



2006 Global Demilitarization Symposium & Exhibition



**Indianapolis Convention Center
Indianapolis, IN
Event #6580**

AGENDA
2006 Global Demilitarization
Symposium & Exhibition
Event #6580
Monday, May 1, 2006

10:00am-4:00pm **Exhibitor Move in and Registration**

5:00p.m. - 7:00p.m. **Early Registration & Light Reception in Exhibit Hall**

Tuesday, May 2, 2006

7:00a.m. **Late Registration & Continental Breakfast**

8:00a.m. **Welcome**
Mr. Don Schulte, Naval Surface Warfare Center, Crane Division

8:10a.m. **Call to Order/Welcome**
James Wheeler, Chairman,
NDIA Demilitarization Committee

8:20a.m. **Keynote Introduction**
COL Todd Smith, Crane Army
Ammunition Activity

8:30a.m. **Keynote Address**
BG James Rogers, CG, Joint Munitions
Command

9:00a.m. **Materials of Evolving Regulatory Interest Team**
Ms. Shannon Cunniff, OSD

9:00a.m. **Exhibits Open**

9:30a.m. **Break In Exhibit Hall**

10:30a.m. **Advanced Planning Briefing to Industry**
LTC Brian Raftery, Product Manager for
Demilitarization

Tuesday, May 2, 2006

- 11:00a.m. ICAP Update**
Mr. Ralph Hayes, El Dorado Engineering Inc.
- 11:20a.m. JMC Demil Execution Update**
Mr. Lou Ligeno, Joint Munitions Command
- 11:40a.m. JOCG/NDIA JOHN L. BYRD, Jr. MEMORIAL AWARD FOR ECELLENCE IN MUNITIONS DEMILITARIZATION**
Presented by : BG James Rogers, JMC;
Mr. James Wheeler, Chairman,
NDIA Demilitarization Committee
Lt Gen Lawrence P. Farrell Jr.
USAF (Ret), President and CEO, NDIA
- 12:00 Lunch in the Exhibit Hall**
- 1:00p.m. Army Missile Demilitarization Program**
Mr. Larry Gunter, U.S. Army Aviation and Missile Command
- 1:20p.m. Demil Contract Status**
Mr. Wilfried Meyer,
General Dynamics OTS
- 1:40p.m. US-ROK, Joint Munitions Demil Facility (DEFAC)**
COL Ki-Soo Lee, Ministry of National Defense, ROK
- 2:00p.m. Coalition Munitions Clearance Ordnance Demil**
Mr. Wayne Shaw, U.S. Army Corps of Engineers
- 2:20p.m. Demil Development in NATO**
- 2:40p.m. Break In Exhibit Hall**
- 3:10p.m. JOCG Environmental**
Ms. Lois Bohne, Naval Ordnance Safety Security Activity

Tuesday, May 2, 2006

- 3:30p.m. Material Potentially Presenting an Explosive Hazard (MPPEH)**
Mr. Samuel Dallstream, HQDA
- 3:50p.m. Design For Demil IPT**
Mr. Gary Mescavage, U.S. Army ARDEC
- 4:10p.m. Demil R&D IPT**
Mr. Larry Nortunen, Defense Ammunition Center
- 4:30p.m. Ammunition Peculiar Equipment (APE)**
Mr. Terry Hackett, Joint Munitions Command
- 4:50p.m. CAAA/NSWC Crane Demil Tour Overview**
Mr. John Langraf, CAAA Business Manager
- 5:00p.m - Reception in Exhibit Hall**
7:00p.m.
- 7:00 p.m. Exhibit Hall Closes**

Wednesday, May 3, 2006

- 7:00a.m. Late Registration & Continental Breakfast**
- 8:00a.m. Call to Order, JOCG Update**
Mr. Jim Wheeler, Chairman,
NDIA Demilitarization Committee
- 8:10a.m. DDA's - Enforcers of the Military Munitions Rule**
Mr. Tony Livingston, Joint Munitions Command
- 8:20a.m. How Clean is Safe**
Mr. Rick Almond, Tennessee Valley Authority
- 8:30a.m. NATO AC/326 Subgroup 5 (Logistic Storage and Disposal) Activities**
Dr. Jerry Ward, DDESB
- 8:50a.m. Pacific Theater Demil Program**
Mr. Jim Hale, USARPAC

Wednesday, May 3, 2006

- 9:00a.m. Exhibit Hall Opens**
- 9:10a.m. Munitions Items Disposition Action System (MIDAS)**
Mr. Tyrone Nordquist, Defense
Ammunition Center
- 9:30a.m. MACS Identification of Chemicals of Concern**
Dr. George Thompson, Chemical
Compliance Systems, Inc.
- 9:50a.m. Break in Exhibit Hall**

Following Sessions A and B are Concurrent with one another for the Remaining time of the Symposium

Sessions A will be held in Sagamore Ballroom 5
Sessions B will be held in Sagamore Ballroom 6

Wednesday, May 3, 2006

Session I-A Sagamore Ballroom 5

Session Chair, Mr. Rich Fuller, HQ, JMC

- 10:20a.m. Demilitarization Technologies - Past, Present and Future,**
Mr. Hermann Tritsch and Mr. Michael Garner,
Industriepark Spreewerk Lubben
- 10:45a.m. Operational Adaptability in Demil Engineering,** Mr. Wilfried Meyer,
General Dynamics
- 11:10a.m. Explosives Safety Aspects of Demilitarization,** Mr. Lyn Little,
Defense Ammunition Center
- 11:35p.m. A “Hands-on” Approach to Demilitarization Safety Program Management,** Mr. Richard Witiak, General Dynamics-OTS

12:00 noon Lunch in Exhibit Hall

Session II-A Sagamore Ballroom 5

Session Chair, Mr. Larry Gibbs, PM Joint Services

- 1:20p.m. Second Generation On-Line DEMIL Database Enhancements and Upgrades,**
Mr. Robert Sontheimer, General Dynamics OTS
- 1:45p.m. Using MACS to Quantify Your ISO 14001 EMS,** Dr. George Thompson, Chemical compliance Systems, Inc.
- 2:10p.m. A Great Demil Success Story - Innovative Reuse of JA2 Propellant,** Ms. Monika Curcione,
General Dynamics
- 2:35p.m. Small Arms Brass Recycling and Reclamation,** Mr. Brent Hunt, Ammunition Equipment Directorate
- 3:00p.m. Break in Exhibit Hall Last Chance to View Exhibits!!!**
3:30p.m. Exhibits Close

Continued Concurrent Sessions

Wednesday, May 3, 2006

Session I-B Sagamore Ballroom 6

Session Chair, Mr. Jim Hurley, Northrop Grumman

10:20a.m. Update on Demil Technology Development Projects at General Atomics,
Mr. James Elliott, General Atomics

10:45a.m. Treatment Technologies For Perchlorate-Containing Effluents,
Mr. Edward Coppola,
Applied Research Associates

11:10a.m. Dynasafe Confined Detonation Chambers - A New Tool for High Production Rate, Environmentally Sound, Low Cost Demil,
Mr. Harley Heaton, UXB International Inc.

11:35a.m. Kvg-16 Industrial Detonation Chamber For Disposal Of Pyrotechnic Munitions, Dr. Marcel Hanus, OZM Research, Czech Republic

12:00 Lunch in Exhibit Hall

Session II-B Sagamore Ballroom 6

Session Chair, Mr. Walt Wapman, SNL

1:20p.m. Robotic Assembly of Three-Dimensional Heterogeneous MEMS Devices, Mr. James Jones, Sandia National Laboratories

1:45p.m. Molten Salt Oxidation Application in the Republic of Korea, Mr. Tim Rivers, MSE Technology Applications, Inc.

2:10p.m. Propellant Stabilizer Analysis by Thin-Layer Chromatography the Process of Fielding the Technology, Mr. Richard Whipple, Lawrence Livermore National Laboratory

2:35p.m. Point of Application Synthesis of Sensitive Explosive, Mr. Karl Wally, Sandia National Laboratories

3:00p.m. Break in Exhibit Hall Last Chance to View Exhibits

3:30p.m. Exhibits Close

Continued Concurrent Sessions

Wednesday, May 3, 2006

Final Concurrent Session

Session III-A Sagamore Ballroom 5

Session Chair, Mr. Tyrone Nordquist, DAC

- 3:30p.m. Environmental Support for the General Dynamics Demil Team**, Mr. Carl Christiansen, EASE, Inc.
- 3:55p.m. Use of Liquid (Emulsion) Explosives for Bulk Disposal of Ammunition**, Dr. Dov Herskowitz, EMI, Isreal
- 4:20p.m. Canister charge – The Problem with Old Munitions in the Stockpile**, Mr. Joakim Hagvall, FOI- Swedish Defence Research Agency
- 4:45p.m. Automated Tactical Ammunition Classification System (ATACS)**, Mr. Bruce Ramm, Defense Ammunition Center
- 5:05p.m. Adjourn for the Day**

Thursday, May 4, 2006

7:00am Continental Breakfast

Session IV-A Sagamore Ballroom 5

Session Chair, Dr. Solim Kwak, DAC

- 8:00a.m. ActoDemil Propellant Conversion to Fertilizer**, Mr. Nand Kaushik, ArcTech, Inc.
- 8:25a.m. Particle Aerosol Mass Spectrometer (PAMS) for OB/OD**, Dr. David Fergensen, Lawrence Livermore National Laboratory
- 8:50a.m. Theoretical and Experimental Analysis of the Photo-Catalytic Degradation of Organic Molecules using Free-Base Porphyrins**, Dr. Tom Collins, Oklahoma State University
- 9:15a.m. Photocatalytic Destruction of TNT and RDX**, Dr. James Harmon, Oklahoma State University
- 9:35a.m. Break**

Wednesday, May 3, 2006

Final Concurrent Session

Session III-B Sagamore Ballroom 6

Session Chair, Mr. Ray Goldstein, U.S. Army ARDEC

- 3:30p.m. Recovery of Magnesium from Illumination Flares,**
Mr. Ralph Hayes El Dorado Engineering Inc. and Stuart
Nemiroff, U.S. Army Armaments Res, Dev and
Eng Center
- 3:55p.m. Ultrasonic Fragmentation of Cast Energetic
Materials,** Mr. David Emery, ARDEC and
Ms. Catherine Malins, TPL, Inc.
- 4:20p.m. Recovery and Reuse of Core Ingredients from
Decommissioned/Obsolete Gun Propellant,**
Dr. Nese Orbey, Foster-Miller, Inc.
- 4:45p.m. Acid Digestion Process For Unexploded Ordnance,**
Mr. Ed Groth, Battelle
- 5:05p.m. Adjourn for the Day**

Thursday, May 4, 2006

7:00am Continental Breakfast

Session IV-B Sagamore Ballroom 6

Session Chair, Mr. Dan Burch, NSWC Crane

- 8:00a.m. Structural Response, Munition Destruction
Capabilities and Environmental Testing Results for
a Large Controlled Detonation Chamber (CDC),** Dr.
John Coffey, CH2MHILL
- 8:25a.m. Explosive D Processing Facility Transition,** Mr. Ryan
Smith, Gradient Technology
- 8:50a.m. Reuse of Gun Propellant as Flashless Powder for
Small Arms,** Mr. Thane Morgan, TPL Inc.
- 9:15a.m. Validating the Performance of an Integrated
Waterjet Cutting Fixture,** Dr. David Summers,
University of Missouri-Rolla
- 9:35a.m. Break**

Continued Concurrent Sessions

Thursday, May 4, 2006
Continued Concurrent Sessions

Session V-A Sagamore 5

Session Chair, Mr. Ed Ansell, DAC

- 10:05a.m. Closed Loop Processing of Energetics to Safely Eliminate Emissions**, Mr. Brian Butters,
Purifics ES Inc.
- 10:30a.m. Characterization of Particulate Emissions from Missile Motor Detonation Activities**, Dr. Michael McFarland, Utah State University
- 10:55a.m. Permitting of Facilities Treating Energetic Wastes by Open Burn and/or Open Detonation**, Ms. Stacy Braye, Environmental Protection Agency
- 11:20a.m. Pine Bluff Arsenal: Cleanup of White Phosphorous Canisters**, Mr. Shahrukh Kanga, PIKA International Inc.

11:45a.m. Lunch

Session VI-A Sagamore 5

Session Chair, Mr. Greg Olson, DAC

- 1:20p.m. Propellant Stability Screening Using the APE 1995 NIR Scanner for Demil and Surveillance Ops**, Mr. Terri Haskins, Geo-Centers, Inc.
- 1:45p.m. Field Identification of Explosives Using Near Infrared and other Instrumented Techniques**, Mr. Lewis Kansas, SIAC
- 2:10p.m. Demilitarization of Munitions Recovered From Burial Sites Using High Production Rate Confined Detonation Chambers**, Mr. Harley Heaton, UXB International
- 2:35p.m. Solutions To Demil/Disposal Challenges Demilitarization of Training Munitions and Range Residue**, Mr. John Stine, UXB International, Inc.
- 3:00p.m. Break**

Thursday, May 4, 2006
Continued Concurrent Sessions

Session V-B Sagamore 6

Session Chair, Mr. Aaron Williams, DAC

- 10:05a.m. Induction Heating of Munitions,**
Mr. Mike Johnson, NSWC Crane
- 10:30a.m. Transportable Flashing Furnace (TFF) Demonstration,**
Mr. Ralph Hayes, El Dorado Engineering Inc.
- 10:55a.m. Manufacturing Blasting Agent from Gun Propellants Update,** Mr. Kevin Hansen, TPL Inc.
- 11:20a.m. Overview of the Robotic ADAM Projectile Download Workcell for the Munitions Cryofracture Demilitarization Facility and of a Robotic MLRS Warhead Download Workcell,** Mr. Walter Wapman, Sandia National Laboratories
- 11:45a.m. Lunch**

Session VI-B Sagamore Ballroom 6

Session Chair, Mr. Gary Mescavage, ARDEC

- 1:20p.m. Cryofracture Demilitarization Program,** Mr. John Follin, General Atomics/Ms. Florence Elie, ARDEC
- 1:45p.m. The Cryofracture Demilitarization Process : An Evolving Technology,** Mr. John Follin, General Atomics
- 2:10p.m. Testing and Optimization of a Mobile Plasma Treatment System (MPTS),** Mr. Francis Sullivan, US Army ARDEC
- 2:35p.m. Development of a Plasma Ordnance Demilitarization System for Pyrotechnic Ordnance,** Mr. Daniel Flynn, US Army ARDEC
- 3:00p.m. Break**

Thursday, May 4, 2006

Final Concurrent Sessions

Session VII-A Sagamore Ballroom 5

Session Chair, Mr. Josh Geary, NSWC Crane

- 3:30p.m. Requalification of Recovered HMX in DoD and DOE formulations**, Dr. Randy Johnson, TPL, Inc. and Dr. Kerry Clark, NSWC
- 3:55p.m. Operational Experience in Photocatalysis: Treatment of Pink Water, Nitroglycerine & Chemical Warfare Agents using The Photo-Cat® Process**, Mr. Brian Butters, Purifics ES Inc.
- 4:20p.m. Photocatalytic Destruction of Non-Stockpile Chemical Material Rinsate Solutions**, Mr. Tony Powell, Purifics ES Inc.
- 4:45p.m. MIDAS Technology Trees**, Mr. Chris DiLorenzo, Defense Ammunition Center

Continued Concurrent Sessions

Joint Session

5:10p.m. Tour Information, Mr. John Landgraf

5:20p.m. Closing Session, Mr. James Q. Wheeler

5:30 Symposium Adjourns

Thursday, May 4, 2006

Final Concurrent Sessions

Session VII-B Sagamore 6
Session Chair, Dr. Keith Clift, DAC

3:30p.m. Missile Recycling Center, Mr. Jeff Wright, US
Army Aviation and Missile Research Development
and Engineering Center

**3:55p.m. Controlled Detonation “DAVINCH” for
Chemical Weapon Destruction: A Further
Report on Kanda Port Old Chemical Weapons
Project in Japan**, Mr. Joseph Asahina, Kobe Steel

**4:20p.m. Actual Application of the 2005 U.S. Army
Regulation on Chemical Agents to DAVINCH**,
Mr. Ryusuke Kitamura, Kobe Steel

**4:45p.m. Arsenic treatment and its Behavior of the DA and
DC Destruction Process Through DA VINCH
Detonation Process**,
Mr. Tsuyoshi Imakita, Kobe Steel

Joint Session

5:10p.m. Tour Information, Mr. John Landgraf

5:20p.m. Closing Session, Mr. James Q. Wheeler

5:30 Symposium Adjourns

EXHIBITORS & BOOTH NUMBERS

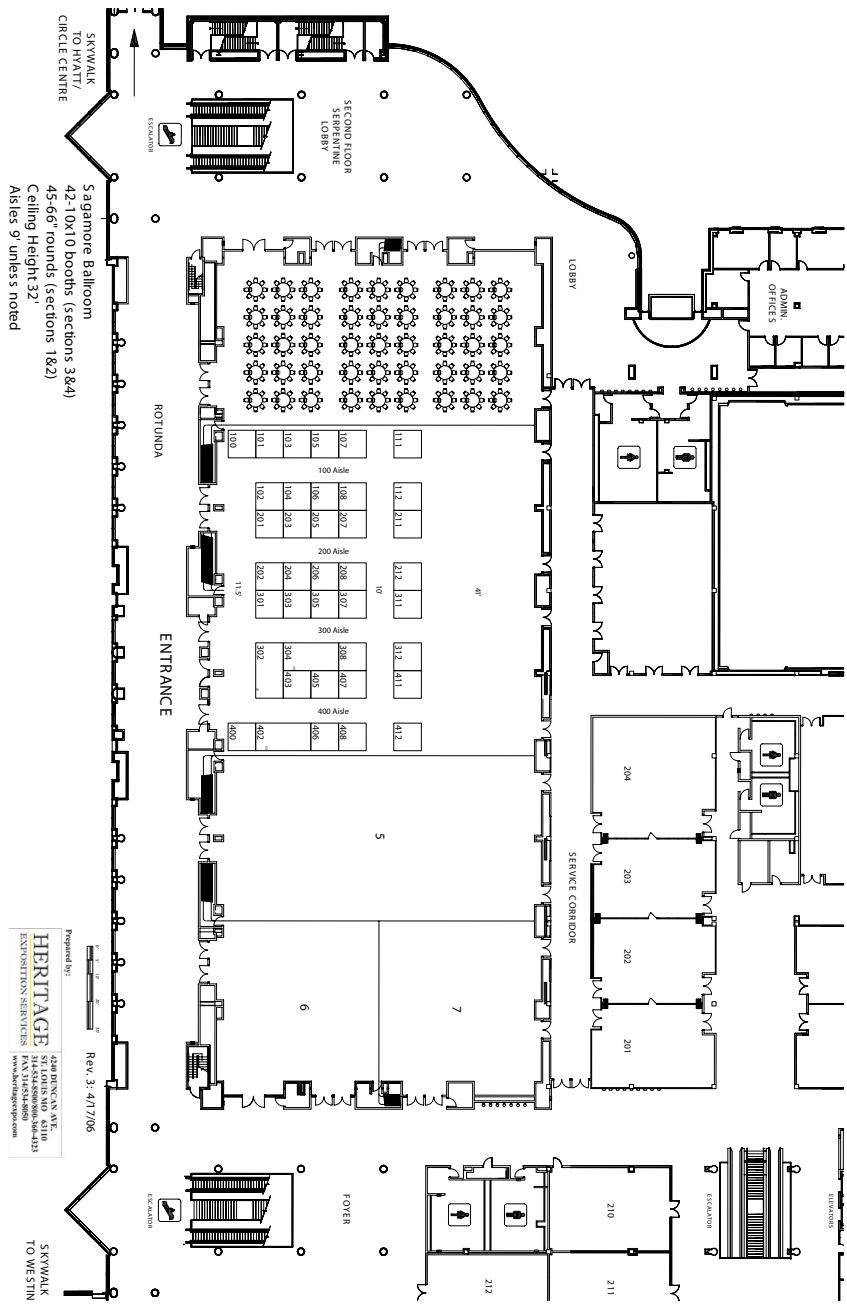
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EXHIBIT FLOOR PLAN

2006 Global Demilitarization Symposium & Exhibition

May 1-4, 2006

Indiana Convention Center
Indianapolis, Indiana



Sagamore Ballroom
42-10x10 booths (Sections 3&4)
Ceiling Height 32
Aisles 9' unless noted

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