2015 – The Transition to Operations: An ACWA Progress Report
21-23 July 2015

Presented to:
NDIA Annual CBRN Defense Conference and Exhibition

Presented by:
Conrad F. Whyne
Program Executive Officer
Greetings from ACWA

Today’s Agenda:

- Video: *U.S. Chemical Weapons Destruction: Progress in Motion*
- ACWA Program Overview and Schedule
- Retaining Chemical Demilitarization Experience
- Current Status
- Moving Forward

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Leadership Additions Ensure Long-Term Success

Mr. Don Barclay, Deputy Program Executive Officer

Mr. Joe Novad, Technical Director

News

ACWA Leadership Team Grows: New Deputy Joins, Technical Director Position Added

Posted on February 25, 2013

Staffing changes at the Program Executive Office, Assembled Chemical Weapons Alternatives (PEO ACWA) headquarters are increasing depth of experience as the organization continues to prepare for chemical weapons stockpile destruction near Pueblo, Colorado and Richmond, Kentucky.

Don Barclay, who most recently served as U.S. Army Chemical Materials Activity director, has joined the team full time as deputy program executive officer (PEO). Barclay was previously the site project manager at the Umatilla Chemical Agent Disposal Facility in Oregon and was also responsible for U.S. Army support to PEO ACWA.

Joe Novad, who previously served as deputy PEO, will assume a new role as the ACWA technical director, with primary responsibilities in the areas of risk management and systems engineering.

"These actions permit Don to devote his attention to getting the ACWA plants operating, something with which he has plenty of experience," said PEO Conrad F. Whyne. "Joe’s role as technical director retains the critical ACWA institutional memory and allows him to be that set of vigilant eyes the program needs to manage the constantly evolving technical risks and opportunities."

Whyne said he remains focused on the success of the program, and the senior staff changes help align the organization with that goal.
Pueblo Chemical Agent-Destruction Pilot Plant Current Status

**Destruction Technology:** Neutralization/Biotreatment

**Pilot Plant Construction Status:** 100% Complete

**Explosive Destruction System Operations Began:** March 2015

**Pilot Plant Operations Begin:** 2016

**Pilot Plant Systemization Status:** 85% Complete

**Anticipated End of Destruction Operations:** 2019

As of June 2015
# Pueblo Chemical Weapons Inventory

<table>
<thead>
<tr>
<th>Munition</th>
<th>Agent Type</th>
<th>Destroyed As of 30 June 2015</th>
<th>Total (0.51 U.S. tons)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.2-inch Mortar</td>
<td>HD</td>
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<td></td>
</tr>
<tr>
<td>4.2-inch Mortar</td>
<td>HT</td>
<td>21</td>
<td></td>
</tr>
<tr>
<td>105mm Projectile</td>
<td>HD</td>
<td>234</td>
<td></td>
</tr>
<tr>
<td>155mm Projectile</td>
<td>HD</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>DOT Bottles*</td>
<td>H/HD/HT</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>265</strong></td>
<td><strong>(0.51 U.S. tons)</strong></td>
</tr>
</tbody>
</table>

*Department of Transportation Bottles are not included in the original declaration quantities, since they contain samples/waste from declared stockpile.
Blue Grass Chemical Agent-Destruction Pilot Plant Current Status

Destruction Technology:
Neutralization/Supercritical Water Oxidation

Pilot Plant Construction Status: 96% Complete

Pilot Plant Systemization Status: 31% Complete

Static Detonation Chamber Operations Begin: 2017

Pilot Plant Operations Begin: 2020

Anticipated End of Destruction Operations: 2023

As of June 2015
# Blue Grass Chemical Weapons Inventory

<table>
<thead>
<tr>
<th>Munition</th>
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</tr>
</thead>
<tbody>
<tr>
<td>M55/M56 Rocket</td>
<td>GB</td>
</tr>
<tr>
<td>M55/M56 Rocket</td>
<td>VX</td>
</tr>
<tr>
<td>8-inch Projectile</td>
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<td>H</td>
</tr>
</tbody>
</table>

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Anniston’s Static Detonation Chamber (SDC) will:

- Be used to train Blue Grass Chemical Agent-Destruction Pilot Plant’s Static Detonation Chamber personnel

- Dispose of Pueblo Chemical Agent-Destruction Pilot Plant uncontaminated energetics
A Partnership for Safe Chemical Weapons Destruction

Moving Forward

Blue Grass Chemical Agent-Destruction Pilot Plant construction complete

Start of main plant operations at Pueblo Chemical Agent-Destruction Pilot Plant

Start of Static Detonation Chamber operations at Blue Grass Chemical Agent-Destruction Pilot Plant