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# ENVIRONMENT, ENERGY & SUSTAINABILITY

## SYMPOSIUM & EXHIBITION

**“PRESERVING OUR RESOURCES — PROTECTING OUR FUTURE”**

*FORMERLY THE JOINT SERVICES ENVIRONMENTAL MANAGEMENT CONFERENCE (JSEM)*



ONSITE BROCHURE

COLORADO CONVENTION CENTER ► DENVER, CO

MAY 4-7, 2009  
WWW.NDIAE2S2.COM

EVENT #9440

# CONFERENCE AGENDA

## SUNDAY, MAY 3, 2009

12:00 pm - 5:00 pm

2:00 pm - 5:00 pm

**EXHIBITOR MOVE-IN - HALL C/D  
REGISTRATION**

## MONDAY, MAY 4, 2009

7:00 am - 5:00 pm

8:00 am - 12:00 pm

8:00 am - 12:00 pm

10:00 am - 10:30 am

12:00 pm - 1:00 pm

1:00 pm - 5:00 pm

1:00 pm - 5:00 pm

1:00 pm - 2:30 pm

3:00 pm - 7:00 pm

**REGISTRATION & EXHIBITOR MOVE-IN**

**MRSPP TRAINING SESSION - Room 702**

**GREEN PROCUREMENT TRAINING SESSION - Room 703**

**BREAK IN 700 HALLWAY**

**LUNCH ON YOUR OWN**

**GREEN PROCUREMENT TRAINING SESSION CONTINUED - Room 703**

**SPECIAL SESSION FROM GRANTA DESIGN - Room 702**

**CONCURRENT TECHNICAL SESSIONS**

**AGENCY & NDIA CORPORATE MEMBER SESSIONS (BY INVITATION ONLY)**

## TUESDAY, MAY 5, 2009

7:00 am - 7:00 pm

7:00 am - 8:00 am

7:00 am - 10:00 am

8:00 am - 10:00 am

10:00 am - 10:30 am

10:30 am - 12:00 pm

**REGISTRATION**

**CONTINENTAL BREAKFAST IN KORBEL BALLROOM FOYER**

**EXHIBITOR MOVE-IN**

**PLENARY SESSION: POLICY/SUSTAINABILITY**

- ▶ Mr. Tad Davis, IV, *Deputy Assistant Secretary of the Army (Environment, Safety, and Occupational Health)*
- ▶ Mr. Mark Schaefer, *Deputy Executive Director of Environmental Conflict Resolution, U.S. Institute for Environmental Conflict Resolution*
- ▶ Ms. Maureen Sullivan, *Director, Environmental Management, ODUSD(I&E)/EM*

**BREAK IN KORBEL BALLROOM FOYER**

**PLENARY SESSION: ENVIRONMENT**

- ▶ Ms. Lisa Jackson, *Administrator, U.S. Environmental Protection Agency (invited)*
- ▶ Dr. Roger Pielke, Jr., *Center for Science and Technology Policy Research, University of Colorado*
- ▶ Mr. Kevin Kampschroer, *Acting Director, Office of Federal High-Performance Green Buildings, U.S. General Services Administration*
- ▶ Dr. Teresa Pohlman, *Director, Office of Safety and Environmental Programs, Department of Homeland Security*

**LUNCH IN EXHIBIT HALL**

**EXHIBIT HALL OPEN**

**PLENARY SESSION: ENERGY**

- ▶ Mr. Richard Kidd, *Program Director, Federal Energy Management Program, Office of Energy Efficiency and Renewable Energy, Department of Energy*
- ▶ Mr. Rick Sergel, *President & CEO, North American Electric Reliability Corporation (invited)*
- ▶ Dr. Michael Pacheco, *Vice President, Deployment and Industry Partnerships, National Renewable Energy Laboratory*
- ▶ Mr. Al Shaffer, *Executive Director, Defense Energy Security Task Force; Director, Plans and Programs, Office of Director, Defense Research and Engineering*

**BREAK IN EXHIBIT HALL**

12:00 pm - 1:30 pm

12:00 pm - 6:30 pm

1:30 pm - 3:00 pm

3:00 pm - 3:30 pm

## MRSPP ONLINE TRAINING

*Mr. Victor Wieszek, ODUSD(I&E)/EM*

ODUSD (I&E) developed the MRSPP training as a tool for installations working to complete all Site Inspections at Munitions Response Sites (MRSs) by the end of FY2010. Moving toward this goal, it is imperative that service personnel know that this online training resource exists. The training will enable service personnel and stakeholder to better understand the intricacies of applying the MRSPP and disseminate the training. The training is comprised of six modules, including an introduction. The following is an overview of each module.

EHE, CHE, and HHE Modules – These modules outline the structure of the protocol and how each hazard evaluation module fits into the protocol's structure. Illustrated within each of these modules are the specific data elements and factors evaluated. Further, these modules include instructions on completing the tables necessary to evaluate an MRS and determine a rating for each module.

Administrative Requirements Module – This module focuses on performing quality assurance, sequencing of MRSs, documenting the prioritization process, reporting the relative MRS priorities, and reviewing and applying the protocol.

Determining the MRS Priority Module – This module highlights completion of the table that determines the MRS priority and designating the highest module rating to determine the MRS priority or alternative MRS rating.

Knowledge checks are included in each module so that learners may track their progress. In addition, there is an interactive exercise at the conclusion of the program where learners can apply their knowledge by gathering data and determining the MRS priority to a fictional case study. Participation in the training will allow participants to develop an understanding of the features associated with online training including print and mute functionalities, the navigation bar, and resources section.

## GREEN PROCUREMENT TRAINING

*Mr. Gerry Nelson & Ms. Mikki Brooks, DLA*

This session will cover federal purchasing requirements for environmentally preferable products (green procurement). In addition to environmental mandates, it discusses requirements in the FAR pertaining to the acquisition cycle, required sources of supply, shopping tools, specifications, and life cycle analysis. This is a condensed session of a workshop that normally lasts two days.

3:30 pm - 5:00 pm

5:00 pm - 5:30 pm

5:30 pm - 7:00 pm

## WEDNESDAY, MAY 6, 2009

7:00 am - 5:00 pm

7:00 am - 8:00 am

8:00 am - 12:00 pm

9:00 am - 5:00 pm

9:30 am - 10:00 am

11:30 am - 1:30 pm

1:30 pm - 5:00 pm

3:00 pm - 3:30 pm

5:00 pm - 8:00 pm

## THURSDAY, MAY 7, 2009

7:00 am - 5:00 pm

7:00 am - 8:00 am

7:00 am - 1:00 pm

8:00 am - 12:00 pm

9:30 am - 10:00 am

11:30 am - 1:30 pm

1:30 pm - 5:00 pm

3:00 pm - 3:30 pm

5:00 pm

### PLENARY SESSION: UNIFORMED SERVICES

- ▶ Moderated by Mr. Paul Parker, SES, *Deputy Civil Engineer, HQ USAF*
- ▶ COL Janice L. Dombi, USA, *Commander, U.S. Army Corps of Engineers, South Pacific Division*
- ▶ CAPT John J. Hickey, USCG, *Commanding Officer, Integrated Support Command, Honolulu*
- ▶ Mr. Dennis Firman, SES, *Director, AFCEE*

### CLOSING KEYNOTE

- ▶ Ms. Sherri Goodman, *General Counsel, CNA*

### RECEPTION IN EXHIBIT HALL

### REGISTRATION

### CONTINENTAL BREAKFAST IN LOBBY D

### CONCURRENT TECHNICAL SESSIONS

### EXHIBIT HALL OPEN

### BREAK IN EXHIBIT HALL

### LUNCH IN EXHIBIT HALL

### CONCURRENT TECHNICAL SESSIONS

### BREAK IN EXHIBIT HALL

### EXHIBITOR MOVE-OUT

### REGISTRATION

### CONTINENTAL BREAKFAST IN LOBBY D

### EXHIBITOR MOVE-OUT

### CONCURRENT TECHNICAL SESSIONS

### BREAK IN LOBBY D

### BOXED LUNCH IN LOBBY D

### CONCURRENT TECHNICAL SESSION

### BREAK IN LOBBY D

### SYMPOSIUM ADJOURNS

# MONDAY, MAY 4, CONCURRENT SESSIONS

TRACK	SESSION CHAIR	1:00 PM	1:30 PM	2:00 PM
ACQUISITION Room 501	Mr. Jim Rice, ICF International	8268 - How a Major Acquisition Office, the F/A-18 Program Office, Manages Significant ESOH Challenges  Mr. Michael Rudy, USAF F/A-18E/F & EA-18G Acquisition Office	8275 - P-8A Poseidon Hazardous Materials Identification and Chemical Mapping  Ms. Nicole Van Kuiken, NAVAIR Research & Engineering Group	8279 - PESHE - A Reviewer's Perspective  Mr. Samuel D. Brown, Jr., Alion Science and Technology
CLEAN UP 1 Room 502	Mr. Leo Montroy, Parsons	7710 - Enhanced In-Situ Bioremediation Field-Scale Study Comparing Different Carbon Sources  Mr. Steven Downey, Shaw Environmental, Inc.	7711 - Alkaline Hydrolysis Treatability Study for Nitroaromatic Compounds Contaminated Soil  Mr. Steven Downey, Shaw Environmental, Inc.	7838 - Optimal Sustainable Development Achieved  Mr. Douglas Carvel, MECX LP
CLEAN UP 2 Room 503	Ms. Anna Peteranecz, Shaw Environmental, Inc.	8033 - In Situ Chemical Reduction for Organic Explosives in Soil  Mr. John Valkenburg, Adventus Group	8109 - Helena Valley Probabilistic Risk Assessment of MEC for Montana ANG  Dr. Paul Black, Neptune and Company, Inc.	8322 - Remediation Optimization and Sustainability: Wind Turbine on Cape Cod to Power Groundwater Remediation Systems  Mr. Jonathan Davis, HQ AFCEE/MMR
COMPLIANCE Room 605	Mr. Thomas Krug, Geosyntec	7739 - Leak Detection and Maintenance on Bulk Cut and Cover Underground Storage Tanks  Mr. Glenn Schmitt, Fleet and Industrial Supply Center, Puget Sound	7902 - The Problems with Setting MACT Standards for Coal Combustion at Military Bases  Mr. C. Flint Webb, SAIC	8013 - Using Risk Assessment in Navy National Environmental Policy Act (NEPA) Process  Mr. Mike Hicks, BMT Designers & Planners, Inc.
ENERGY 1 Room 505	Mr. Ben Hough, Nobliss	7767 - DoD-DoE Initiative: Net Zero Energy Installations Overview  Mr. Robert Westby, NREL	7864 - U.S. Pacific Command Energy Initiatives  LtCol Doug Glasgow, U.S. Pacific Command	7877 - Energy Conservation: Energy Audits and Project Development  Mr. Jeffrey Riegler, AMEC
ENERGY 2 Room 506	Mr. Andy Bochman, DoD Energy Blog	7971 - Exploring the Feasibility of Biosolids-to-Energy in District Heating and Power  Mr. Kevin Rhodes, Woolpert, Inc.	7868 - Industrial Biotechnology Research and Development for Renewable Energies Government Funding Opportunities  Mr. John Clerici, McKenna Long & Aldridge, LLP	7981 - Full Scale Solar PV to Offset Facility Energy Demand  Mr. Gregory Arifian, MWH Americas, Inc.
POLLUTION PREVENTION Room 507	Mr. Mike Binley, TEC, Inc.	8217 - Sustainable Materials Management – Solid Waste Diversion  Mr. Edmund Miller, DoD	8167 - Construction and Demolition (C&D) Debris Management – Strategies and Tools for Cost-Effective Diversion  Ms. Leslie McLaughlin, U.S. Navy, Navy Region Southwest	EPA'S Waste Reduction Model (WARM)  Ms. Jennifer Brady, Environmental Protection Agency
RANGE SUSTAINMENT Room 601	Ms. Heather Polinsky, Malcolm Pirnie	7843 - Make Hay While the Rain Falls (Sustainable Ranges)  Ms. Julia Love, PLI	8041 - Range GIS Applications and Enterprise Implementations  Mr. Gabe Lovasz, ManTech-SRS Technologies	8048 - The Evolution of the Enterprise – USAF Air Combat Command (ACC) IGI&S Architecture  Mr. Richard Olivieri, AECOM
SUSTAINABILITY Room 603	Mr. Lawrence Bailey, Versar Corporation LTC Michael Bennett, U.S. Army	7719 - Advancing Military Systems Toward Sustainability Through Innovative Environmental Assessment  Mr. Blase Leven, Center for Hazardous Substance Research	7920 - Green Deconstruction: How Far Can You Go?  Dr. Heidi Brothers, Weston Solutions, Inc.	7954 - Creating Culture Change for Sustainability  Ms. Beth Martin, U.S. Army

**3:00 PM - 7:00 PM**

AGENCY SESSION:  
DEFENSE LOGISTICS  
AGENCY  
Room 601

AGENCY SESSION: ARMY  
Room 603

AGENCY SESSION:  
OSD - DSMOA  
Room 605

**Special Session from Granta Design - Room 702**

“Managing and Using Materials Information for Sustainable Engineering and Design”

**Description:**

Effective management and use of materials information is critical to sustainable engineering and design. Examples include: restricted substances, where it is vital to know which materials and processes are impacted and how to avoid or substitute them; and design for low energy usage or low carbon footprint, where materials choices made during design can have a major impact. This seminar session will examine best practices in the management of mission-critical materials data and explore how the associated technologies are now being extended to support sustainable engineering, particularly in response to restricted substance problems. The session will include talks, software demonstrations, and discussion. It will be chaired by materials information technology experts, Granta Design, and draw on Granta’s work with two relevant consortia – the Material Data Management Consortium (members include NASA, U.S. Navy, Los Alamos National Labs, Oak Ridge National Labs, Boeing, Rolls-Royce, Raytheon, GE – Aviation) and the Environmental Materials Information Technology Consortium (members include NASA, Rolls-Royce, Eurocopter, and EADS Astrium).

**Agenda:**

- 1:00 pm *Welcome, Dr. David Cebon, Managing Director of Granta Design; Professor of Mechanical Engineering, Cambridge University*
- 1:10 pm *Sustainable Chemical and Material Management: The Next Step at DoD, Dr. Carole LeBlanc, Special Expert, Office of the Deputy Under Secretary of Defense*
- 1:40 pm *Materials Data Management - Why it’s Important and How it’s Done, Dr. Will Marsden, Product Director, Aerospace, Defense, and Energy, Granta Design*
- 2:10 pm *Toxic Chemical Restriction and Avoidance in DoD Acquisition, Dr. Scott Sirchio, Naval Surface Warfare Center*
- 2:40 pm **Break**
- 3:00 pm *Mr. Wayne Ziegler, Army Research Laboratory*
- 3:30 pm *Responding to the Challenges of Restricted Substances and Eco-Design, Dr. David Cebon, Managing Director of Granta Design; Professor of Mechanical Engineering, Cambridge University*
- 4:30 pm *Panel Discussion – Restricted Substances and Eco-Design*
- 5:00 pm **Close**



# WEDNESDAY, MAY 6, CONCURRENT SESSIONS

TRACK	SESSION CHAIR	8:00 AM	8:30 AM	9:00 AM	10:00 AM	10:30 AM	11:00 AM
ACQUISITION Room 501	Mr. Shawn Dolan, Northrop Grumman	8210 - Acquisition ESOH Risk Management – How to Make It Work Mr. Sherman Forbes, SAF/AQRE	8177 - Driving Innovation for Sustainability Using Strategic Technology Opportunity Analysis Mr. Peter Atbuckle, CTC	8056 - Overview of the MRSPP Online Training Course Mr. Victor Witeszek, DoD	8185 - Risk Cost – The Common Denominator for Environmental and Safety Risk in Acquisition Projects? Mr. Steve Rintoul, Enviros Consulting Limited	8212 - What Program Offices Need to Know About Environmental Noise Ms. Lynn Engelman, HQ USAF/A7CIB	8564 - Sustainable Transportation Planning and Personal Rapid Transit Feasibility at USAG Fort Carson, Colorado Mr. Christopher Juniper, Sustainability Leadership Institute
CLEAN UP Room 502	Mr. Bruce James, U.S. Air Force	8054 - Defense Environmental Restoration Program Policy Update Ms. Deborah Morefield, DoD	8055 - Defense Environmental Restoration Program Goals and Performance Metrics Ms. Deborah Morefield, DoD	8192 - Perchlorate: Latest Myrthbusters' Results Dr. Carole LeBlanc, DoD	8057 - OSD Sea Disposal of Military Munitions Historical Review Mr. Victor Witeszek, DoD	8058 - OSD/Military Component/Industry Cleanup Panel Discussion Ms. Deborah Morefield, DoD	8108 - Updates to the FY2010-FY2011 Army Environmental Cleanup Strategy Ms. Kristine Kingery, Army Environmental Division
EMERGING CONTAMINANTS Room 607	Mr. Paul Reinke, Noblis	8186 - Emerging Issues in Chemical Risk Management: Why Addressing Emerging Contaminants' Risks Helps Reach Sustainability Goals Mr. Paul Yaroschak, OSD	8182 - Risk Management Actions for Emerging Contaminants: Where the Rubber Meets the Road Mr. Andrew Rak, Noblis	8092 - Reducing Energy Demand Using Solid-state Lighting Mr. Ray Kendall, Intuitive Research and Technology Corporation	8208 - Incorporating Environmental and Human Hazard Information into the DoD Acquisition Process Mr. Paul Yaroschak, OSD	8222 - Nanoparticles in the Environment: Assessment, Mobility and Toxicity Ms. Heather Miner, AECOM	8165 - Action List Emerging Contaminants: Refining Our Understanding of DoD's Future Risks Mr. Andrew Rak, Noblis
ENERGY Room 505	Mr. Lloyd Hinkle, MWH Global	8004 - Energy Conservation at Kadena Air Base, Okinawa, Japan Mr. Clive Rountree, MWH Americas	8025 - Hybrid Lighting: Using Natural Sunlight in Buildings Mr. Gary Hogsett, Tetra Tech	8092 - Reducing Energy Demand Using Solid-state Lighting Mr. Ray Kendall, Intuitive Research and Technology Corporation	8101 - Distributed Thermal Energy Systems at a U.S. Air Force Base Mr. John Kumm, EA Engineering	8119 - Zero Energy Homes for Military Installations Ms. Heidi Kaltenhauser, CTC	8194 - "Small Wind" as an Essential Component of Stabilizing Department of Defense (DoD) Installation Operating Costs and Reducing Reliance on Fossil Fuel Energy Sources Mr. Joseph Hazeltine, Wyle Laboratories
ENVIRONMENTAL PROGRAM MANAGEMENT Room 703	Ms. Lisa Smith, U.S. Army	8072 - DoD Environmental Management System Update Lt Col Bart Barnhart, DUSD(I&E)	8082 - Environmental Management Information Systems (EMIS) Implementation at State Transportation Agencies Mr. Jason Samus, EA Engineering	8147 - Strategic Look, Beyond Partnering: Generating Efficiencies in Environmental Program Management Mr. David Van Gasbeck, Air National Guard	8022 - Army Environmental Cost Standardization Model Ms. Lisa Smith, U.S. Army	8195 - Enterprise, Environmental, Safety and Occupational Health-Management Information System Lessons Learned Miss Nadine Gawlak, Northrop Grumman Corporation	8259 - Environmental Restoration Program – Optimization and Sustainable Remediation Dr. Javier Santillan, HQ AFCEE
GREEN REMEDATION 1 Room 705	Mr. Tom O'Neill, Air Force	8413 - Green and Sustainable Remediation – An ITRC Project Update Mr. Thomas O'Neill, NJDEP - ITRC	8081 - A Report on the Greener Cleanups Task Force of AST-SWMO Mr. Dan Scheppers, Colorado Department of Public Health and Environment	8263 - Wisconsin Initiative for Sustainable Cleanups Mr. Jim Weinbauer, AECOM	8277 - Remediation Risk Management – A Comprehensive Approach for Reducing Remediation Uncertainties Mr. Ning-Wu Chang, Department of Toxic Substances Control, Cal-EPA	8451 - EPA Progress: An Update on Green Remediation Mr. Richard Biggs, U.S. Environmental Protection Agency	8259 - Environmental Restoration Program – Optimization and Sustainable Remediation Dr. Javier Santillan, HQ AFCEE

INTERNATIONAL Room 504 1	8142 - Environmental Security: An Emerging Enabling Concept For Mission Success Mr. Jeremy Alcorn, Concurrent Technologies Corporation	8179 - EU REACH Legislation Impacts on the U.S. Defense Industry Ms. Sally Gestautas, Raytheon	8063 - Impact of REACH on Defense Procurement: Avoiding Supply Chain Disruptions Mr. Arnold Guikema, Tetra Tech	8169 - Reducing the Forward Operating Base Water Logistics Burden Dr. James Dusenbury, U.S. Army TARDEC	8264 - Investigation of an Impact Area: A UK Case Study Dr. Brenden Hodgkinson, UK Ministry of Defence
INTERNATIONAL Room 506 2	Environment and Security Asa Scott Anderson, Swedish Armed Forces/Ministry of Defence	Swedish Environmental Experiences in Connection with United Nations Camps in Africa Annica Waleji, Swedish Armed Forces/Ministry of Defence	Sustainable Development of Military Areas in Finland Antti Kivipelto, Finnish Ministry of Defence	DEFNET and Military-Environmental Challenges Within the EU Mr. Tim Cook, United Kingdom Ministry of Defence	Hellenic MoD's Environmental Policy MAJ Ilias Manolis, Greece Ministry of Defence Mr. Michael Brown, U.S. European Command
POLLUTION Room 507 PREVENTION	8280 - Air Force Plan to Implement EO 13423 Chemical Reduction Plan Mr. David Kumar, HQ United States Air Force	8113 - Reducing Waste Disposal Costs and Quantities through Innovation Mr. Richard Whalen, Hill Air Force Base	8037 - Expansion of USMC CPAC Program Operations to Address the Transition of Assets from Okinawa to Guam Mr. Robert Fisher, CTC	8232 - Thinking and Acting Outside of Our MDA-Box to Affect Energy Use Reduction Dr. William Gibson, Missile Defense Agency	8196 - Pollution Prevention (P2) Making a Difference at Robins AFB Mr. Todd Lavender, 402 MXW/QPE, Robins Air Force Base, Georgia
RANGE Room 601 MANAGEMENT	8077 - Quantifying Munitions Constituents (MC) Loading Rates at Operational Ranges Mr. Mike Madl, Malcolm Pirnie, Inc.	8078 - Range Sustainment: Assessing Marine Corps Operational Small Arms Ranges (SARs) Ms. Alicia Fogg, Malcolm Pirnie, Inc.	8090 - Developing the Execution Framework for the Army's MMRP R/FS Phase Mr. Mark Albe, Malcolm Pirnie, Inc.	NEPA and Sustainable Ranges Dr. Paul Thies, US Army Environmental Command	Mr. Mark Swiger, Hill Air Force Base
RANGE Room 605 SUSTAINMENT	8325 - Range Readiness Assessments - The Relationship Between Encroachment and Capabilities Mr. Frank DiGiovanni, ODUSD (Readiness)	What Commanders and Their Staff Need to Know When Working with the Community Mr. Tom Manfredi, Marine Corps Air Station, Yuma Proving Ground	What You Need to Know: The Need to be Aware Ms. Jan Larkin, ODUSD(I&E)	Military Organizational Structure - Effective Outreach Efforts Mr. Tony Parisi, NAVAIR	Question & Answer Panel with Track Speakers Ms. Amy Duffy, Duffy Consulting
SUSTAINABILITY Room 603	7969 - Update on Federal Sustainable Practices Policy Ms. Dana Arnold, Office of the Federal Environmental Executive	8039 - DoD Environmental, Energy, and Transportation Management Implementation Mr. Dave Asiello, DUSD(I&E)	8204 - The Pursuit of Federal Sustainability Mr. Matthew Gray, U.S. Department of Energy	8155 - The Conditions that Will Shape Sustainable Infrastructure Mr. Aaron Schulman, Toffler Associates	8144 - EMS Tool to Manage LEED EB:O&M and Federal Sustainable Building Criteria Ms. Joni Teter, Esq., U.S. EPA Region 8

INTERNATIONAL Room 504 1	Mr. Mike Bergers, Booz Allen Hamilton	Mr. Paul Brezovec, CTC U.S. Army	Mr. Bill Nichols, OSD	Dr. James Dusenbury, U.S. Army TARDEC	Dr. Brenden Hodgkinson, UK Ministry of Defence
INTERNATIONAL Room 506 2	Mr. Jeremy Alcorn, Concurrent Technologies Corporation	Swedish Environmental Experiences in Connection with United Nations Camps in Africa Annica Waleji, Swedish Armed Forces/Ministry of Defence	Sustainable Development of Military Areas in Finland Antti Kivipelto, Finnish Ministry of Defence	DEFNET and Military-Environmental Challenges Within the EU Mr. Tim Cook, United Kingdom Ministry of Defence	Hellenic MoD's Environmental Policy MAJ Ilias Manolis, Greece Ministry of Defence Mr. Michael Brown, U.S. European Command
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Ms. Christina Craven, Booz Allen Hamilton  
Ms. Wanda Johnson, U.S. Army

Mr. Cornel Holder, Defense Logistics Agency

# WEDNESDAY, MAY 6, CONCURRENT SESSIONS

TRACK	SESSION CHAIR	1:30 PM	2:00 PM	2:30 PM	3:30 PM	4:00 PM	4:30 PM
ACQUISITION Room 501	Mr. Robert Durham, U.S. Army	7809 - Demonstration of a Lead-free Surveillance Program for RoHS Lead-free Risks Mr. Chuck Tomljanovic, NDCEE/CTC	7831 - Common Weapon Design Flaws Related to Environmental and Safety Requirements Dr. Douglas Parrish, Booz Allen Hamilton	8667 - Federal Leader's Guide to Climate Change Ms. Rachael Jonassen, LMI	8068 - Hazardous Materials Management and Risk Assessment Using MIL-STD-882 Ms. Karen Gill, Booz Allen Hamilton	8168 - Consideration of Operational Noise Impacts on Land Use as a Part of the Weapons Systems Engineering Process Dr. Wayne Lundberg, Aeroacoustic Consultant	8211 - U.S. Air Force Technical Sufficiency Reviews of Acquisition ESOH Risk Management Mr. Sherman Forbes, SAF/AQRE
ADAK FIELD SEASON Room 504	Mr. Les Clarke, Battelle	8136 - Adak Case Study - Adapting the UFP-QAPP to MMRP Projects Mr. Mark Wicklein, Naval Facilities Engineering Command, Northwest	8432 - ADEC Perspective on the Implementation of the UFP-QAP on Adak Mr. Guy Warren, Alaska Department of Environmental Conservation	8172 - Munitions Response Services (MRS) Challenges in Alaska's Aleutian Islands Mr. George Spencer, USA Environmental, Inc.	8434 - Quality Assurance for Digital Geophysical Mapping Surveys for Unexploded Ordnance Detection on Adak Island Mr. Mark Blohm, Blohm Consulting, LLC	8191 - The Utility of Independent Quality Assurance in Munitions Response - Adak Case Study Mr. Les Clarke, Battelle Memorial Institute	8662 - Munitions Quality Assurance; Field Element - Adak Case Study Mr. Terry Rutherford, Battelle
CLEAN UP 1 Room 502	Ms. Christine Godfrey, U.S. Army Mr. Gary Panozzo, CH2M HILL	8029 - ATSDR Health Assessment of TCE Exposure by Vapor Intrusion at Military Facilities Dr. Tonia Burk, Agency for Toxic Substances & Disease Registry	8062 - Vapor Intrusion - Review of Navy Focus Areas for Future Research Mr. Todd McAlary, Geosyntec Consultants, Inc.	8087 - The Use of Future First Planning, Triad, and Performance-Based Contracting to Accelerate Site Closure at Seymour Johnson AFB, NC Mr. Martin Wangenstein, Bay West, Inc.	8266 - Rapid Characterization and Post-Injection Monitoring for the Parcel D Groundwater Treatability Study at Hunters Point Shipyard, San Francisco, California Ms. Deanna Rhoades, Sullivan International Group	8150 - Munitions Debris Swadger Process Mr. William Ingold, PIKA International, Inc.	8397 - Simultaneous Thermal Treatment of Eight DNAPL Source Areas at Memphis Defense Depot Dr. Ralph Baker, TerraTherm, Inc.
CLEAN UP 2 Room 503	Ms. Cynthia Bland, U.S. Army	8117 - OSD Perspective: DSM/OA Policy, Program, and Communications Mr. Terry Bowers, ODUSD(I&E) Environmental Management Directorate	8106 - Munitions Response Site Prioritization Protocol (MRSPP) Progress and Challenges at Army Installations and Formerly Used Defense Sites Mr. Bryan M. Frey, HQ, Department of the Army	8159 - Underwater Munitions at Formerly Used Defense Sites Dr. A.H.M. Shah Alam, U.S. Army Corps of Engineers	8189 - The Munitions Response Site Prioritization Protocol at Formerly Used Defense Sites Dr. A.H.M. Shah Alam, U.S. Army Corps of Engineers	8256 - Automated System for Estimating FUDS MMRP Liabilities Mr. John Claypool, Earth Tech AECOM	
CLIMATE CHANGE Room 506	Ms. Judith Barry, Noblis	DoD Climate Change Initiatives Mr. Bill Van Houten, ODUSD(I&E)	UK MOD Response to Climate Change Challenge Mr. Tim Cook, UK Ministry of Defence	8226 - Global Climate Change: Greenhouse Gas Emissions and the Clean Air Act Mr. Elmer Ransom, HQ U.S. Marine Corps	8135 - From the Trenches: Top-down and Bottom-up GHG Inventory Approaches Mr. Jeremy Alcorn, Concurrent Technologies Corporation	8138 - Renewable Doesn't Mean Carbon Neutral: Emerging Greenhouse Gas Inventory Challenge Mr. Jeremy Alcorn, Concurrent Technologies Corporation	8141 - Challenges to Implementing the Greenhouse Gas Inventory at Air Force Bases: A Case Study Mr. Rahul Chettri, Versar, Inc., Engineering & Technology Division
COMPLIANCE Room 605	Mr. David Sheets, U.S. Army	8152 - Evolving the Hazardous Materials Information Resource System (HMIRS) for Tomorrow's Hazmat Challenges Mr. Linwood Gilman, Defense Supply Center Richmond/DLA	8239 - Compliance Assurance Oversight (CAO) at the Missile Defense Agency Mr. Kenneth Rock, ICF International	8157 - Field Guidance for Non Potable Water Substitution and Reuse Mr. William Fifty, USACHPPM	8123 - Online Water Quality Monitoring Systems - Drinking Water Security & More Mr. Steven Clarke, USACHPPM	8131 - Graywater Application for Army Installations - Introducing a New Guidance Document Mr. Richard Scholze, U.S. Army ERDC-CERL	8410 - Using Technology for More Efficient Waste Management Mr. Don Sullivan, Ft. Carson



ENERGY Room 505	ENVIRONMENTAL PROGRAM MANAGEMENT Room 703	8178 - Reduce Fossil Fuel Consumption at Forward Operating Bases Mrs. Barbara Brygider, Red Gate Group	8158 - A Preliminary Health Hazard Assessment of the Newly Developed Alternative Fuel, Synthetic Paraffinic Kerosene (SPK) LT Dean Wagner, Naval Health Research Center	8248 - Electricity Security of Supply from the Outside In – The Industry Perspective Dr. Gary Leatherman, Booz Allen Hamilton	8243 - Ruggedized, Modular and Transportable Renewable Energy Systems for Distributed Generation Mr. Mark G. Hodges, Sr., MACTEC Engineering and Consulting, Inc.	8193 - Designing, Integrating, and Operating a Microgrid Mr. Clark Boriack, Concurrent Technologies Corporation	8396 - Connectivity for Alternative Transportation Solutions Mr. Charles Young, Plexus Logistics
ENVIRONMENTAL PROGRAM MANAGEMENT Room 703	8231 - Army Environmental Priorities Mr. James Marshall, Department of the Army	7973 - DoD Environmental Liabilities Mapping/Inventory Pilot Study Mr. Greg Rous, Woolpert, Inc.	7998 - Lessons Learned: Integrating EMS and Environmental Compliance Auditing Ms. Pamela Klinger, U.S. Army Environmental Command	8047 - Achieving Executive Order 13423 Goals Through the Air Force EMS Ms. Karen Winnie, U.S. Air Force, AFCEE/TDNC	8021 - Applying Natural Infrastructure Management to Sustain Mission Effectiveness Mr. Tom Welch, Booze Allen Hamilton	8047 - Achieving Executive Order 13423 Goals Through the Air Force EMS Ms. Karen Winnie, U.S. Air Force, AFCEE/TDNC	8229 - Risk-based Networked EMS Alternative for EMS at "All Appropriate Levels" Mr. Michael Bilney, TEC, Inc.
GREEN REMEDIATION Room 705	8180 - Integrating Green and Sustainable Practices with Navy Restoration Projects Mr. Tanwir Chaudhry, NAVFAC ESC	8050 - Building Sustainability into the Air Force Remediation Process Ms. Erica Becvar, AFCEE/TDV	8052 - Guidance on Incorporation of Sustainability into the Department of the Army Environmental Remediation Projects Dr. Carol Lee Dona, U.S. Army Corps of Engineers	8046 - DOD/ITRC Panel Session on "Green and Sustainable Remediation: Progress Through Partnerships" Mr. Sritam Madabhushi, BAH/ITRC	8046 - DOD/ITRC Panel Session on "Green and Sustainable Remediation: Progress Through Partnerships" Mr. Sritam Madabhushi, BAH/ITRC	8046 - DOD/ITRC Panel Session on "Green and Sustainable Remediation: Progress Through Partnerships" Mr. Sritam Madabhushi, BAH/ITRC	8046 - DOD/ITRC Panel Session on "Green and Sustainable Remediation: Progress Through Partnerships" Mr. Sritam Madabhushi, BAH/ITRC
POLLUTION PREVENTION Room 507	8094 - Reuse of CD Materials with LBP Mr. Stephen Cosper, USACERL	8175 - Application of a Bimetallic Solvent Paste Technology for PCB Removal From Older Structures on DoD Facilities Mr. Thomas Krug, Geosyntec Consultants	8188 - Open Burn/Open Detonation Area Munitions Constituent Management Using Calcium Hydroxide Amendments Mr. Gene Fabian, U.S. Army Aberdeen Test Center	8160 - Qualification, Demonstration, & Validation of Compliant Removers for Aircraft Sealants and Specialty Coatings Mr. James Tankersley, Battelle	8221 - Evaluation of Cleaners for Tar Removal from Ground Vehicles Dr. Veera Boddu, U.S. Army ERDC-CERL	8160 - Qualification, Demonstration, & Validation of Compliant Removers for Aircraft Sealants and Specialty Coatings Mr. James Tankersley, Battelle	
RANGE MANAGEMENT Room 601	8183 - Army Progress on Operational Range Assessments Mr. Malcolm Garg, OACSIM	8190 - Use of Military Aviation Assets for Restoration of Rangelands and Forests Mr. Mark Hodges, Sr., MACTEC Engineering and Consulting, Inc.	8215 - Conducting the Army's ORAP Phase II, Quantitative Assessment – Pilot Studies Ms. Andrea Graham, U.S. Army Corps of Engineers	8249 - Commonwealth of Virginia and DoD Environmental Partnership Ms. Christine Porter, NAVFAC	8273 - Centralized Geospatial Information Systems (GIS) Data Collection Effort Mr. Francis T. Boylan, III, USAEC/Ageiss Environmental, Inc.	8249 - Commonwealth of Virginia and DoD Environmental Partnership Ms. Christine Porter, NAVFAC	
SUSTAINABILITY Room 603	8148 - National Naval Medical Center First "Green Restaurant Certified" DoD Facility Mr. Ramesh Mehta, NAVFAC Washington	8137 - Coast Guard Modernization – Fast-Tracked NEPA Compliance Mr. John King, EMPSI Environmental Management and Planning	8197 - Environmental Stewardship for Fence Construction Along the Southwestern Border of the U.S. Mr. Greg Gephart, DHS	8060 - Beyond Mr. Steven Kenney, Toffler Associates	8216 - Managing Resources: A Regional Approach to Military and Community Sustainment Partnerships Ms. Sherrill Gardner, Malcolm Pirnie, Inc	8060 - Beyond Mr. Steven Kenney, Toffler Associates	8216 - Managing Resources: A Regional Approach to Military and Community Sustainment Partnerships Ms. Sherrill Gardner, Malcolm Pirnie, Inc
SUSTAINABILITY Room 607	Operationalizing Sustainability in the Army Ms. Wanda Johnson, ACSIM Sustainability Branch	Sustainability Planning Workshops (and more) in the Army Mr. Stan Childs, U.S. Army Environmental Command	The Evolution of Installation Strategic Planning in the Army Mr. Matt Barden, U.S. Army Installation Management Command, Center for Future Installation Strategies	Integration of Sustainability into Army Installation Strategic Planning Mr. Randal Campbell, Fort Campbell Plans, Analysis & Integration Office	Fort Hood's Award Winning Sustainability Program Ms. Jennifer Rawlings, Fort Hood DPW Environmental Division	Integration of Sustainability into Army Installation Strategic Planning Mr. Randal Campbell, Fort Campbell Plans, Analysis & Integration Office	Integration of Sustainability into an Environmental Management System Mr. Christopher Juniper, Fort Carson DPW Environmental Division

# THURSDAY, MAY 7, CONCURRENT SESSIONS

TRACK	SESSION CHAIR	8:00 AM	8:30 AM	9:00 AM	10:00 AM	10:30 AM	11:00 AM
ACQUISITION Room 501	Ms. Lucy Rodriguez, Booz Allen Hamilton	8020 - NEPA Compliance Challenges for Joint Acquisition Programs Ms. Michelle Davis, U.S. Army TARDEC	7880 - Integrating Systems Safety, Lean Engineering, and Ergonomics Dr. Lee Ostrom, GDIT	8066 - Programmatic ESOH Evaluation – DoD Requirements and Expectations Mr. David Asiello, ODUSD(I&E)/CMRM	8149 - The Environmental Case Wg Cdr Austin Jones (Royal Air Force Retired), EnviroS Consulting Limited	8202 - Re-thinking the Application of Defense Acquisition Requirements to Achieve DoD Sustainability Goals Ms. Glynis Coulter, Arizona State University	8209 - Acquisition ESOH Risk Management and HAZMAT Management Mr. Sherman Forbes, SAF/AQRE
CLEAN UP 1 Room 502	Mr. Andrew Rak, Mr. Noblis	8031 - Wicked Risk Assessment Ms. Anita Meyer, Army Corps of Engineers	8061 - Lead Exposure at Navy Installations: Human Health Risk Assessment Implications Mr. David Scarsella, Navy and Marine Corps Public Health Center	8064 - What You Don't Know About Human Health Risk Assessment Could Hurt You (...and Your Site Decisions!) Ms. Jennifer Corack, Navy and Marine Corps Public Health Center	8111 - Improvements in Understanding Exposure and Toxicity Issues Associated with RDX Exposure: Recent Updates Dr. Mark Johnson, U.S. Army Center for Health Promotion and Preventative Medicine	8156 - I Drank the Koolaid... Now What? MIS After Two Years Mr. Terry Walker, USACE	8214 - Ecological Management Goals: Benefits from Determination Early in the Project Lifecycle Ms. Anita Meyer, Army Corps of Engineers
CLEAN UP 2 Room 503	Mr. Nick Athens, Eco-Vac Services	8079 - Incorporating Sustainability Impacts into Remediation Feasibility Studies – Is Groundwater Over Valued? Mr. Douglas Downey, CH2M HILL	8110 - Evaluation of Alternative Particle Filtration Designs to Reduce RDX Losses in Dewatering Operations Ms. Jessica Grembi, Concurrent Technologies Corporation	8130 - Nucleic Acid-Based Tools for Monitoring Bioremediation at Chlorinated Solvent Sites Dr. Erik Petrovskis, Geosyntec Consultants	8132 - Biodegradation for Treatment of POL-Contaminated Soil – Introducing a New Guidance Document Mr. Richard Scholze, U.S. Army ERDC-CERL	8205 - Maximizing Energy Efficiencies through Remedial System Optimization Mr. Joseph Lukas, Integrated Science Solutions, Inc.	8107 - Enhanced Bioremediation Field Experience: Using Observed Half Lives in Design and Prediction Mrs. Joanna Moreno, The Adventus Group
COMPLIANCE 1 Room 605	Mr. Joe Wyka, US Army	8065 - USAEC Emissions Factors From Munitions Use (Publishing In AP-42) Mr. James Bach, U.S. Army Aberdeen Test Center	8125 - DOCS II in Lieu of ASTM Digital Opacity Observation Method Mr. Steve Rasmussen, Hill Air Force Base	8124 - Reducing Transportation Greenhouse Gases with Commuter Programs and Alternative Fuels Mr. Steve Rasmussen, Hill Air Force Base	8122 - Implementation Of the APIMS Inspection Module Mr. Steve Rasmussen, Hill Air Force Base	8076 - Environmental Sustainability through Water Audits, What You Need to Know! Mr. Anthony Gruber, AH Environmental Consultants	8095 - Water Sustainability for Installations: Results of the Army Installation Water Study Ms. Elisabeth Jenicke, U.S. Army CERL
COMPLIANCE 2 Room 607	Mr. John Stetson, Engineering-Environmental Management	8161 - Evaluation and Selection of Technologies for the Removal of RDX from the Process Wastewater Stream Dr. David Gent, USACE ERDC EL	8213 - Evaluation of Drinking Water Security at DoD Installations Mr. Andrew Barron, Battelle	8244 - Infrastructure Evaluations – Focus on Sustainability Mr. Patrick Lytle, MWH Americas, Inc.	8067 - Source Identification of a Continuous Dry-Weather Stormwater Collection System Discharge Ms. Jennifer Cearfoss, U.S. Army CHPPM	7999 - Dual Media Filtration System for Reducing Pollutants in Storm Water Runoff Mr. Gary Anguiano, Naval Facilities Engineering Service Center	8023 - Water Infrastructure Sustainability Analysis: Quantifying Public Health Impacts and Global Climate Change Ms. Judith Barry, Noblis
ENERGY 1 Room 505	Mr. Stu Funk, LMI	8127 - Renewable Energy for Military Installations Ms. Heidi Kaltenhauser, Concurrent Technologies Corporation	8245 - Emerging Energy-Efficient and Renewable Building Technologies Mr. Patrick Hughes, Oak Ridge National Laboratory	8242 - ORNL's Sustainable Campus Initiative Ms. Melissa Lapsa, Oak Ridge National Laboratory	8241 - Federal Deployment of Ground Source Heat Pumps Mr. John Shonder, Oak Ridge National Laboratory	8129 - Battelle Comprehensive Energy and Environmental Management Dr. Stephen Ricci, Battelle Memorial Institute	8128 - Addressing Key Sustainability Issues for Military Installations in Hawaii Ms. Heidi Kaltenhauser, Concurrent Technologies Corporation

ENERGY 2 Room 506	Mr. Tim Garnett, The Avascent Group	8348 - Agency Collaborations in Responding to Climate Change Impacts and Adaptations Mr. William Goran, Center for the Advancement of Sustainability Innovations	8201 - Examining Defense Energy Security from a Social- Ecological Systems Perspective Mr. David A. Kerner, The Tauri Group, LLC	8235 - Concentrated Solar Power: A Ray of Hope for Energy Security Mr. Alan Taber, Lockheed Martin Corporation	8246 - The Role of Clean, Renewable Technologies for our Nation's Future Mr. Thomas King, Oak Ridge National Laboratory	8240 - Addressing the Future Energy Challenges through Innovation Mr. Thomas King, Oak Ridge National Laboratory	8097 - Integrating a Management System for Energy into an Existing EMS Dr. Alice Reeves, Paragon Business Solutions, Inc.
ENVIRONMENTAL PROGRAM MANAGEMENT Room 703	Mr. Jeff Cornell, Tetra Tech Ms. Lisa Smith, U.S. Army	7797 - Standards of Excellence (SOE) Environmental Program Management Metric Mr. Andrew Kissell, Naval Facilities Engineering Command, Atlantic	8207 - Environmental Metric Analysis and Communication at NASA Ames Research Center Mr. John Scarboro, NASA Ames Research Center	8126 - Implementing Environmental Management Systems Using a Web-Based Automated Tool Mr. Brian Perry, EM-Assist	8233 - Environmental Program Management Tools for Federal Facilities Mr. Steve Luzzi, USACE/CERL	8083 - Application of Information Technology in Support of Environmental Efforts Mr. Jason Samus, EA Engineering	8089 - Integrated Archive Research Approach – Closing Historical Range Usage Data Gaps for the State Army National Guard Inventory Mr. Mark Albe, Malcolm Pirnie, Inc.
GREEN PROCUREMENT Room 705	Mr. Dave Astello, OSD	8040 - DoD Green Procure- ment Program Update and Path Forward Mr. Dave Astello, DUSD(I&E)	8006 - Buying Green through GSA Mrs. Cheryl Ansaldi, General Services Administration	8012 - Improving Electronics Stewardship with the FEC & EPEAT Ms. Gate Berard, U.S. Environmental Protection Agency	8084 - Green Products & Services from DLA Ms. Karen Moran, HQ Defense Logistics Agency	7978 - Greening Government Offices Ms. Beth Martin, U.S. Army	7988 - Setting and Meeting Your Green Procurement Goals Ms. Pat Rippey, U.S. Army CHPPM
INTERNATIONAL Room 504	Mr. Doug Carrel, MECX, LP	8154 - Environmental Performance Evaluation in the Norwegian Defence by a Database System Dr. Oddvar Myhre, Norwegian Defence Research Establishment	8173 - Zero Footprint Camp: Waste is a Resource Ms. Carol Wong, Hughes Associates, Inc.	8171 - Minimizing the Footprint of Deployed Bases: Army Approaches to Waste to Energy Conversion Mr. Patrick Taylor, Hughes Associates, Inc.	8187 - Force Provider Environmental Trade Study Results & Emerging Plans Mr. John Munroe, U.S. Army Natick Soldier RDE Center	8162 - RIGHTTRAC Technology Demonstrator Program: Toward Green and Insensitive Munitions Dr. Sylvie Brochu, Defence R&D Canada Valcartier	7757 - Natural Gas Industry in Iran Mr. Hedayat Omidvar, National Iranian Gas Company
POLLUTION PREVENTION Room 507	Mr. Erik Petrovskis, GeoSyntec Mr. Robert Luther, U.S. Army	7835 - UV Curable Powder Coatings for Military Applications; ESTCP Project WP-0801 Mr. Christopher Gelb, SAIC	7849 - Low VOC, Plural Component Spray (PCS) Coatings Mr. Thomas Ferrill, SAIC	8085 - Mg-Rich Non-chromate Coating System Stack-up Assessment Mr. John Stropki, Battelle	8091 - Development of Cadmium and Hexavalent Chromium Free Electrical Connectors: A Synergistic Approach Mr. Rob Mason, Concurrent Technologies Corporation/ NDCEE	8098 - Field Demonstration of Military Bio-based Hydraulic Fluids Using Construction Equipment at Fort Leonard Wood Dr. In-Sik Rhee, U.S. Army RDECOM-TARDEC	8134 - Oily Sludge Biodetoxification Mr. Sonny Maga, NAVFAC ESC
RANGE MANAGEMENT Room 601	Mr. John Claypool	8074 - Range Sustainability Design and Management Strategies for Marine Corps Recruit Depot Parris Island (MCRDPI) Mr. Timothy Harrington, Marine Corps Recruit Depot, Parris Island	8071 - Groundwater Evaluation Process for the USMC's REVA Program Mr. Shane McDonald, Malcolm Pirnie, Inc.	8070 - Surface Water Screening- Level Methods for Assessing Marine Corps Operational Ranges Dr. Edidia Nefso, Malcolm Pirnie, Inc.	8075 - REVA: A Case Study at Marine Corps Installation Ms. Julie Dobschuetz, Malcolm Pirnie, Inc.	8181 - Considerations in Munitions Debris Management: An Analysis of Options and Trends Mr. Les Clarke, Battelle	8292 - Low Impact Development – Environmental Management Ms. Catherine Broad, DoD, WHS, Engineering & Technical Services
SUSTAINABILITY Room 603	Mr. Steve Rasmus- sen, U.S. Air Force	7979 - MEDCOM Sustainability Initiatives – Past, Present & Future Ms. Linda Baetz, U.S. Army Center for Health Promotion and Preventive	8015 - Sustainable Stormwater Management for Compliance with the Energy Act of 2007 Mr. Steven Roy, Geosyntec Consultants	8034 - Enduring Partnerships in Support of Regional Sustainability: The Sustainable Sandhills Model Ms. Heather Brown, CTC	7987 - Greening Yellowstone: Current Efforts of Yellowstone National Park's Environmental Program Mr. Jim Evanoff, Yellowstone National Park	7986 - A Decision Support Calculator for Yellowstone National Park's Sustainability Initiative Ms. Katherine Larson, Georgia Tech Research Institute	8014 - NASA/GSFC: A Case of State Driven GHG Inventory Development & Serendipity Ms. Kathleen Moxley, NASA/ Goddard Space Flight Center

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TRACK	SESSION CHAIR	1:30 PM	2:00 PM	2:30 PM	3:30 PM	4:00 PM	4:30 PM
ACQUISITION Room 501	Mr. Bob Scola, QTechnology International, Inc.	7832 - Environmental, Safety, and Occupational Health Challenges for a Pre-Commissioning Crew Dr. Douglas Parrish, Booz Allen Hamilton	8002 - An Explanation of the Process: Joint Capabilities Integration and Development System Mr. Robert Mirick, Booz Allen Hamilton	8228 - Risk-based Asset Management Project Selection and Funding Decision Support Tool Mr. Richard Tremaglio, TEC, Inc.	8170 - Sustainable Pyrotechnics Mr. William H. Ruppert IV, Hughes Associates, Inc.	8146 - Interactive GIS for Base Managers – Synthesizing and Communicating the Potential Risk of Subsurface Vapor Intrusion to Indoor Air Mr. Jamey Rosen, Geosyntec Consultants	8116 - Improvements to Hazardous Materials Audit Program Prove Effective Mr. Mark Swiger, Hill Air Force Base
CLEAN UP 1 Room 502	Mr. Bill DiGiuseppi, AECOM	7706 - The Use of Surfactants in Effective Free Product Removal Mr. Nick Athens, EcoVac Services	7993 - Using Passive Soil Gas Sampling for Economical Site Characterization Dr. Jay Hodny, W. L. Gore & Associates, Inc.	8053 - Aggressive Source Control Supporting Large-Scale Groundwater Remediation Program Mr. Bill DiGiuseppi, AECOM	8080 - Evaluation of Exposures to TCE in Drinking Water at 38 DoD Sites Mr. Greg Zarus, Agency for Toxic Substances and Disease Registry	8103 - Solar-Powered Bioreactor Demonstrates Sustainable Remediation Mr. Douglas Downey, CH2M HILL	8258 - Sustainable Remediation via Solar-Powered In Situ Bioremediation Mr. James Langenbach, Geosyntec Consultants
CLEAN UP 2 Room 503	Mr. Allen Naugle, TEAM Integrated Engineering, U.S. Army Mr. Shah Alam, U.S. Army	8163 - Semi-Passive Electron Donor Addition for In Situ Bioremediation Mr. Thomas Krug, Geosyntec Consultants	8164 - Field Evaluation of the Treatment of DNAPL Using Emulsified Zero-Valent Iron Mr. Thomas Krug, Geosyntec Consultants	8153 - Impact Assessment of Trichloroethylene – Verification and Validation of Risks to DoD Mr. Vincent Bonifera, Booz Allen Hamilton	8230 - Using Mass Flux Estimation to Assess the Effectiveness and Sustainability of 1,4 Dioxane Remedial Strategies Mr. Thomas Maertens, AECOM	8220 - DoD Progress in Environmental Liabilities Reporting Ms. Patricia Huheey, ODUSD(I&E)	8118 - Best Management Approaches for Incorporating Sustainable Remediation Principles into Response Actions at Army Installations Mr. Kevin Roughgarden, OACSIM
COMPLIANCE Room 605	Ms. Andrea Graham, U.S. Army Mr. Robert Luther, U.S. Army	7774 - Gathering, Managing, and Displaying Environmental Quality Data for Department of Defense Projects Dr. Dave Rich, Geotech Computer Systems	8199 - Supporting Environmental Compliance and the EMS with Practice-based Environmental Training Mr. David Howell, EM-Assist, Inc.	8200 - Supporting Environmental Compliance Using a Comprehensive Environmental Training Plan Mr. Mark Grosser, EM-Assist, Inc.	8359 - Assuming Responsibility for E-Waste through Recycling Initiatives: Emerging Issues with Product Stewardship Initiatives Mr. Carl Smith, Rechargeable Battery Recycling Corporation	8323 - Managing Environmental Liabilities Using Full Lifecycle Accounting Mr. Lynn Hogg, Enfos, Inc.	8373 - Process Mapping as a Basis for Pollution Prevention Opportunity Assessments Ms. Birte Kersting-Wilson, AMEC Earth & Environmental, Inc.
ENERGY Room 505	Mr. Chris Juniper, Sustainability Leaders	8059 - The Defense Logistics Agency's Hydrogen and Fuel Cell Program: Lessons Learned and "Green" Hydrogen Projects Mr. Rob Hardison, LMI	8024 - Energy Conservation & Energy Supply in the Battle Space LTC Rich Lonardo, HQ USSOUTHCOM	8100 - Energy Savings Performance Contract (Including Combined Heat and Power) at a U.S. Army Garrison, Adelphi (USAGA) Mr. John Kumm, EA Engineering	8099 - Capitalize on Existing Assets with Demand Response Mr. Gregg Dixon, EnerNOC, Inc.	8096 - Maximizing Cost-Effectiveness of Energy Service Performance Contracts Mr. Andrew Knox, Booz Allen Hamilton	8374 - Energy Efficiency and DoD Historic Properties Mr. Matt Nowakowski, Andrews Air Force Base
GREEN PROCUREMENT Room 705	Mr. Andrew Kissell, U.S. Navy	8206 - Making a Difference Through BioPreferredSM – Overview and Update of the Federal Government's Initiatives to Promote Biobased Intermediate Ingredients and Finished Products Mr. Ron Buckhalt, USDA BioPreferred	8140 - RFID and Hazardous Waste Implementation Highlights Mr. Anthony Gregory, EM-Assist, Inc.	8112 - Proposed Changes for Hazardous Waste Profiling and Hazardous Identification Numbers Mrs. Amber Gentry-Upston, Defense Reutilization and Marketing Service	8176 - Greening Cleaning: Getting the Science to the Shop Mr. Wayne Ziegler, Army Research Lab	8184 - Enabling Sustainable NESHAP Compliance for Army Installations Mr. Patrick Taylor, Hughes Associates, Inc.	

INTERNATIONAL Room 504	Ms. Sally Gestatus, Raytheon	7811 - Anaerobic Membrane Bioreactors for Treatment of Wastewater at Contingency Locations Capt Andrew Hoisington, USAF Academy	7942 - Criteria and Methodology for Evaluating Water Distribution Network Early Warning Systems for Use on Military Bases Mr. Dan Kroll, Hach Company	8324 - The Security-Stability-Sustainability Nexus: Environmental Considerations Mr. Steven Hearne, Army Environmental Policy Institute	8032 - Emergency Planning for Water Supply Interruptions at Medical Facilities Mr. James Harris, NAVFAC Atlantic	7874 - Site Closure Strategies Utilizing Surfactants and Chemical Oxidants Mr. Nick Athens, EcoVac Services
RISK Room 506	Mr. Richard Scholze, U.S. Army	8237 - Evaluation of Chemical Levels and Subsistence Food Consumption Near Defense Facilities Mr. Charles Grosse, Agency For Toxic Substances and Disease Registry	8139 - Innovations of the Naphthalene Dosimeter Project Dr. Janis Hulla, USACE	8043 - A Multifaceted Approach to Evaluating Public Health Impacts from Environmental PCB Contamination in a Pacific Fishing Community Mr. Greg Zarus, Agency for Toxic Substances and Disease Registry	8227 - Risk-Based Environmental Audit Finding Evaluation and Prioritization Methodology Mr. Michael Bilney, TEC, Inc.	8105 - Sustained Environmental Performance: Leveraging EMS and NEPA Adaptive Management Mr. Chris Fafard, Potomac Hudson Engineering, Inc.
SUSTAINABILITY Room 603	Ms. Sherrill Gardner, Malcolm Pirnie	8008 - A Review of the Air Force Inaugural Sustainability Report Lt Col Wade Weisman, USAF	8203 - Streamlining the EMS Process for Federal Installations Ms. Sarah Van Middlesworth, AECOM Environment	8016 - Building Institutions for Regional Sustainability Ms. Elizabeth Keysar, Concurrent Technology Corporation	8102 - Sustainability: Asking Everyone to Plan for the Future Ms. Charlotte Pugh, CH2M HILL	8036 - Cultural Resources Issues Are Environmental Issues Dr. Ramie Gougeon, Panamerican Consultants, Inc.
SUSTAINABILITY Room 607	Ms. Linda Baetz, U.S. Army	7816 - Nanotechnology Applications in Environment, Energy and Sustainability Dr. Alan Rae, NanoDynamics, Inc.	8115 - Wetlands Mitigation Banking: Achieving Tomorrow's Requirements with Today's Dollars Mr. R. Harold Jones, AH Environmental Consultants, Inc.	8051 - Integrating LEED Concepts and EMS into Air Force Performance Measures Maj Wade Rawlins, USAF, HQ AF/A7CAQ	8133 - Sustainable Remediation and Environmental Management at the Denver Federal Center Dr. Erik Petrovskis, Geosyntec Consultants	8069 - Sedimentation Effects on the Water Supply of Aberdeen Proving Grounds Ms. Jennifer Cearfoss, U.S. Army CHPPM
WATER Room 507	Mr. AJ Wangner, RasCo, Inc.	Cross-Connection Control and Backflow Prevention: Lessons-Learned Ensuring Compliance at Military Installations Mr. AJ Wangner, RasCo, Inc.	8026 - Water Supply and Disposal Considerations in Mission Sustainability Mr. James Martin, CH2M HILL	8166 - Optimization of Treatment to Conserve Water at the Naval Academy Mr. Ramesh Mehta, NAVFAC Washington	8042 - Civil Engineering Operations Regulatory Compliance within an Asset Management Framework Mr. Scott Hartung, URS	
NATURAL INFRASTRUCTURE MANAGEMENT Room 703	Mr. AJ Wangner, RasCo, Inc.	Capability Assessment Guidance, Pilot Study, Upcoming Validation Data Request, and DRRS Integration Lt Col Barron Barnhart, ODUSD (1&E)	Valuation Guidance, Ecosystem Services, and Environmental Credits Lt Col Barron Barnhart, ODUSD (1&E)	Dr. E. Robert McGregor, AMEC Earth & Environmental		

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SUSTAINABILITY Room 607	Ms. Linda Baetz, U.S. Army	7816 - Nanotechnology Applications in Environment, Energy and Sustainability Dr. Alan Rae, NanoDynamics, Inc.	8115 - Wetlands Mitigation Banking: Achieving Tomorrow's Requirements with Today's Dollars Mr. R. Harold Jones, AH Environmental Consultants, Inc.	8051 - Integrating LEED Concepts and EMS into Air Force Performance Measures Maj Wade Rawlins, USAF, HQ AF/A7CAQ	8133 - Sustainable Remediation and Environmental Management at the Denver Federal Center Dr. Erik Petrovskis, Geosyntec Consultants	8069 - Sedimentation Effects on the Water Supply of Aberdeen Proving Grounds Ms. Jennifer Cearfoss, U.S. Army CHPPM
WATER Room 507	Mr. AJ Wangner, RasCo, Inc.	Cross-Connection Control and Backflow Prevention: Lessons-Learned Ensuring Compliance at Military Installations Mr. AJ Wangner, RasCo, Inc.	8026 - Water Supply and Disposal Considerations in Mission Sustainability Mr. James Martin, CH2M HILL	8166 - Optimization of Treatment to Conserve Water at the Naval Academy Mr. Ramesh Mehta, NAVFAC Washington	8042 - Civil Engineering Operations Regulatory Compliance within an Asset Management Framework Mr. Scott Hartung, URS	
NATURAL INFRASTRUCTURE MANAGEMENT Room 703	Mr. AJ Wangner, RasCo, Inc.	Capability Assessment Guidance, Pilot Study, Upcoming Validation Data Request, and DRRS Integration Lt Col Barron Barnhart, ODUSD (1&E)	Valuation Guidance, Ecosystem Services, and Environmental Credits Lt Col Barron Barnhart, ODUSD (1&E)	Dr. E. Robert McGregor, AMEC Earth & Environmental		

## ADDITIONAL AUTHORS

7706	Mr. David Goodrich	8029	Mr. Greg Zarus	8076	Ms. Linda Kemp
7709	Ms. Karen Castro		Mr. Charles Grosse	8077	Ms. Joanne Truong
	Ms. Karen Winnie		Ms. Kathleen Pugh		Ms. Jennifer Simmons
7710	Ms. Lingke Zeng		Ms. Sandy Isaacs	8078	Mr. Michael Asakawa
	Mr. Doug Mullendore	8031	Dr. Elizabeth Ferguson		Ms. Jennifer Simmons
7711	Ms. Lingke Zeng	8032	Ms. Polly Kendall	8079	Mr. Mike Madl
	Mr. Doug Mullendore		Mr. David Hildebrand		Ms. Rose Forbes
7718	Mr. Sanders Freed	8033	Mr. Jim Mueller		Ms. Shannon Smith
	Ms. Margen Carlson		Mr. Alan Seech		Ms. Mary O'Reilly
	Dr. Steve Richards		Mr. David Hill	8080	Mr. Tom Palaia
	Ms. Katarzyna Chelkowska-Risley		Mr. Matt Fedowitz		Dr. Tonia Burk
7719	Mr. Oral Saulters	8034	Mr. Paul Wirt		Ms. Kathrine Pugh
	Dr. Larry Erickson		Ms. Elizabeth Keysar	8081	Mr. Charles Grosse
	Mr. Ryan Green	8036	Ms. Kelly Nolte		Mr. Scott Sudweeks
	Ms. Leslie Jamka	8037	Mr. Kevin Merichko	8087	Ms. Heather Nifong
7801	Mr. Stephen Surface	8039	Ms. Christina Graven	8089	Mr. Jim Tankersley
7809	Mr. Gino Spinos	8040	Ms. Sandy Ross	8090	Mr. Frank Werner
	Ms. Heather Brent		Ms. Christina Graven	8087	Ms. Megan Kari
7811	Cadet Anthony Hilko	8041	Ms. Jan Larkin	8091	Ms. Rosemarie Fehrman
	Dr. Rod Jenkins	8042	Dr. Benjamin Gayle	8090	Ms. Rosemarie Fehrman
7835	Mr. Corey Bliss	8043	Mr. Scott Sudweeks	8091	Ms. Margo Neidbalson
7849	Mr. Lucas Reyher	8046	Mr. Tom O'Neill		Dr. Mark Singleton
7864	Mr. Ross Roley		Ms. Erica Becvar		Ms. Parminder Khabra
	Mr. Dave Kratochvil		Ms. Christine Routt	8094	Mr. Carl Handsy
7868	Mr. John Clerici		Ms. Deb Moorefield		Mr. Tom Napier
7874	Mr. David Goodrich	8047	Major Wade Rawlins	8095	Mr. Gary Bordson
7880	Ms. Theresa Stack		Ms. Christine Tipton		Ms. Natalie Myers
	Ms. Cathy Rothwell	8048	Mr. Dave Williams	8096	Mr. David Sheets
7902	Mr. Richard Gardner	8050	Mr. Chuck Newell	8097	Mr. John Asalone
	Mr. Charles Schmidt		Ms. Tiffany Swann	8100	Ms. Angela Rolufs
7942	Mr. Mark Ginsberg		Mr. Doug Ruppel	8101	Mr. Rodney Vitek
	Mr. Karl King		Mr. Doug Downey	8102	Mr. Brett Perron
7973	Ms. Jennifer McCullough	8051	Ms. Christine Tipton	8103	Mr. Randall Bright
7979	Mr. Damon Cardenas	8052	Dr. Michael Bailey		Ms. Tracy Williams
7981	Mr. Steven Hirau	8053	Mr. Jim Hatton		Mr. Glenn Anderson
7986	Mr. Kevin Caravati		Mr. George Warner	8105	Ms. Lonnie Duke
	Mr. Jim Evanoff	8054	Ms. Amy Parker	8107	Mr. Travis Young
7987	Mr. Steve Iobst	8055	Ms. Christine Routt		Ms. Erica Becvar
	Ms. Angela Rice	8056	Ms. Megan Zadecky		Dr. Alistair Leslie
	Mr. Kevin Caravati	8057	Ms. Sandra Cotter		Mr. Jim Mueller
7993	Mr. Greg Schaefer		Mr. Michael Shaw		Mr. Alan Seech
8008	Ms. Krista Goodale	8058	Ms. Christine Routt		Ms. Tracy Bellehumeur
8009	Ms. Krista Goodale	8062	Mr. Robert Ettinger		Ms. Fayaz Lakhwala
8013	Ms. Beth Freese		Dr. Paul Johnson	8108	Ms. Caroline Harrover
	Ms. Jill Enright		Mr. Bart Eklund	8109	Dr. Kate Catlett
8014	Mr. Jeremy Alcorn		Ms. Heidi Hayes		Dr. Tom Stockton
8015	Mr. Ganesh Krishnan	8065	Ms. Brooke Conway		Dr. Clif Youmans
8021	Major Wade Rawlins		Mr. John Bosch		Dr. Dean Neptune
	Mr. Ed McNicholas		Mr. Sean Mulligan	8110	Mr. Donald Yee
8023	Ms. Cheryl Ulrich	8066	Ms. Karen Gill		Mr. Bill May
	Mr. Barry Stamey	8070	Mr. Clifton Bell		Mr. Paul Brezovec
	Dr. Jane Tang	8071	Ms. Juliana Atmadja	8111	Dr. Lawrence Williams
	Dr. Clement McGowan	8072	Ms. Christina Graven		Dr. Gunda Reddy
8024	Dr. James Cross	8074	Ms. Kristen Duda	8112	Mr. Randy Smith
	Mr. Chris Bolton		Ms. Kyra Donnell	8113	Mr. Todd Fitch
8027	Mr. Khoi Nguyen	8075	Ms. Jennifer Simmons	8115	Mr. Richard Lockwood
				8116	Ms. Kathy Garrett
				8117	Mr. Ryan Rakauskas
				8120	Ms. Kristen Duda
					Ms. Patricia White

	Mr. Jonathan Weier	8171	Ms. Carol Wong		
	Mr. Tim Harrington	8173	Mr. Patrick Taylor	8237	Mr. Gregory Zarus
8121	Mrs. Colleen Maughan	8175	Dr. Nancy Ruiz		Ms. Carole Hossom
8122	Mr. Anthony Swiger		Dr. Jacqueline Quinn		Dr. Tonia Burk
8124	Mr. Mark Kaschmitter		Dr. Christian Clausen		Mr. Scott Sudsweek
8125	Mr. Pat Greico		Ms. Suzanne O'Hara	8239	Mr. Crate Spears
8126	Mr. Timothy Buck	8176	Mr. Tom Torres		Dr. William Gibson
	Mr. Paul Graham	8178	Mrs. Barbara Brygider	8240	Ms. Melissa Lapsa
8130	Mr. Carmen Lebrón	8179	Mr. Lee Stanek		Mr. Pat Hughes
	Dr. Frank Löffler		Mr. David Pinsky		Mr. John Shonder
	Dr. Kirsti Ritalahti		Mr. Timothy Sheehan	8241	Mr. Tom King
	Mr. Keith Henn		Mr. Jeffrey Axelrod		Mr. Patrick Hughes
8131	Mr. Mal McLeod	8180	Ms. Karla Harre		Ms. Melissa Lapsa
8132	Mr. Stephen Cosper	8181	Mr. Jim Abbott	8242	Mr. Tom King
	Mr. Mal McLeod		Mr. Al Pollack		Mr. Patrick Hughes
8133	Mr. John Kleinschmidt	8186	Ms. Shannon Cunniff		Mr. John Shonder
	Ms. Jessica Higgins	8187	Ms. Carol Wong	8244	Ms. Susana Simoes
	Mr. Charlie Rienhardt	8188	Mr. Andrew Martin		Capt Ricky Cam
	Mr. Robert Melvin		Mr. Gregory Zynda	8245	Mr. Tom King
8134	Dr. Fred Goetz		Mr. Steve Larson		Ms. Melissa Lapsa
8135	Dr. Shannon Lloyd		Mr. Jeff Davis		Mr. John Shonder
8137	Ms. Amy Cordle	8190	Mr. Willis Adams	8246	Mr. Patrick Hughes
	Mr. Andrew Gentile	8192	Ms. Shannon Cunniff		Ms. Melissa Lapsa
	Mr. David Battts		Mr. Paul Yaroschak		Mr. John Shonder
8138	Dr. Shannon Lloyd	8193	Mr. Scott Kenner	8249	Ms. Giannina Ienco
8140	Mr Wayne Downs	8194	Mr. Scott Sanders		Ms. Emily Lawrence
8141	Mr. Mark Stunder	8196	Mr. William Nagel	8256	Ms. Katherine Peterson
	Ms. Radhika Narayanan		Mr. Jimmy Whitmer		Ms. Linda O'Banion
8144	Ms. Kathryn Gregory	8197	Mr. David Guzewich		Mr. Rick Osborn
	Mr. John Casana		Mr. Scott Recinos	8258	Dr. Rebecca Daprato
8146	Mr. Peter de Haven		Ms. Jennifer Hass		Ms. Rosaly Santos-Ebaugh
	Mr. Todd McAlary		Mr. Chris Oh		Dr. Thomas Peel
8147	Mr. Aaron Etnyre	8198	Mr. Aaron Murray	8259	Mr. Sriram Madabhushi
8148	Ms. Jessica Damon	8201	Dr. Scott Thomas	8263	Mr. Robert Strous Jr.
8150	Mr. Richard Callahan	8205	Mr. Brian Reddig		Mr. Mark Giesfeldt
8153	Mr. Terry Messenger	8206	Mrs. Shana Love		Ms. Marie Stewart
	Ms. Linda Thompson	8207	Mr. Roger Ashbaugh	8277	Mr. Tom O'Neill
8154	Dr Trine Reistad	8208	Dr. Raymond Kutzman		Mr. Sriram Madabhushi
	Mrs. Hege Ringnes		Dr. Richard Mavis	8279	Ms. Kimberly Dauterman
	Mr. Kjetil Longva		Mr. Andrew Rak	8280	Mr. Kenneth Dormer
8158	Dr. David Steup	8209	Ms. Lucy Rodriguez	8322	Ms. Rose Forbes
	Mr. John Hinz	8210	Mr. Bob Smith	8325	Dr. Matt Mathavan
	Dr. Redy Gunda	8211	Mr. Jefferson Walker		Mr. Ted Kaehler
	Dr. David Mattie	8213	Mr. Michael Lloyd	8348	Mr. David Sheets
8161	Mr. Jared Johnson	8215	Ms. Rhonda Stone		Mr. I. Sam Higuchi
	Mr. Greg O'Connor		Mr. Dave Mercadante	8373	Mr. Richard McCoy
	Dr. Steve Larson	8216	Mr. Bruce Corning	8397	Dr. Gorm Heron
8162	Mr. Marc Brassard		Mr. Bruce Jackson		Mr. Ken Parker
8163	Mr. Evan Cox	8220	Ms. Sharon Dubrow		Mr. David Brogan
	Mr. David Bertrand	8221	Ms. Joyce Baird		Mr. Dennis Rentschler
8164	Ms. Suzanne O'Hara		Ms. Pam Khabra	8410	Mr. Stephen Paff
	Dr. Jacqueline Quinn		Mr. Wayne Zeigler		Ms. Mindy Parr
	Dr. Nancy Ruiz	8222	Mr. William DiGuiseppi		Ms. Karen Downs
	Mr. Mark Watling		Mr. William Looney	8413	Mr. Sriram Madabhushi
8165	Ms. Catherine Vogel	8224	Mr. Paul Josephson	8564	Mr. Peter Muller
	Ms. Kelly Scanlon	8230	Mr. Bill DiGuiseppi	8667	Mr. Steve Stone
	Mr. Vincent Bonifera		Mr. Jim Hatton		
8166	Mr. David Hildebrand	8231	Mr. Krishna Ganta		
8170	Ms. Carol Wong	8232	Mr. Crate Spears		
	Ms. Sharon Chen		Mr. Kenneth Rock		

# EXHIBITORS

## BY COMPANY NAME

COMPANY NAME	BOOTH NUMBER
Aarcher, Inc.	813
aci consulting	1028
Acquisition Services Directorate	1405
ACT, Inc.	1311
advanced green technologies	1330
Adventus Group	1207
AECOM	1205
Aerostar Environmental Services, Inc.	808
AFCEE	804
AH Environmental Consultants, Inc.	926
AMEC	1105
Applied Services & Information Systems, Inc.	1221
Army Corp of Engineers -- Norfolk District Office	1403
Basic Concepts, Inc.	805
Battelle	1216
Better Engineering Mfg., Inc.	1322
Booz Allen Hamilton	819
Bouldin And Lawson	815
Cabrera Services, Inc.	907
CACI	1321
CDM	1320
CH2M HILL	1116
Chenega Global Services, LLC	1326
Clarus Technologies, LLC	1222
Containment Corporation	1307
Defense Energy Support Center	1418
Defense Logistics Information Service	1426
Defense Realization and Marketing Service	1420
Defense Supply Center Philadelphia	1428
Directed Technologies Drilling	925
Distech Controls	825
DoD Ozone Depleting Substances Reserve	1430
DPRA Incorporated	1119
DSCR - Hazardous Information Programs	1427
DSCR - Hazardous Information Programs	1429
Dynamac Corporation	820
EA	910
ECC	903
Ecology and Environment, Inc.	1411
EcoVac Services	1109
EM-Assist	916

EnerNOC, Inc.	822
Engineering & Environment, Inc.	920
Engineering-Environmental Management	1006
Enviance	1303
ESRI	1219
FedCenter (EPA)	909
Federal Energy Management Program	1406
FPM Group/FPM Remediations	1026
General Dynamics	1204
GeoSpatial Experts	929
Geosyntec Consultants	1416
Geotech Computer Systems, Inc.	1404
Gradient Technology	1127
HNTB	1304
HSToday Magazine	927
IHS	908
Infoscitex Corporation	1121
ISEERB	1422
ITRC	1408
Joint Service P2 & Sustainability Library	1305
Los Alamos National Laboratory	829
Los Alamos Technical Associates (LATA)	1007
Lutron Electronics	810
MACTEC Engineering and Consulting, Inc	1319
Malcolm Pirnie, Inc.	1015
MECX, LP	1111
Michael Baker Jr. Inc.	919
MWH Global	812
Nature'sBroom	1129
Naval Facilities Engineering Command (NAVFAC)	1419
Navy HMC&M	816
NDCEE	1310
NDIA	827
Northgate Environmental Management, Inc.	1425
Northrop Grumman Mission Systems	1209
OREGA	1328
Panamerican Consultants, Inc.	1220
Parsons	1009
PDQ Precision, Inc.	1106
Plateau Software, Inc.	803
Potomac-Hudson Engineering, Inc.	1019
Qepi	1308
RASco, Inc.	904
Rechargeable Battery Recycling Corp	1022
Reliability Information Analysis Center	1104
SAIC	1210
Scientific Services Program	1004



SERDP/ESTCP	921
SES LLC	1208
SHAW	922
Simple Green	1008
Smith-Manus	1120
Solution Foundry	1110
STC environmental Specialty Products	826
Stone Environmental, Inc.	811
Sullivan International Group, Inc.	1025
TerraTherm, Inc.	1412
TestAmerica	1203
Tetra Tech	1010
The Louis Berger Group, Inc.	1020
Tikigaq Corporation	1421
TLI Solutions, Inc.	1125
TolTest, Inc.	1103
U.S. Army Corps of Engineers	911
U.S. Army Environmental Command	1030
United Soybean Board	1409
University of Denver	1112
URS Corporation	1108
US Army Aberdeen Test Center	1107
US EPA National Performance Track	905
US EPA National Risk Management Research Lab	928
US EPA-NRMRL	1309
USACHPPM	930
UXB International, Inc	1029
Versar Inc.	1021
Vibrant Solar	807
Vista GeoScience	830
W. L. Gore & Associates, Inc.	912
Western Cultural Resource Management	1122
Weston Solutions, Inc.	806
Weston Solutions, Inc.	1003
Zonge Engineering and Research Organization, Inc.	1027

811	Stone Environmental, Inc.
812	MWH Global
813	Aarcher, Inc.
815	Bouldin And Lawson
816	Navy HMC&M
819	Booz Allen Hamilton
820	Dynamac Corporation
822	EnerNOC, Inc.
825	Distech Controls
826	STC environmental Specialty Products
827	NDIA
829	Los Alamos National Laboratory
830	Vista GeoScience
903	ECC
904	RASco, Inc.
905	US EPA National Performance Track
907	Cabrera Services, Inc.
908	IHS
909	FedCenter (EPA)
910	EA
911	U.S. Army Corps of Engineers
912	W. L. Gore & Associates, Inc.
916	EM-Assist
919	Michael Baker Jr. Inc.
920	Engineering & Environment, Inc.
921	SERDP/ESTCP
922	SHAW
925	Directed Technologies Drilling
926	AH Environmental Consultants, Inc.
927	HSToday Magazine
928	US EPA National Risk Management Research Lab
929	GeoSpatial Experts
930	USACHPPM
1003	Weston Solutions, Inc.
1004	Scientific Services Program
1006	Engineering-Environmental Management
1007	Los Alamos Technical Associates (LATA)
1008	Simple Green
1009	Parsons
1010	Tetra Tech
1015	Malcolm Pirnie, Inc.
1019	Potomac-Hudson Engineering, Inc.
1020	The Louis Berger Group, Inc.
1021	Versar Inc.
1022	Rechargeable Battery Recycling Corp

BY BOOTH NUMBER

BOOTH NUMBER	COMPANY NAME
803	Plateau Software, Inc.
804	AFCEE
805	Basic Concepts, Inc.
806	Weston Solutions, Inc.
807	Vibrant Solar
808	Aerostar Environmental Services, Inc.
810	Lutron Electronics

ENVIRONMENT, ENERGY & SUSTAINABILITY  
SYMPOSIUM & EXHIBITION

1025	Sullivan International Group, Inc.
1026	FPM Group/FPM Remediations
1027	Zonge Engineering and Research Organization, Inc.
1028	aci consulting
1029	UXB International, Inc
1030	U.S. Army Environmental Command
1103	TolTest, Inc.
1104	Reliability Information Analysis Center
1105	AMEC
1106	PDQ Precision, Inc.
1107	US Army Aberdeen Test Center
1108	URS Corporation
1109	EcoVac Services
1110	Solution Foundry
1111	MECX, LP
1112	University of Denver
1116	CH2M HILL
1119	DPRA Incorporated
1120	Smith-Manus
1121	Infoscitex Corporation
1122	Western Cultural Resource Management
1125	TLI Solutions, Inc.
1127	Gradient Technology
1129	Nature'sBroom
1203	TestAmerica
1204	General Dynamics
1205	AECOM
1207	Adventus Group
1208	SES LLC
1209	Northrop Grumman Mission Systems
1210	SAIC
1216	Battelle
1219	ESRI
1220	Panamerican Consultants, Inc.
1221	Applied Services & Information Systems, Inc.
1222	Clarus Technologies, LLC
1303	Enviance
1304	HNTB
1305	Joint Service P2 & Sustainability Library
1307	Containment Corporation
1308	Qepi
1309	US EPA-NRMRL
1310	NDCEE
1311	ACT, Inc.
1319	MACTEC Engineering and Consulting, Inc

1320	CDM
1321	CACI
1322	Better Engineering Mfg., Inc.
1326	Chenega Global Services, LLC
1328	OREGA
1330	advanced green technologies
1403	Army Corp of Engineers -- Norfolk District Office
1404	Geotech Computer Systems, Inc.
1405	Acquisition Services Directorate
1406	Federal Energy Management Program
1408	ITRC
1409	United Soybean Board
1411	Ecology and Environment, Inc.
1412	TerraTherm, Inc.
1416	Geosyntec Consultants
1418	Defense Energy Support Center
1419	Naval Facilities Engineering Command (NAVFAC)
1420	Defense Realization and Marketing Service
1421	Tikigaq Corporation
1422	ISEERB
1425	Northgate Environmental Management, Inc.
1426	Defense Logistics Information Service
1427	DSCR - Hazardous Information Programs
1428	Defense Supply Center Philadelphia
1429	DSCR - Hazardous Information Programs
1430	DoD Ozone Depleting Substances Reserve

Lunch Area

1530
1528
1526

1500 Aisle

DOD Ozon	1529
Defen se	1527
Defen se	1525
1426	1525

1400 Aisle

DSCR	1429
DSCR	1427
North gate	1425
1326	1425

1300 Aisle

Vehicle Display

1100 Aisle

Reser ved	1129
Gradie nt	1127
TLI Soluti	1125
1026	1125

1000 Aisle

UXB Intern	1029
Zonge Engin	1027
Sulliv an	1025
1026	1025

900 Aisle

Geos patial	929
HSTO day	927
Direct ed	925
826	925

800 Aisle

Los Alam	829
Reser ved	827
Diste ch	825

700 Aisle

1522
1520
1518
1516

ISEER B	1422	1521
Defen se	1420	1519
Defen se	1418	1517
Geos yntec	1416	1515

Tikiga g	1421
NAVA L	1419
CDM L	1320
1320	1419

CACI	1321
MACT EC	1319
1220	1319

Appli ed	1221
ESRI	1219
1120	1219

Infosc itex	1121
DPR incorp	1119
1020	1119

Versa r Inc.	1021
Poto mac-	1019
1020	1019

SERD P/EST	921
Micha el	919
820	919

20' Hamilt on	819
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1512
1510
1508
1506
1504

Terra Ther	1412	1511
Chem ical	1410	1509
Envir onme	1408	1507
Feder al	1406	1505
Geote ch	1404	1503

Ecolo gy	1411
Unite d	1409
1310	1409
1308	1407

ACT, Inc.	1311
Reser ved	1309
Contai nment	1307
1208	1307

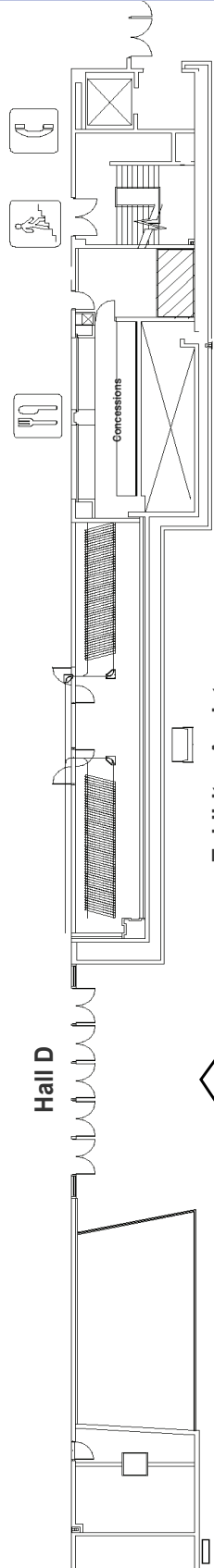
Univer sity of	1112	1209
Soluti on	1110	1209
URS Corpo	1108	1207
1104	1203	

MECX, LP	1111
EcoVa c	1109
US Army	1107
1008	1105

W. L. Gore	912
EA	910
IHS Alam	908
1009	1007

MWH Globa	812
FedCe nter	810
810	909
808	907

Bould in	815
Aarch er,	813
Stone Envir	811
20' Reserved	807
Basic Conc	805
Platea u	803



Exhibitor Assistance

Entrance

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