



U.S. Army Element, Assembled
Chemical Weapons Alternatives

Explosive Destruction Technology at Pueblo Chemical Depot Public Meeting

27 April 2010

Olde Towne Carriage House, 102 S. Victoria Ave., Pueblo, CO

4:00 p.m.	Welcome/Introductions/Agenda Review	Kristi Parker Celico <i>Facilitator</i>
4:10 p.m.	Background on the Explosive Destruction Technology Assessment	Kevin Flamm <i>Program Manager, ACWA</i>
4:30 p.m.	Colorado Chemical Demilitarization Citizens' Advisory Commission Update	Irene Kornelly and Terry Hart <i>Chair and Co-Chair</i>
4:45 p.m.	National Environmental Policy Act/ Environmental Assessment Discussion	All
5:15 p.m.	Alternatives Discussion	All
5:50 p.m.	Wrap up/Next Steps	Kristi Parker Celico <i>Facilitator</i>
6:00 p.m.	Adjourn	All
6:00 p.m.-?	Continued discussions for interested parties	All



Background on the Explosive Destruction Technology Assessment

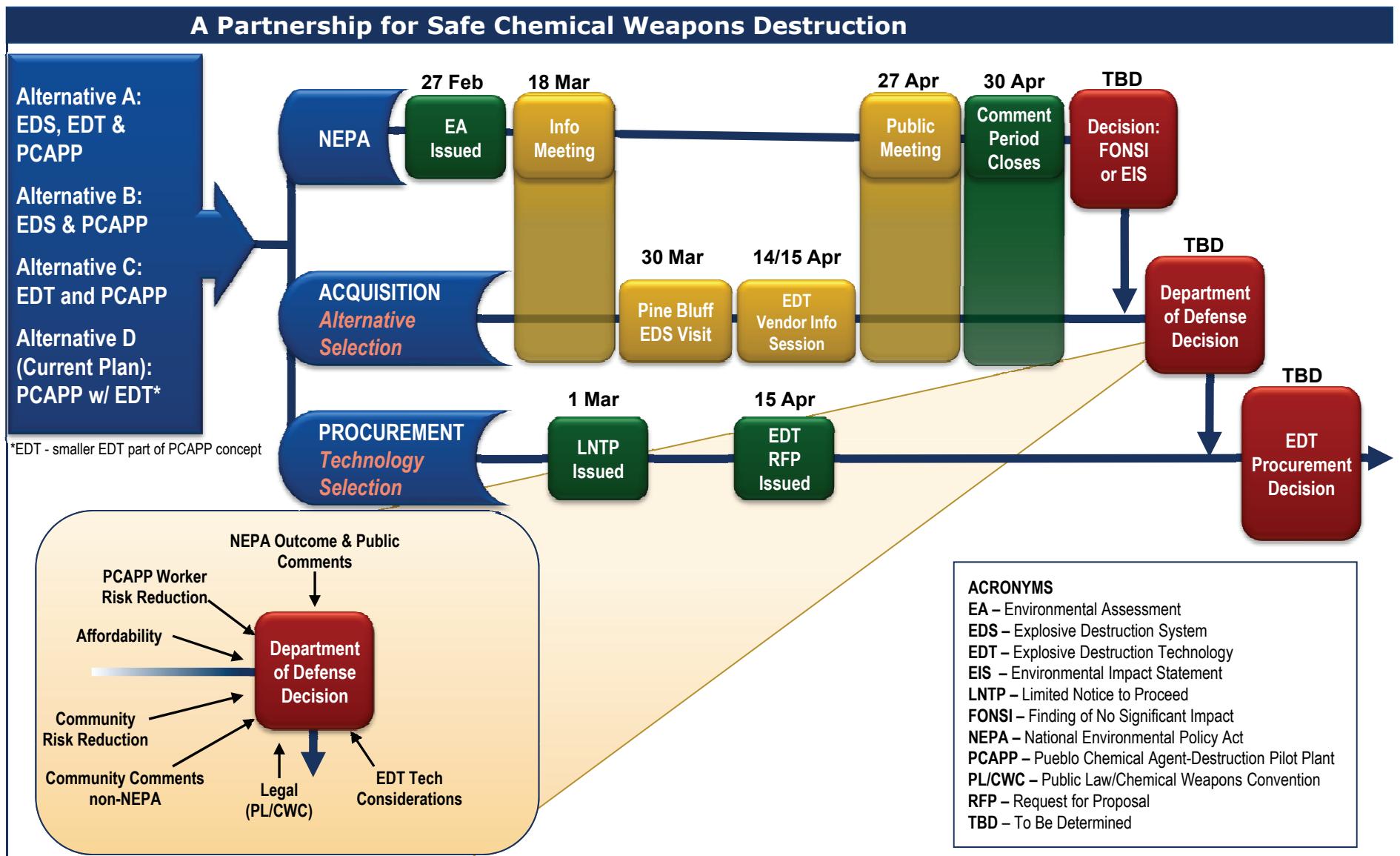


A Partnership for Safe Chemical Weapons Destruction

- On Oct 1, 2009, the Office of the Secretary of Defense requested that the ACWA Program manager study options for maintaining continuity of destruction operations between Chemical Materials Agency (CMA) completion and ACWA start-up, consistent with ongoing efforts to accelerate destruction operations while maintaining the program's exemplary safety record.
 - Allow for continuous chemical weapons destruction between the end of Chemical Materials Agency operations and the beginning of PCAPP operations
 - Increase the confidence PCAPP will meet the 2017 deadline
 - Safe (workers, public, and the environment)
 - Feasible (mature technology proven to be effective)
 - No impact to PCAPP progress (current construction and start-up activities)
 - Cost effective (have potential for favorable return on investment)

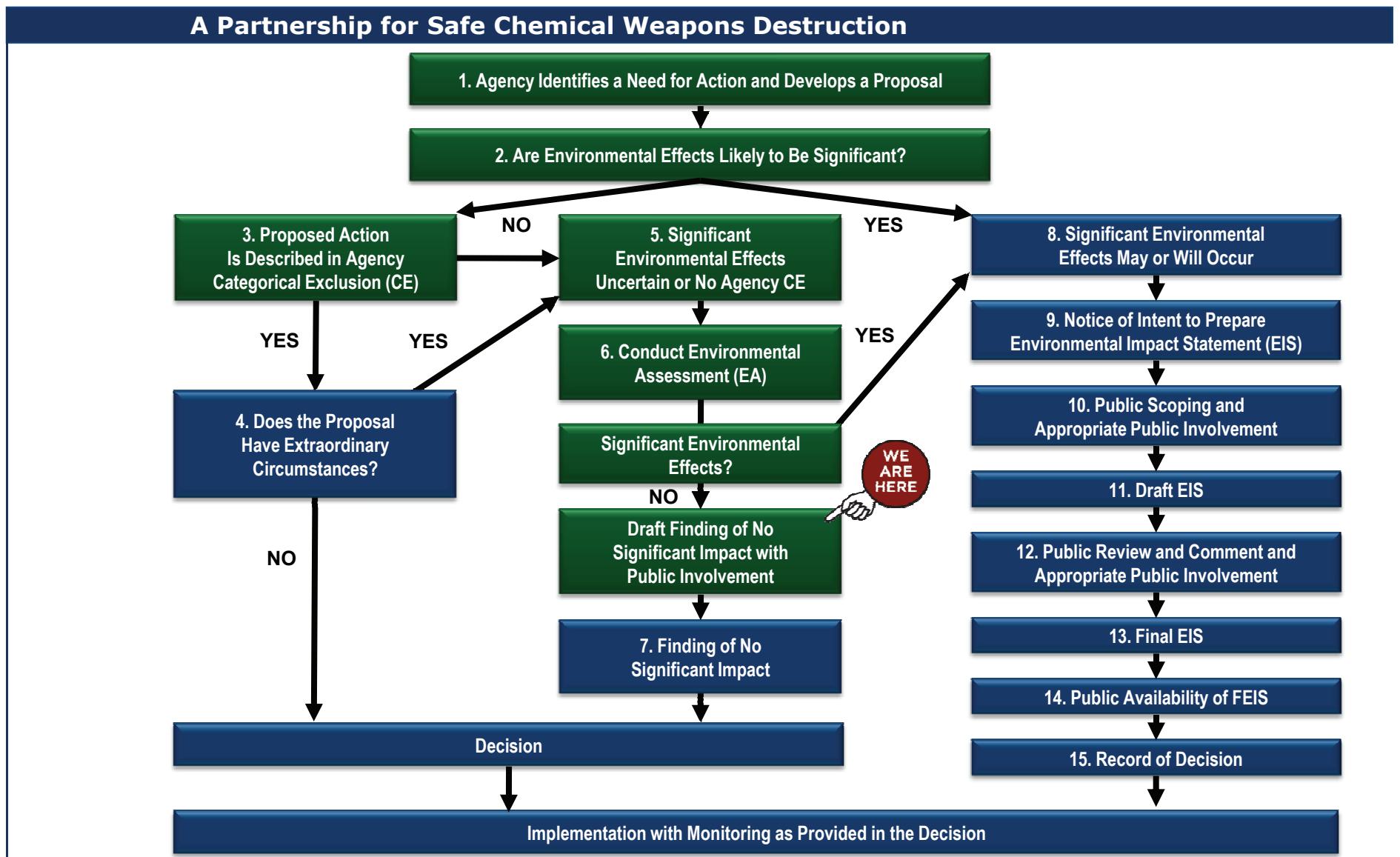


Process & Opportunities for Public Comment or Involvement





The National Environmental Policy Act (NEPA) Process





Areas Assessed for Potential Impacts



A Partnership for Safe Chemical Weapons Destruction

- Land Use
- Air Quality
- Water, Ecological, and Energy Resources
- Cultural/Archaeological/Historic Resources
- Waste Management Issues
- Human Health and Safety
- Noise
- Socioeconomic Resources
- Minority and Low-Income Populations/Environmental Justice



Public Comments



A Partnership for Safe Chemical Weapons Destruction

- Submit comments on draft Finding of No Significant Impact to ACWA through **April 30**
 - **In person:** place your completed comment form in the box on the information table
 - **Online submission form:**
http://www.pmacwa.army.mil/info/EA-FNSI_form.html
 - **E-mail:** ACWAHQ.environmental@conus.army.mil
 - **Mail or FAX:**
USAE ACWA
5183 Blackhawk Road
ATTN: AMSAW-RM
Aberdeen Proving Ground, MD 21010-5424
FAX: 410-436-1992

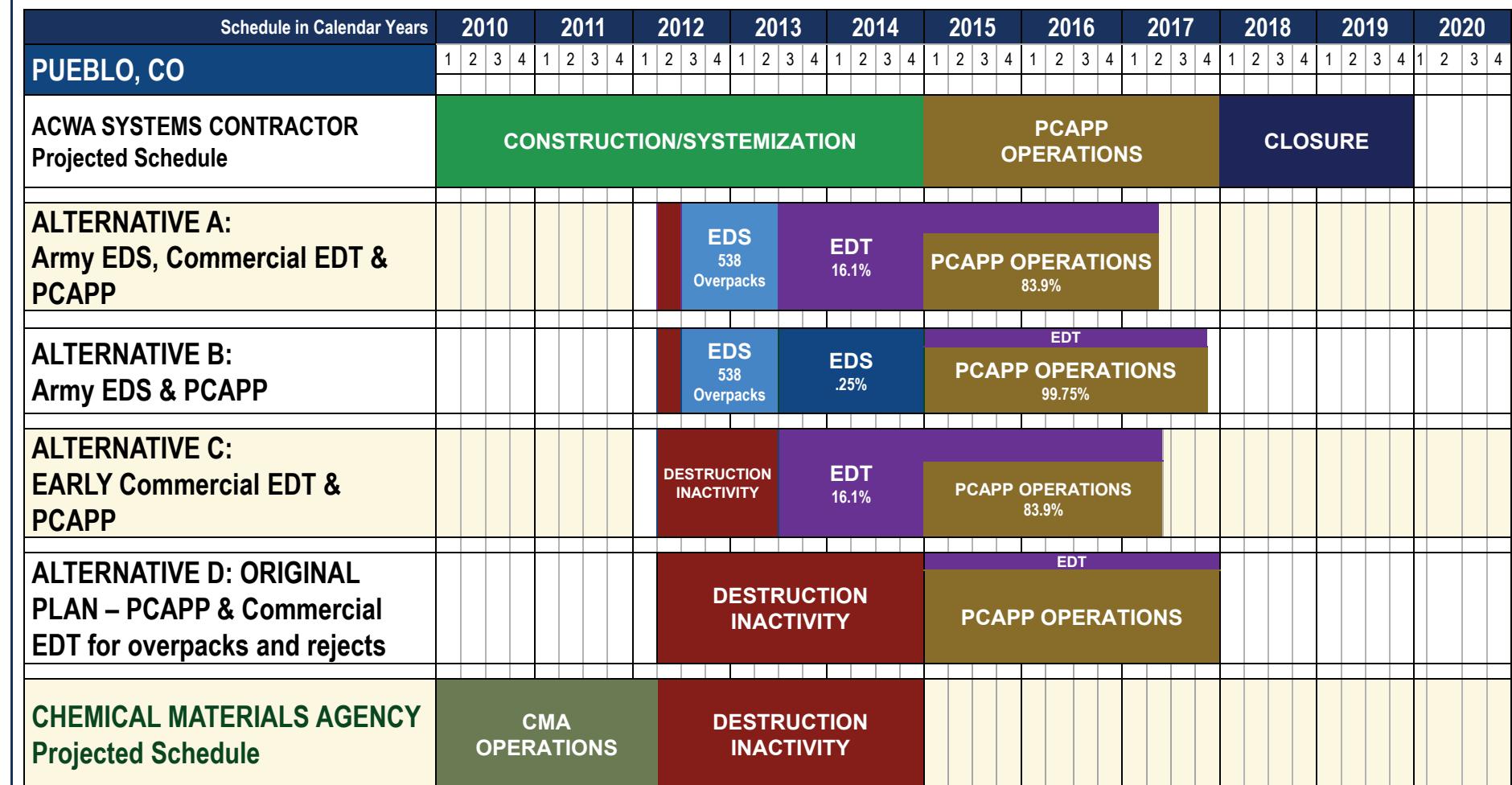


U.S. Army Element Assembled
Chemical Weapons Alternatives

Destruction Continuity Alternatives



A Partnership for Safe Chemical Weapons Destruction



DESTRUCTION INACTIVITY

* NOTE: January 2015 projected start of PCAPP operations reflects Systems Contractor current estimate.



Technical Assessment of Alternatives



A Partnership for Safe Chemical Weapons Destruction

Metric	EA Preferred Alternative Alternative A Army EDS/Commercial EDT	Alternative B Army EDS	Alternative C Commercial EDT	Alternative D Status Quo
Destruction Operations During Projected Period of Program Inactivity	Nearly Comprehensive	Nearly Comprehensive	18 Months w/ No Destruction	-None - 36 Months w/ No Destruction
PCAPP Schedule/Community Risk Impact	8 month decrease	0-1 month decrease	8 month decrease	Unchanged
Worker Risk Reduction	Overpacked, Rejects 4.2 mortar & 105mm cart	Overpacked, Rejects & palletized 105mm	Overpacked, Rejects 4.2 mortar & 105mm cart	Overpacked & Rejects
Number of Munitions Projected to be Destroyed During Projected Period of Program Inactivity	~24,000 munitions	540-2,500 munitions	~23,000 munitions	0 munitions
Total Number of Munitions Potentially Destroyed Using EDT	~125,000 during <5 years	~1,000 -3,000 during >5 years	~125,000 during <4 years	~1,000 during 3 years
Life Cycle Cost Impact	Modest Increase	Modest Increase	Neutral	Unchanged



U.S. Army Element Assimilated Chemical Weapons Alternatives

Community Feedback on Alternatives



A Partnership for Safe Chemical Weapons Destruction



U S Army Element Assembled
Chemical Weapons Alternatives



A Partnership for Safe Chemical Weapons Destruction

BACK UP SLIDE



Explosive Destruction Technologies Considerations



A Partnership for Safe Chemical Weapons Destruction

- Does it increase confidence in meeting the 2017 Congressional mandate?
- Does it support acceleration of chemical weapons destruction?
- What are the cost impacts?
- Why should the U.S. taxpayer consider this important?
- What is the return on investment to the U.S. taxpayer?
- What would be the impact on the main destruction plant project?
- How will it be deployed and operated?
- How quickly could it be deployed?
- How would the technology be permitted and what is its permitting history?
- What process does the technology use to destroy the chemical agent?
- Has the technology been approved by the Department of Defense Explosives Safety Board?
- How will secondary wastes be handled?
- Are there known stakeholder issues associated with the technology?
- Could use of the technology decrease worker risk associated with handling problematic munitions?
- What would the impacts be on staffing?