



Demil Intent and Capabilities

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Demil Focus

- **Technology Sharing/Problem Solving as a group was main purpose**
- **Working Groups were set up to discuss specific issues**
 - **IHCs/SPIs, Tritonal from 750# Bombs, 3X/5X designation, and funding levels, etc.**
 - **Presentations were given for current and future demil technologies**
 - **Discussions/status were provided for Commercial Demil Contracts**

Demil Situation

- Demil became big workload
- Demil technologies was shared between installations
- APE designed equipment from our WADF equipment
- By sharing technology, installations were able to facilitize for demil without “reinventing the wheel”

Demil Intent

- Benefits of sharing
 - Problem Solving
 - Reduce incidents/accidents
 - Will not have to reinvent the wheel
 - Reduce demil stockpile in storage
 - Save the government/tax payers money

Demil Today

- Installations are fighting for survival
 - This eliminates information sharing
- Demil stockpile is growing
- Costs to demil are increasing
- Storage is at max capacity
- Point - we have over 25% of the demil stockpile

Demil Future

- Our main goal is to support the warfighter
- To do this, we have to work together as a team
- If I can help you find ways to do things easier and safer – call and let's talk
- This in turn will ensure that we are doing the “right thing right”

Demil at Hawthorne

- Demil Capabilities
 - The following slides shows our demil processes both current and future
 - We are very fortunate to have the WADF and the other new technologies coming our way

HWAD's Demil Capabilities

- **Autoclave
Meltout and
Steamout**



- **High Pressure
Washout**



HWAD's Demil Capabilities (Continued)

- **Saws**



- **Water Jet Cutting System**



HWAD's Demil Capabilities (Continued)

- **Flashing Furnace**



- **Hot Gas Decontamination**



HWAD's Demil Capabilities

- **Range Scrap Processing Facility**
 - **Inspect**
 - **Decontaminate**
 - **Shred**
 - **Shear**
 - **Bale**
 - **Torch**
 - **Analyze Metals**



Services and Support Capabilities

- **Chemical Laboratory**



- **Water Treatment Facility**



- **Property Reutilization
Yard**



Future Capabilities

- **Plasma Ordnance Demilitarization System (PODS)**
 - **Designed to process items like:**
 - **Pyrotechnics**
 - **Smokes**
 - **Dyes**
 - **Heavy Metals**
 - **Riot Control Agents Incendiary Items**
 - **CADs and PADs**
 - **Projected to be operational in 2007**



Future Capabilities (continued)

- **Rotary Furnace**
 - **Designed to process items like:**
 - **Small Arms Ammunition up to 20MM rounds**
 - **Primers and Fuzes**
 - **Boosters**
 - **CADS and PADS**

- **Projected to be operational in 2007**



Future Capabilities (continued)

- **Bulk Energetics Demilitarization System (BEDS)**
 - **Designed to process items like:**
 - **All types of propellant including unstable**
 - **High Explosives**
 - **Ammonium Picrate (Explosive D)**
 - **Projected to be operational in 2007**



Future Capabilities (continued)

- **Blasting Agent Manufacturing Facility**
 - **Designed to process stable propellant derived from demil and renovation projects. This includes:**
 - **Bulk Propellant**
 - **Propellant Charges**
 - **Mortar Propellant**
 - **Projected to be operational in 2008**

Future Capabilities (continued)

- **Cluster Bomb Unit (CBU) Download Facility**
 - **Designed to demil CBUs safely**
 - **Projected to be operational in 2008**



Summary

HWAD and DZHC have been in the demil business for over 26 years processing over 140,000 tons of munitions, generating over 26 million pounds of explosives and 98 million pounds of metals using our current technologies.

We continue to actively pursue environmentally friendly solutions for ammunition disposal to increase HWADs capabilities and provide maximum military value for future generations.