximately \$1.5 billion per year, while the DoD funding for the cleanup of UXO has traditionally been approximately \$500 million per year,” NAOC says. It adds that as Iraq operations slow down, the industry’s capacity will rise.

But a military source notes there is more to it than just how much capacity the industry has. Using all that capacity is limited by the capabilities of the regulatory community to oversee the additional UXO cleanup that would result, the source notes. Even if \$1 billion were put into the program, “we could not carry out [that] program because the regulatory [community] and military can’t match NAOC’s capacity,” the source says. And the source points to a passage in the NAOC letter that states NAOC cannot speak to the capacity of DOD or regulatory bodies involved in UXO cleanups. *The letter is available on InsideEPA.com.*

At the same time, the military source concedes there is some room to increase there is some room to increase the funding for UXO cleanup.

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VRHabilis: Saving South Beach

Naval Aviators in World War Two had a serious challenge; hitting targets ashore while flying over water with no spacial references. They had no computers or advanced targeting systems to help them so they had to rely on pure skill. To hone those skills the aviators made practice run after practice run, transitioning from over water flight to over land flight, pounding the targets on the beach. One of those aerial range beaches (rented for a dollar a year during WWII) is South Beach on the Island of Martha's Vineyard. Then a sleepy island, Martha's Vineyard is now a haven for the rich and famous and a major tourist destination. The legacy of WWII, however, presents a hazard to the public in the form of "Mighty Mouse" rocket motors and MK 23 practice bombs lurking in the surf.

Presented with the challenge of clearing from the high water line to 100' seaward of the low water in sometimes brutal surf, VRHabilis devised a plan to safely, efficiently and effectively clear the hazard from that area. There were several challenges but none that could not be over-come with careful planning and inventive thought.



VRHabilis mobilized a surface supplied dive team to the site. Diving Kirby Morgan hard hats with mounted cameras allowed the diving supervisor and quality oversight to have communications with the diver and to see what the diver was seeing in real time. Working on a running jack stay the diver was able to search from the break to 110' off shore (ensuring adequate overlap). Complimenting the visual search, the diver utilized a Schonstedt in a VRHabilis designed waterproof pressure housing. The Schonstedt was hard wired into the diver's helmet to allow both the diver and the topside watch to hear its signal. Upon locating an anomaly, the diver would do an initial search by hand. If the anomaly was not resolved via hand dig, the custom made VRHabilis underwater excavation system would be deployed to the diver. The excavation system has a performance curve based on depth and surf conditions, so digging rates were variable but on average the diver was able to excavate at a rate of about one foot per ten minutes (the hole having to be at least twice as wide as the depth). To date the deepest anomaly was found at approximately 48". The pounding

surf rapidly refilled the exaction so the total dig time was over two hours, but the anomaly—a four foot length of pipe—was successfully removed from the grid.

Weather and tide have played a significant role in production rate, but flexibility has been the key to staying on schedule. The simple fact is that when the weather is bad, diving operations become inefficient and potentially hazardous. The work schedule accounted for that in two ways. First, and most obvious, were planned standby days agreed to by the customer. The second was the "dive first" mentality; though not the most efficient way to work a land grid, this strategy was key to successfully working in the surf zone. The team showed up to dive every day. If conditions were not acceptable for diving, then grids would be set up from the high water line to the surf. As the search area was a mile long, this allowed the team to work on most days and provide significant value to the customer.

One significant challenge was blending the requirement of the USACE UXO experts at Huntsville and the USACE diving experts from the New England District. Key to this was showing the USACE Diving Coordinator that there were no issues with the dive team. Proper preparation allowed VRHabilis to pass the initial assessment with no discrepancies. Once the Dive Coordinator was satisfied that the dive team was safe and proficient, VRHabilis was able to devise a simple plan to satisfy the UXO concerns of transitioning from a dry to an underwater environment.

VRHabilis has proved the concept of diving surface supplied in an ordnance environment, underwater detection of anomalies, underwater excavation, utilization of diver positioning systems to map anomalies and quality assurance via real time video recording. From a business perspective South Beach was a high risk opportunity, but through the hard work and innovation of the VRHabilis dive team, the assigned tasks were accomplished with aplomb. To quote the USACE District Diving Coordinator, "The dive team ran into pretty strong rip currents, but they were able to complete their dives. I found no issues during my inspection. Once again I was impressed with the organization and professionalism of the dive team."

Video links:

Excavation Operations: <http://www.youtube.com/watch?v=G3NyKYpOAcM&feature=channel>

Ordnance removal: http://www.youtube.com/watch?v=_cFGaHaRG7g&feature=channel_page

VRHabilis is a SDVOB specializing in underwater UXO operations, precision blasting and providing adaptive technology to enable seriously disabled veterans to maintain meaningful employment.

NAOC POC: Mr. Tom Rancich, 508.410.1306 or rancich@VRHabilis.com



UXO Class Graduates, Compressed Success

Congratulations to UXO Class #34 who graduated February 19th. The course concluded with a class average of almost 91%. The

class Honor Graduate, **Kathy Brooks**, maintained the top individual grade point average of 96%. Kathy's son and husband are also in "the business".



TEEX hosted another career day for the stu-

dents; introducing each to those NAOc member companies who are able to attend. This event continues to provide a great service to graduating technicians. Each is interviewed and has the opportunity to submit a resume' to member companies. Over 60% of the students were placed. I would like to thank those NAOc member company representatives, Martha Freeman from PIKA Inc. and Sammie Hawkins from EODT for taking time to come see us here in College Station, TX. This new addition to the UXO course continues to provide both the graduate and member companies with a great opportunity to meet each other and potentially begin their new career immediately. Please contact us at 979-845-6677 to confirm your attendance and availability for lunch with the UXO training staff and graduates.



TEEX recently graduated the first 200 hour compressed UXO Tech - I class April 17th. Although we were originally concerned that scores would be lower due to the new 4 week/ 10 hour day schedule, surprisingly, these 24 students posted some of the highest test scores ever! The class Honor Graduate, **Ryan Walla**, maintained the top individual grade point average of 97.2%. Our top six were separated by less than 1.2 points on the final exam; overall, a very intelligent class.

Several NAOc member companies attended the Career Day portion of the class. Each conducted formal interviews resulting in all 24 students being offered employment opportunities. Many thanks to those companies who made time to attend and/or sent materials; USA Environmental (Cathy Matuch), Shaw Environmental (Al Grant), EOD Technologies (Sammie Hawkins), and PIKA International (Martha Freeman).

Due to the overwhelming interest we have received and a already full May class, TEEX has scheduled another UXO class for July 6th; just in time for a "cool" Texas summer!

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From the Editor

Please submit your press releases and articles to ckennedy@pirnie.com, or you can mail them to Cheryl Kennedy, Malcolm Pirnie, Inc., 104 Corporate Park Drive, White Plains, NY 10602. Comments and suggestions are welcome!

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