

**FISCAL YEAR (FY) 2012
BUDGET ESTIMATES**

February 2011



CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

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**FISCAL YEAR (FY) 2012 BUDGET ESTIMATES
CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE**

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CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE

APPROPRIATION LANGUAGE

Fiscal Year 2012

For expenses, not otherwise provided for, necessary for the destruction of the United States stockpile of lethal chemical agents and munitions in accordance with the provisions of Section 1412 of the Department of Defense Authorization Act, 1986 (50 U.S.C. 1521), and for the destruction of other chemical warfare materials that are not in the chemical weapon stockpile, \$1,554,422,000 to become available on October 1, 2011, of which:

- (1) \$1,147,691,000 shall be for operation and maintenance, of which \$71,211,000 shall be for the Chemical Stockpile Emergency Preparedness Program, consisting of \$19,211,000 to remain available until September 30, 2012, for activities on military installations and \$52,000,000 to remain available until September 30, 2013, to assist state and local governments;
- (2) \$406,731,000 to remain available until September 30, 2013, shall be for research, development, test and evaluation, of which \$401,768,000 shall be only for the Assembled Chemical Weapons Alternatives (ACWA) Program.

**JUSTIFICATION OF FY 2012 BUDGET ESTIMATE SUBMISSION
CHEMICAL AGENTS AND MUNITIONS DESTRUCTION, DEFENSE**

APPROPRIATION JUSTIFICATION

	(In Thousands of Dollars)
FY 2012 Estimate	\$1,554,422
FY 2011 Budget	\$1,467,307
FY 2011 CR Adjustment	\$93,453
FY 2010 Actual	\$1,560,760

Part I - Purpose and Scope

The Chemical Demilitarization Program is a national program of high significance to the Army, the Departments of Defense and State, the Administration, the Congress, and the world. This is a congressionally mandated program. The objective of the Chemical Demilitarization Program is to destroy the U.S. inventory of lethal chemical agents and munitions and related (non-stockpile) materiel, thus avoiding future risks and costs associated with its continued storage. The Chemical Demilitarization Program supports the international initiatives to rid the world of chemical weapons, as outlined in the Chemical Weapons Convention (CWC).

The Chemical Demilitarization Program is this nation's response to the mandate of public law and commitments under the CWC. As of January 12, 2011, the program has destroyed over 83% of the U.S. stockpile of chemical weapons since entry-into-force of the CWC. All CWC treaty milestones have been met to date, including destruction of former production facilities in December 2006 and the CWC 45% destruction milestone in June 2007. The program has developed annual destruction goals to guide its progress toward destroying the entire U.S. chemical weapons stockpile as close as practical to the CWC 100% destruction deadline of April 2012.

The Chemical Demilitarization Program is based on Section 1412 of the National Defense Authorization Act for Fiscal Year 1986 (Public Law 99-145) which directs the Department of Defense to destroy the complete unitary chemical stockpile by September 30, 1994 or the date established by a U.S. ratified treaty banning the possession of chemical agents and munitions. Public Law 99-145 was subsequently amended by the National Defense Authorization

Act for Fiscal Year 1989 (Public Law 100-456), the National Defense Authorization Act for Fiscal Year 1992 (Public Law 102-190), and the National Defense Authorization Act for Fiscal Year 1993 (Public Law 102-484), which extended program completion to April 30, 1997; July 31, 1999; and December 31, 2004, respectively. In 2008, Public Laws 110-116 and 110-181 mandated that the U.S. chemical weapons stockpile must be destroyed by the deadline established by the CWC and under no circumstances later than December 31, 2017.

The United States ratified the CWC on April 25, 1997. The CWC is an international treaty banning development, production, stockpiling and use of chemical weapons. The CWC requires each ratifying country possessing chemical weapons to destroy them in an environmentally safe manner. It specifically forbids the disposal of chemical weapons by open pit burning, land burial, or dumping in any body of water. Under the treaty, chemical weapons were to be destroyed by April 29, 2007, with a possible one-time extension until April 29, 2012. The Secretary of Defense notified Congress on April 10, 2006 that the U.S. would request an extension of the destruction deadline to April 29, 2012. The notification also stated that the U.S. would not achieve that milestone based on the current schedules, but that the Department of Defense would continue requesting resources needed to complete destruction as close to the 2012 deadline as practicable. A formal request for the extension was presented to the Organization for the Prohibition of Chemical Weapons (OPCW) and approved in December 2006. All nations that are party to the CWC must comply with international law and are subject to a stringent inspection regime conducted by an international agency, the Organization for the Prohibition of Chemical Weapons. The Department's policy is to safely and efficiently destroy the U.S. lethal chemical stockpile as soon as possible.

The Chemical Demilitarization Program consists of two Acquisition Category 1D Major Defense Acquisition Programs (MDAP) - Chemical Demilitarization-Chemical Materials Agency (CMA) and Chemical Demilitarization-Assembled Chemical Weapons Alternatives (ACWA). The Defense Acquisition Executive is the milestone decision authority. The Army is the executive agent for the CMA MDAP which includes the Chemical Stockpile Elimination (CSE) Project, Chemical Stockpile Emergency Preparedness Project (CSEPP), and Non-Stockpile Chemical Materiel Project (NSCMP). The Director of the CMA has been delegated authority for executing the CMA MDAP. The Office of the Secretary of Defense (OSD) has direct oversight and management of the ACWA Program, which is responsible for neutralization facilities in Colorado and Kentucky.

The Chemical Stockpile Elimination (CSE) Project: The Project Manager (PM) for CSE is responsible for the safe and environmentally sound destruction of the United States unitary chemical stockpiles originally located at one site outside the continental United States (OCONUS), six continental United States (CONUS) sites, and the Chemical Agent Munitions Destruction System (CAMDS) located in Tooele, Utah. To accomplish this mission, the PM plans, budgets, executes, measures performance and coordinates all phases of the Chemical Stockpile Elimination Project. The PM is responsible for the life cycle cost estimates of all seven stockpile disposal sites which include design, construction, equipment acquisition and installation, systemization, operations, closure phases, and contract closeout. The PM is responsible for the maximum safety of the people and the environment during the efficient operation and closure of the seven plants. The PM is accountable in terms of cost, schedule and performance of these plants. The PM also ensures that physical security, safety, and environmental requirements associated with the project are identified, are in compliance with all Department of Defense and Department of the Army directives and Federal, State, and local laws, and are integrated into the entire technical effort.

The Johnston Atoll incineration facility (JACADS) has completed destruction of its stockpile, facility closure, and the close out of its operating permit with EPA Region IX. The Aberdeen, Maryland neutralization facility has completed destruction of its stockpile, facility closure, and the close out of its operating permit from the State of Maryland. The Newport, Indiana disposal facility has completed destruction of its stockpile, facility closure, and the close out of its operating permit from the state of Indiana. The Pine Bluff, Arkansas facility completed destruction of its stockpile in FY 2011 and will be in facility closure during FY 2012. The remaining operational facilities in Utah, Alabama, and Oregon, utilizing baseline incineration technology to eliminate the chemical stockpile, are expected to complete destruction operations and begin closure operations in FY 2012.

The Chemical Stockpile Emergency Preparedness Project (CSEPP): The CSEPP is a complementary effort to the Chemical Stockpile Elimination Project to enhance protection of the civilian population during storage and destruction of the United States' chemical weapons stockpile. The U.S. Army and the Department of Homeland Security/Federal Emergency Management Agency (DHS/FEMA) provide emergency response/preparedness capabilities to the communities surrounding the five remaining storage sites (Alabama, Colorado, Kentucky, Oregon, and Utah), and jointly manage the CSEPP projects. CSEPP response operations at the Arkansas, Maryland

and Indiana locations have been terminated with completion of agent stockpile destruction. DHS/FEMA has total responsibility and accountability for working with State, Tribal, and local governments to enhance the required off-post emergency preparedness within established resources. The Army manages on-post emergency response/preparedness and provides technical support for both on-post and off-post emergency preparedness. An Integrated Process Team (IPT) concept is the primary management tool used by the Army, DHS/FEMA, State, Tribal, and local governments to address their concerns and meet Defense Acquisition Program requirements.

The Non-Stockpile Chemical Materiel Project (NSCMP): The Project Manager for NSCMP provides centralized technical expertise and project management of non-stockpile chemical materiel disposal in a safe, environmentally sound, and cost effective manner. The NSCMP includes four broad mission areas: binary chemical weapons, recovered chemical material/weapons, miscellaneous chemical warfare materiel, and destruction of the former U.S. chemical weapons production facilities.

Major NSCMP functions include: developing and implementing transportation, characterization, destruction equipment and procedures for non-stockpile chemical materiel; supporting ratified treaties; providing for the destruction of environmentally sensitive and contaminated materiel not covered by the CWC, but identified as part of the funded baseline; and developing and implementing schedule and cost estimates associated with these functions. Transportation support provided by NSCMP includes: planning and documentation required to move recovered chemical warfare material or research materiel to support an assessment, secure storage, destruction efforts, and research and development efforts. Transport of chemical materiel is done in accordance with 50 USC 1511-1521 and generally includes coordination with local, state, and federal officials. NSCMP coordinates transportation activities through the US Army 20th Support Command.

The Assembled Chemical Weapons Alternatives (ACWA) Program: The Omnibus Consolidated Appropriation Act for FY 1997 (Public Law 104-208) directed that the Under Secretary of Defense for Acquisition, Technology and Logistics (USD(AT&L)), conduct a program to identify and demonstrate not less than two alternatives to the baseline incineration process for the demilitarization of assembled chemical munitions. In 2002, Public Law 107-248 assigned the Program Manager (PM) ACWA the responsibility for the destruction of the chemical weapons stockpiles at the Pueblo Chemical Depot in Colorado and the Blue Grass Army Depot in

Kentucky. In May 2009, DoD submitted the Semi-Annual Report to Congress on progress toward destruction of the U.S. stockpile of lethal chemical agents and munitions. In that report, DoD's proposed plan is to seek additional resources to "accelerate the ACWA program schedule toward completing destruction of an additional eight percent of the U.S. stockpile at Pueblo in 2017 and the remaining two percent of the U.S. stockpile at Blue Grass in 2021".

Part II - Justification of Funds Required

The funds requested in this budget submission are required to carry out the Congressional mandate of Public Law 99-145 and support the commitments of this nation under the CWC. This document provides justification for FY 2012 financial requirements in support of the Chemical Demilitarization Program, which is budgeted in the Chemical Agents and Munitions Destruction, Defense appropriation. The following paragraphs provide a top level summary of the activities planned for FY 2012.

Chemical Stockpile Elimination (CSE) Project activities will include the following items: complete agent destruction operations at Tooele Chemical Agent Disposal Facility (TOCDF) in Utah, Anniston Chemical Agent Disposal Facility (ANCDF) in Alabama, and Umatilla Chemical Agent Disposal Facility (UMCDF) in Oregon; begin closure activities at the Tooele Chemical Agent Disposal Facility (TOCDF), Anniston Chemical Agent Disposal Facility (ANCDF), and Umatilla Chemical Disposal Facility (UMCDF); continue Closure activities at Pine Bluff Chemical Disposal Facility (PBCDF) in Arkansas; and complete closure activities at the Chemical Agent Munitions Disposal System (CAMDS) in Utah.

The Chemical Stockpile Emergency Preparedness (CSEPP) Project will continue to support chemical stockpile emergency preparedness activities on the chemical demilitarization facility depots and in the off-post communities surrounding those facilities where chemical stockpiles are stored and/or continue to be destroyed.

Non-Stockpile Chemical Materiel Project (NSCMP) activities will include the following items: complete modifications to the Pine Bluff Ton Container Decontamination Facility (PBTCDF) to treat the remaining ton containers and begin decontamination operations; and provide crew sustainment, training, emergency and planned response capability for the assessment and disposal of non-stockpile chemical materiel. In addition, NSCMP will maintain

an overarching research program for the evaluation and demonstration of process chemistries and emerging technologies for emergency response support.

The Assembled Chemical Weapons Alternatives (ACWA) program will complete construction activities, except those for an overpacked and reject munitions destruction capability, at Pueblo Chemical Depot, Colorado, and will continue construction activities at Blue Grass Army Depot, Kentucky. Acquisition and testing of first-of-a-kind and other process equipment will also continue for Blue Grass. Additionally, system turnover and prove-out activities will continue at the Pueblo Chemical Agent-Destruction Pilot Plant (PCAPP), and systemization planning will continue at the Blue Grass Agent-Destruction Pilot Plant (BGCAPP).

Part III - Milestones

Milestones for the Chemical Stockpile Elimination Project are as follows:
(The schedule milestones identified below are based on the PM's FY 10 Current Working Estimate (CWE)).

Tooele Chemical Agent Disposal Facility:

Process Mustard-filled munitions	August 2006 to 4th Qtr FY 2011
Design & Process GA/Lewisite munitions	July 2008 to 2nd Qtr FY 2012
Closure Activities	2nd Qtr FY 2012 to 2nd Qtr FY 2015

Anniston Chemical Agent Disposal Facility:

Process Mustard filled munitions	July 2009 to 2nd Qtr FY 2012
Closure Activities	2nd Qtr FY 2012 to 4th Qtr FY 2014

Umatilla Chemical Agent Disposal Facility:

Process Mustard filled ton containers	June 2009 to 2nd Qtr FY 2012
Closure Activities	2nd Qtr FY 2012 to 3rd Qtr FY 2015

Pine Bluff Chemical Agent Disposal Facility:

Process Mustard filled ton containers	December 2008 to November 2011
Closure Activities	December FY 2011 to 2nd Qtr FY 2013

Major Milestones for Chemical Stockpile Emergency Preparedness Project are as follows:

Cessation of response capabilities and initiation of closeout following the completion of demilitarization operations at:

Anniston Chemical Activity, Alabama	2nd Qtr FY 2012
Deseret Chemical Depot, Utah	2nd Qtr FY 2012
Umatilla Chemical Depot, Oregon	2nd Qtr FY 2012

Major Milestones for the Non-Stockpile Chemical Materiel Project are as follows:

Chemical Samples (CS):

Chemical Samples will be destroyed within CSE campaign schedules.

Recovered CWM (RCWM):

RCWM Operations at PBA (PBEDS) (includes closure)	June 2006 to July 2010
Continuing Emergency Response Activities	July 2009 to 4th Qtr FY 2022
Empty Ton Containers (TC):	
Operations (includes closure)	October 2007 to 3rd Qtr FY 2013

Major Milestones for Assembled Chemical Weapons Alternatives Program are as follows:

Pueblo Chemical Agent-Destruction Pilot Plant (PCAPP):

Stage 3 and Balance of Construction, Field Activities	January 2008 to FY 2012
- Agent Processing Building (APB) steelwork complete	December 2008
- Multipurpose Building construction complete	May 2009
- Enhanced Reconfiguration Building (ERB) steelwork complete	September 2009
- Prototype testing, Munitions Washout System (MWS) complete	
-- 155mm projectiles	August 2009
-- 105mm and 4.2inch projectiles/mortars	April 2010
- Complete construction, Control & Support Building	2nd Qtr FY 2011
- Complete construction, Laboratory	3rd Qtr FY 2011
- Complete construction, Biotreatment Area	1st Qtr FY 2012
- Complete construction, APB and ERB	3rd Qtr FY 2012
Systemization, award contract modification	December 2010
- Begin systemization, Biotreatment Reactors	1st Qtr FY 2012
- Begin systemization, Munitions Washout System	1st Qtr FY 2012
Systemization, Complete	4th Qtr FY15

Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP):

Design Completion, Government Acceptance	July 2010
Main Plant and Balance of Construction, Field Activities	March 2008 to FY 2016
-Complete placement of Munitions Demilitarization Building (MDB) Horizontal concrete	July 2010
-Initiate construction, MDB vertical wall	September 2009
-Complete prototype testing, Metal Parts Treater	November 2009
-Complete prototype testing, Energetics Batch Hydrolyzer	March 2010
-Install Agent and Energetic Neutralization Reactor Systems	2nd Qtr FY 2011
-Install Energetics Batch Hydrolyzer	1st Qtr FY 2012
-Complete Laboratory Building	2nd Qtr FY 2012

BUDGET ACTIVITY 1: Operations and Maintenance

(In Thousands of Dollars)

FY 2012 Estimate	\$1,147,691
FY 2011 Budget	\$1,067,364
FY 2010 Actual	\$1,081,802

Purpose and Scope

This budget activity provides for the management, technical and operational support required for chemical demilitarization under the Chemical Stockpile Elimination (CSE) Project, and emergency response activities under the Chemical Stockpile Emergency Preparedness Project (CSEPP). It also provides for the support required for remediation of other chemical warfare materiel under the Non-Stockpile Chemical Materiel Project (NSCMP).

Justification of Funds Required

Funds requested in FY 2012 are necessary to maintain current operations. Operations financed by this budget activity in FY 2012 include: program management for the Chemical Material Agency (CMA) and Chemical Stockpile Elimination Project (CSE); program and integration support including public affairs, safety and quality assurance, program oversight, environmental and engineering services, JACADS requirements to support open workers compensation cases; facility closure activities at Chemical Agent Munitions Disposal System (CAMDS); continuation of training activities at the Chemical Demilitarization Training Facility (CDTF); completion of disposal operations at Tooele Chemical Agent Disposal Facility (TOCDF), Anniston Chemical Agent Disposal Facility (ANCDF), and Umatilla Chemical Agent Disposal Facility (UMCDF); begin closure activities at Tooele Chemical Agent Disposal Facility (TOCDF), Anniston Chemical Agent Disposal Facility (ANCDF), and Umatilla Chemical Agent Disposal Facility (UMCDF); and continue closure activities at Pine Bluff Chemical Agent Disposal Facility (PBCDF). In addition, the FY 2012 budget request supports emergency response capabilities at the State, Tribal, and local levels of government, and at the remaining five operational chemical stockpile storage installations (Alabama, Colorado, Kentucky, Oregon, and Utah). It also provides for Non-Stockpile Chemical Materiel requirements for program management; emergency and planned response capability; maintenance and logistics support for NSCMP mobile systems; continued decontamination of empty ton

BUDGET ACTIVITY 1: Operations and Maintenance

containers at PBA; and programmatic support activities which include program integration, engineering support, procurement support and knowledge and information management.

In addition, \$25 million of Funded Reimbursable Authority is needed to respond to requests by other government agencies and foreign countries for assistance in the storage, assessment and disposal of chemical weapons and agents.

BUDGET ACTIVITY 1: Operations and Maintenance

Funded Financial Summary (In Thousands of Dollars)			
O&M	FY 2010 Actual	FY 2011 Budget	FY 2012 Estimate
Director, CMA - Program Management	11,621	11,818	11,267
Director, CMA - Support Activities	8,384	10,316	11,007
PM CSE - Program Management	13,595	14,171	13,604
PM CSE - Support Activities	20,434	23,673	21,180
Chemical Agent Munitions Disposal System	26,106	23,175	9,494
Chemical Demilitarization Training Facility	4,221	5,429	3,475
Tooele Chemical Agent Disposal Facility	266,839	230,925	301,526
Anniston Chemical Agent Disposal Facility	163,641	177,222	173,681
Umatilla Chemical Agent Disposal Facility	209,224	184,113	224,806
Pine Bluff Chemical Agent Disposal Facility	178,574	214,195	210,855
Newport Chemical Agent Disposal Facility	5,490	5,050	
Subtotal CSE	888,124	877,953	958,619
CSEPP On-Post - Program Management	3,763	3,030	4,956
CSEPP On-Post - Mission	33,296	32,100	14,255
CSEPP Off-Post - Mission	49,934	76,048	52,000
Subtotal CSEPP	86,993	111,178	71,211
NSCMP - Program Management	5,016	5,638	7,416
Recovered Chemical Warfare Materiel (CWM)	50,735	24,379	60,162
Miscellaneous CWM	24,758	20,494	20,868
Programmatic Support Activities	6,171	5,589	7,141
Subtotal NSCMP - Mission	81,664	50,461	88,171
Subtotal NSCMP	86,680	56,100	95,587
Total Funded	1,081,802	1,067,364	1,147,691

BUDGET ACTIVITY 1: Operations and Maintenance

Justification by Program

Director, Chemical Materials Agency (CMA) - Program Management: This area provides for total management of the demilitarization and disposal of the U.S. chemical weapons stockpile and non-stockpile materiel. In addition, this activity provides the programmatic direction required by the two project managers who execute the program. The FY 2012 planned activities include labor, training, awards and overtime; base support; other support and contractual costs, such as travel, transportation, materials and supplies, equipment and rentals.

Director, Chemical Materials Agency (CMA) - Support Activities: This element will fund programmatic management integration activities by contractor and support activities and oversight and technical efforts by government performers or contractors, which will benefit the entire CMA elimination mission. The FY 2012 planned activities include safety and quality functions; program integration efforts such as acquisition program reporting, project monitoring, decision support, life-cycle-cost database support, and information management and support; system engineering support; material management, litigation support, facility management training program, JACADS open workers compensation cases, and contracting support from U.S. Army Materiel Command; and program oversight, studies and evaluations.

Project Manager for Chemical Stockpile Elimination (PM CSE) - Program Management: The Chemical Stockpile Elimination (CSE) activities to be funded include oversight of implementation and execution, as well as management of the design, development, and acquisition of equipment and facilities, on-site movement of chemical munitions and agents for disposal, demilitarization operations, disposal of waste products, post-operational cleanup activities, and plant closure. The FY 2012 planned activities include labor, awards and overtime; other support and contractual costs which include travel, transportation, materials and supplies, equipment and rentals; and for matrix support from U.S. Army Research Development & Engineering Command for labor.

Project Manager for Chemical Stockpile Elimination (PM CSE) - Support Activities: This element will fund programmatic technical and management integration activities by contractors. The FY 2012 planned activities include safety and quality functions; program integration efforts such as acquisition program reporting, project monitoring, decision support, life-cycle-cost database support, and information management and support; and public

BUDGET ACTIVITY 1: Operations and Maintenance

outreach offices and public affairs initiatives such as videos, newsletters, publicity and exhibits. The budget request also includes engineering services in support of design, modeling and simulation, agent monitoring, environmental support, and litigation support; National Environmental Policy Act documentation; contracting support from the U.S. Army Contracting Command and the U.S. Army Materiel Command; program oversight, studies, and evaluations; and demilitarization support.

Chemical Agent Munitions Disposal System (CAMDS): This prototype facility, located at Deseret Chemical Depot in Utah, supported the stockpile program with test and evaluation of chemical demilitarization processes including incineration and neutralization, secondary waste destruction and closure activities. The FY 2012 budget request supports closure requirements.

Chemical Demilitarization Training Facility (CDTF): This item includes funding required to continue operation of the CDTF located at Edgewood Area, Aberdeen Proving Ground, Maryland. The FY 2012 budget request includes funding the systems contract that supports labor and other non-labor items, base operations, and contracting and site support.

Tooele Chemical Agent Disposal Facility (TOCDF): The FY 2012 budget request will fund the systems contract that includes labor, waste disposal, mitigation fees, materials and supplies, equipment rental, spare parts and refractory; training; and other non-labor items. It will fund environmental support/fees and cooperative agreements; depot support/base operations; and contracting and site support. It will fund completion of operations schedule incentive.

Anniston Chemical Agent Disposal Facility (ANCDF): The FY 2012 budget request will fund the systems contract that includes labor, waste disposal, materials and supplies, equipment rental, spare parts and refractory; training; and other non-labor items. It will fund environmental support/fees and cooperative agreements; depot support/base operations; and contracting and site support.

Umatilla Chemical Agent Disposal Facility (UMCDF): The FY 2012 budget request will fund the systems contract that includes labor, waste disposal, materials and supplies, equipment rental, spare parts and refractory; training; and other non-labor items. It will fund environmental support/fees and cooperative agreements; depot support/base operations; and contracting and site support.

BUDGET ACTIVITY 1: Operations and Maintenance

Pine Bluff Chemical Agent Disposal Facility (PBCDF): The FY 2012 budget request will fund the systems contract closure clean up operations. This includes labor, waste disposal, materials and supplies, equipment rental, spare parts and refractory; training; and other non-labor items. It will fund depot environmental support/fees and cooperative agreements; depot support/base operations; and contracting and site support.

Chemical Stockpile Emergency Preparedness Project (CSEPP) On-Post Program Management: The FY 2012 budget requests include funding for labor, awards, overtime, program support and oversight, travel, training, office equipment, supplies and contractual services.

Chemical Stockpile Emergency Preparedness Project (CSEPP) On-Post Mission: The FY 2012 budget requests include funding for the following requirements: Emergency planner/response personnel for the five chemical stockpile storage installations; Army administration including base operations support, travel, and transportation; on-post training and annual joint exercises; Army public education and awareness projects; technical planning support; and operations and maintenance of on-post alert and notification systems, data automation systems, communications systems, Emergency Operation Centers, Joint Information Centers, and emergency response capabilities. This budget request also provides funding for Army managed technical support for sustaining both on-post and off-post emergency response capabilities.

Chemical Stockpile Emergency Preparedness Project (CSEPP) Off-post Mission: The FY 2012 budget requests includes funding for the following requirements: Emergency planner/response personnel for DHS/FEMA, State, Tribal, and local governments; DHS/FEMA, State, Tribal, and local administration including travel and transportation; off-post training, local exercises, and annual joint exercises; DHS/FEMA, State, Tribal, and local public outreach/education projects; and operations and maintenance of off-post alert and notification systems, automation systems, communications systems, emergency operations centers, Joint Information Centers, coordinated plans, medical support capabilities, and protective action capabilities including emergency response. In addition, this budget requests funding for Pueblo County, Colorado to construct an emergency operations center in support of CSEPP operations. This budget request also provides funding for DHS/FEMA managed technical support for off-post emergency response capabilities, decommissioning of off-post protective actions projects, and joint on-post/off-post exercises.

BUDGET ACTIVITY 1: Operations and Maintenance

Non-Stockpile Chemical Materiel Project (NSCMP):

Program Management: The FY 2012 budget request includes labor, awards and overtime; base support; other support and contractual costs which include travel, transportation, materials and supplies, training, equipment rentals; and matrix labor support from U.S. Army Research, Development and Engineering Command.

Recovered Chemical Warfare Materiel: The FY 2012 budget request provides full emergency response capability which consists of Mobile Munitions Assessment System (MMAS) and Explosive Destruction System (EDS) crew sustainment and training; deployment of mobile systems in response to emergency and planned recoveries; maintenance and logistics support for mobile systems; support to Combatant Commanders (OCONUS); new training requirements associated with emergency response (CONUS); and Planned Recovered Chemical Materiel (RCM).

Miscellaneous Chemical Warfare Materiel: The FY 2012 budget request consists of completing modifications to the PBTCDF to treat the remaining ton containers and begin decontamination operations.

Programmatic Support Activities: The FY 2012 budget request consists of project management activities such as: program integration; engineering support; procurement and contract evaluation support; knowledge and information management; programmatic training; and system test and evaluation support.

BUDGET ACTIVITY 1: Operations and Maintenance

**DEPARTMENT OF ARMY
Fiscal Year (FY) 2012
Budget Estimates
Operation and Maintenance
Chemical Agents and Munitions Destruction, Defense
Exhibit OP-5**

- I. Description of Operations Financed:** See FY 2012 Budget Estimates Justification Book, dated February 2011, Budget Activity 1, Operation and Maintenance, Justification of Funds Required.
- II. Narrative Description (Statement of Requirements and Mission):** See FY 2012 Budget Estimates Justification Book, February 2011, Appropriation Justification, Part I, Purpose and Scope.
- III. Financial Summary (\$ in Thousands):**
- A. Subactivity Breakout:** See FY 2012 Budget Estimates Justification Book, dated February 2011, Budget Activity 1, Operation and Maintenance, Funded Financial Summary.

BUDGET ACTIVITY 1: Operations and Maintenance

B. Reconciliation Summary

	Change FY 2010/2011	Change FY 2011/2012
Baseline Funding	1,081,802	1,067,364
Congressional Adjustments	N/A	N/A
Facts of Life Changes	0	0
Supplemental Request	0	0
Price Change	14,707	16,074
Functional Transfer	0	0
Program Changes	-29,145	64,253
Current Estimate	1,067,364	1,147,691

C. Reconciliation of Increases And Decreases

1. Appropriation: Chemical Agents and Munitions Destruction, Defense
 - a. **TOTAL FY 2010 ACTUAL** **\$1,081,802**
 - b. **TOTAL FY 2011 BUDGET** **\$1,067,364**
 - c. **TOTAL FY 2012 ESTIMATE** **\$1,147,691**

BUDGET ACTIVITY 1: Operations and Maintenance

2. Summary of Price and Program Changes (O&M \$ in Thousands):

	FY 2010 Actual	Price Growth	Program Growth	FY 2011 Budget
Director, CMA - Program Management	11,621	158	39	11,818
Director, CMA - Support Activities	8,384	114	1,818	10,316
PM CSE - Program Management	13,595	185	391	14,171
PM CSE - Support Activities	20,434	278	2,961	23,673
Chemical Agent Munitions Disposal System	26,106	355	(3,286)	23,175
Chemical Demilitarization Training Facility	4,221	57	1,151	5,429
Tooele Chemical Agent Disposal Facility	266,839	3,628	(39,542)	230,925
Anniston Chemical Agent Disposal Facility	163,641	2,225	11,356	177,222
Umatilla Chemical Agent Disposal Facility	209,224	2,844	(27,955)	184,113
Pine Bluff Chemical Agent Disposal Facility	178,574	2,428	33,193	214,195
Newport Chemical Agent Disposal Facility	5,490	75	(515)	5,050
Subtotal Chemical Stockpile Elimination	888,124	12,074	(22,245)	877,953
CSEPP On-Post - Program Management	3,763	51	(784)	3,030
CSEPP On-Post - Mission	33,296	453	(1,649)	32,100
CSEPP Off-Post - Mission	49,934	679	25,435	76,048
Subtotal CSEPP	86,993	1,183	23,002	111,178
NSCMP - Program Management	5,016	68	554	5,638
Recovered Chemical Warfare Materiel (CWM)	50,735	690	(27,046)	24,379
Miscellaneous CWM	24,758	337	(4,601)	20,494
NSCMP Programmatic Support Activities	6,171	84	(666)	5,589
Subtotal NSCMP - Mission	81,664	1,110	(32,313)	50,461
Subtotal NSCMP	86,680	1,178	(31,759)	56,100
Total Funded	1,081,802	14,707	(29,145)	1,067,364

BUDGET ACTIVITY 1: Operations and Maintenance

	FY 2011 Budget	Price Growth	Program Growth	FY 2012 Estimate
Director, CMA - Program Management	11,818	178	(729)	11,267
Director, CMA - Support Activities	10,316	155	536	11,007
PM CSE - Program Management	14,171	213	(780)	13,604
PM CSE - Support Activities	23,673	357	(2,850)	21,180
Chemical Agent Munitions Disposal System	23,175	349	(14,030)	9,494
Chemical Demilitarization Training Facility	5,429	82	(2,036)	3,475
Tooele Chemical Agent Disposal Facility	230,925	3,478	67,123	301,526
Anniston Chemical Agent Disposal Facility	177,222	2,669	(6,210)	173,681
Umatilla Chemical Agent Disposal Facility	184,113	2,773	37,920	224,806
Pine Bluff Chemical Agent Disposal Facility	214,195	3,226	(6,566)	210,855
Newport Chemical Agent Disposal Facility	5,050	76	(5,126)	-
Subtotal Chemical Stockpile Elimination	877,953	13,222	67,444	958,619
CSEPP On-Post - Program Management	3,030	46	1,880	4,956
CSEPP On-Post - Mission	32,100	483	(18,328)	14,255
CSEPP Off-Post - Mission	76,048	1,145	(25,193)	52,000
Subtotal CSEPP	111,178	1,674	(41,641)	71,211
NSCMP - Program Management	5,638	85	1,693	7,416
Recovered Chemical Warfare Materiel (CWM)	24,379	367	35,416	60,162
Miscellaneous CWM	20,494	309	66	20,868
NSCMP Programmatic Support Activities	5,589	84	1,468	7,141
Subtotal NSCMP - Mission	50,461	760	36,950	88,171
Subtotal NSCMP	56,100	845	38,642	95,587
Total Funded	1,067,364	16,074	64,253	1,147,691

BUDGET ACTIVITY 1: Operations and Maintenance

3. Price Growth from FY 2010: (rounded to 000, may not add to total)

Other Price Growth:		
(1) Director, CMA - Program Management		\$158
(2) Director, CMA - Support Activities		\$114
(3) PM CSE - Program Management		\$185
(4) PM CSE - Support Activities		\$278
(5) Chemical Agent Munitions Disposal System		\$355
(6) Chemical Demilitarization Training Facility		\$57
(7) Tooele Chemical Agent Disposal Facility		\$3,628
(8) Anniston Chemical Agent Disposal Facility		\$2,225
(9) Umatilla Chemical Agent Disposal Facility		\$2,844
(10) Pine Bluff Chemical Agent Disposal Facility		\$2,428
(11) Newport Chemical Agent Disposal Facility		\$75
(12) PM CSEPP On-Post - Program Management		\$51
(13) PM CSEPP On-Post - Mission		\$453
(14) PM CSEPP Off-Post - Mission		\$679
(15) PM NSCMP - Program Management		\$68
(16) PM NSCMP - Mission		\$1,110
Total Price Growth from FY 2010 to FY 2011		\$14,707

4. Program Increases from FY 2010: (rounded to 000, may not add to total)

a. Director, CMA - Program Management		\$39
FY 2010	\$11,621	
Base:		
Increase associated with updated estimating methodology for FY11.		

BUDGET ACTIVITY 1: Operations and Maintenance

<p>b. Director, CMA - Support Activities</p> <p style="padding-left: 40px;">FY 2010 \$8,384</p> <p style="padding-left: 40px;">Base:</p> <p>Increase associated with updated estimating methodology for FY11 and realignment of requirements from CMA Program Management.</p>	<p>\$1,818</p>
<p>c. PM CSE - Program Management</p> <p style="padding-left: 40px;">FY 2010 \$13,595</p> <p style="padding-left: 40px;">Base:</p> <p>Increase associated with updated estimating methodology for FY11.</p>	<p>\$391</p>
<p>d. PM CSE - Support Activities</p> <p style="padding-left: 40px;">FY 2010 \$20,434</p> <p style="padding-left: 40px;">Base:</p> <p>Increase associated with updated methodology in FY11 to calculate Program Management and Support Activities, and realignment of requirement for JACADS open workers compensation cases from a separately identified line item into Support Activities.</p>	<p>\$2,961</p>
<p>e. Chemical Demilitarization Training Facility</p> <p style="padding-left: 40px;">FY 2010 \$4,221</p> <p style="padding-left: 40px;">Base:</p> <p>Increase driven by training for Closure as PMCSE System Contractor nears end of Operations.</p>	<p>\$1,151</p>
<p>f. Anniston Chemical Agent Disposal Facility</p> <p style="padding-left: 40px;">FY 2010 \$163,641</p> <p style="padding-left: 40px;">Base:</p> <p>Increase associated with the execution of the Static Detonation Chamber campaign.</p>	<p>\$11,356</p>

BUDGET ACTIVITY 1: Operations and Maintenance

g. Pine Bluff Chemical Agent Disposal Facility	\$33,193
FY 2010	
Base: \$178,574	
Increase driven by payment of Completion of Operations schedule incentive.	
h. CSEPP Off-Post - Mission	\$25,435
FY 2010	
Base: \$49,934	
Increase is the result of a return to full funding in FY11.	
i. NSCMP - Program Management	\$554
FY 2010	
Base: \$5,016	
Increase due to filling open Internal Operating Budget positions.	
Total Program Increases	\$76,898

5. Program Decreases from FY 2010: (rounded to 000, may not add to total)

a. Chemical Agent Munitions Disposal System	-\$3,286
FY 2010	
Base: \$26,106	
Decrease due to revised scope associated with facility Closure.	

BUDGET ACTIVITY 1: Operations and Maintenance

b. Tooele Chemical Agent Disposal Facility		-\$39,542
FY 2010	\$266,839	
Base:		
Decrease driven by reduction in one time costs associated with the Explosive Detonation Chamber and adjustments for Life Cycle Contracts.		
c. Umatilla Chemical Agent Disposal Facility		-\$27,955
FY 2010	\$209,224	
Base:		
Incentive payment requested in FY 10 was not earned in FY 10. FY 10 funds redistributed to all four incineration sites to fund continuing operations into FY11.		
d. Newport Chemical Agent Disposal Facility		-\$515
FY 2010	\$5,490	
Base:		
Decrease is a result of estimating adjustments to match anticipated Systems contract closeout costs.		
e. CSEPP On-Post - Program Management		-\$784
FY 2010	\$3,763	
Base:		
Decrease due to reduction in other government agency support requirements.		
f. CSEPP On-Post - Mission		-\$1,649
FY 2010	\$33,296	
Base:		
Decrease is due to CSEPP operations ending at Pine Bluff in early FY 2011.		

BUDGET ACTIVITY 1: Operations and Maintenance

g. NSCMP - Recovered CWM		-\$27,046
FY 2010		
Base:	\$50,735	
Decrease partially due to completion of Pine Bluff Explosive Destruction System (PBEDS) mission in FY2010 and funding not required in FY11 to continue PBEDS operations.		
h. NSCMP - Miscellaneous CWM		-\$4,601
FY 2010		
Base:	\$24,758	
Decrease due to design efforts for Pine Bluff Ton Container Decontamination Facility conversion being completed.		
i. NSCMP Programmatic Support Activities		-\$666
FY 2010		
Base:	\$6,171	
Decrease in programmatic support associated with decrease in support to Recovered CWM.		
Total Program Decreases		-\$106,043

BUDGET ACTIVITY 1: Operations and Maintenance

6. Price Growth from FY11: (rounded to 000, may not add to total)

Other Price Growth:		
(1)	Director, CMA - Program Management	\$178
(2)	Director, CMA - Support Activities	\$155
(3)	PM CSE - Program Management	\$213
(4)	PM CSE - Support Activities	\$357
(5)	Chemical Agent Munitions Disposal System	\$349
(6)	Chemical Demilitarization Training Facility	\$82
(7)	Tooele Chemical Agent Disposal Facility	\$3,478
(8)	Anniston Chemical Agent Disposal Facility	\$2,669
(9)	Umatilla Chemical Agent Disposal Facility	\$2,773
(10)	Pine Bluff Chemical Agent Disposal Facility	\$3,226
(11)	Newport Chemical Agent Disposal Facility	\$76
(12)	PM CSEPP On-Post - Program Management	\$46
(13)	PM CSEPP On-Post - Mission	\$483
(14)	PM CSEPP Off-Post - Mission	\$1,145
(15)	PM NSCMP - Program Management	\$85
(16)	PM NSCMP - Mission	\$760
Total Price Growth from FY 2011 to FY 2012		\$16,074

7. Program Increases from FY 2011: (rounded to 000, may not add to total)

a. Director, CMA - Support Activities	\$536
FY 2011	
Base: \$10,316	
Increase driven by realignment of costs associated with JACADS open workers compensation cases.	

BUDGET ACTIVITY 1: Operations and Maintenance

b. Tooele Chemical Agent Disposal Facility	\$67,123
FY 2011	\$230,925
Base:	
Increase driven by payment of Completion of Operations schedule incentive should System Contractor achieve negotiated milestones.	
c. Umatilla Chemical Agent Disposal Facility	\$37,920
FY 2011	\$184,113
Base:	
Increase driven by payment of Completion of Operations schedule incentive should System Contractor achieve negotiated milestones.	
d. CSEPP On-Post - Program Management	\$1,880
FY 2011	\$3,030
Base:	
Increase driven by realignment of costs associated with HQ EOC from Mission Support to Program Management.	
e. NSCMP - Program Management	\$1,693
FY 2011	\$5,638
Base:	
Increase due to increased requirements for Support to Combatant Commanders (OCONUS) (e.g. Ft. Glenn Alaska EDS Deployment), new training requirements associated with emergency response (CONUS), Planned Recovered Chemical Materiel (RCM) (e.g. DCD Interim Remediation Measures) and Support to CMA.	

BUDGET ACTIVITY 1: Operations and Maintenance

f. NSCMP - Recovered CWM	\$35,416
FY 2011	
Base: \$24,379	
Increase due to increased requirements for Support to Combatant Commanders (OCONUS) (e.g. Ft. Glenn Alaska EDS Deployment), new training requirements associated with emergency response (CONUS), Planned Recovered Chemical Materiel (RCM) (e.g. DCD Interim Remediation Measures) and Support to CMA.	
g. NSCMP - Miscellaneous CWM	\$66
FY 2011	
Base: \$20,494	
Increase due to minor estimate adjustment.	
h. NSCMP Programmatic Support Activities	\$1,468
FY 2011	
Base: \$5,589	
Additional programmatic support needed relative to increased scope in Recovered CWM area.	
Total Program Increases	\$146,102

8. Program Decreases from FY 2011: (rounded to 000, may not add to total)

a. Director, CMA - Program Management	-\$729
FY 2011	
Base: \$11,818	
Decrease associated with implementation of CMA Transition Plan as PMCSE sites enter Closure phase.	

BUDGET ACTIVITY 1: Operations and Maintenance

b. PM CSE - Program Management	-\$780
FY 2011	
Base: \$14,171	
Decrease associated with implementation of CMA Transition Plan as PMCSE sites enter Closure phase.	
c. PM CSE - Support Activities	-\$2,850
FY 2011	
Base: \$23,673	
Decreases driven by PMCSE system contractors entering Closure and realignment of JACADS open workers compensation cases to CMA - Support Activities element.	
d. Chemical Agent Munitions Disposal System	-\$14,030
FY 2011	
Base: \$23,175	
Decrease driven by anticipated completion of CAMDS Closure in FY 2012.	
e. Chemical Demilitarization Training Facility	-\$2,036
FY 2011	
Base: \$5,429	
Decrease driven by reduced training and test/evaluation requirements as PMCSE sites begin Closure.	
f. Anniston Chemical Agent Disposal Facility	-\$6,210
FY 2011	
Base: \$177,222	
Decrease driven by reductions in non-system contractor elements as site begins Closure.	

BUDGET ACTIVITY 1: Operations and Maintenance

g. Pine Bluff Chemical Agent Disposal Facility		-\$6,566
FY 2011		
Base:	\$214,195	
Decrease driven by reductions in non-system contractor elements as site continues Closure.		
h. Newport Chemical Agent Disposal Facility		-\$5,126
FY 2011		
Base:	\$5,050	
Decrease driven by anticipated completion of NECDF mission in FY 2011.		
i. CSEPP On-Post - Mission		-\$18,328
FY 2011		
Base:	\$32,100	
Decrease is due to CSEPP operations ending at Pine Bluff in early FY 2011 and ending at Anniston, Deseret and Umatilla by mid FY 2012 along with the realignment of HQ EOC costs from Mission to Program Management.		
j. CSEPP Off-Post - Mission		-\$25,193
FY 2011		
Base:	\$76,048	
Decrease is due to CSEPP operations ending at Pine Bluff in early FY 2011 and ending at Anniston, Deseret and Umatilla by mid FY 2012.		
Total Program Decreases		-\$81,850

BUDGET ACTIVITY 1: Operations and Maintenance

IV. Performance Criteria and Evaluation Summary: Workload data not applicable.

V. Personnel Summary

	FY 2010	FY 2011	FY 2012	Change FY 2010/ FY 2011	Change FY 2011/ FY 2012
Active Military End Strength (Total)	0	0	0	0	0
Officer	0	0	0	0	0
Civilian End Strength (Total)	117	116	116	(1)	0
U.S. Direct Hire	117	116	116	0	0
Foreign National Direct Hire	0	0	0	0	0
Total Direct Hire	117	116	116	(1)	0

VI. Outyear Summary

	FY 2010	FY 2011	FY 2012
O&M (\$ Thousands)	20,529	21,437	21,834
Military End Strength	0	0	0
Civilian End Strength	117	116	116

BUDGET ACTIVITY 1: Operations and Maintenance

VII. OP-32 Line Items as Applicable (\$ in Thousands)

A. Sub Activity

	FY 2010		FY 2011 Budget	FY 2012 Estimate
	Appn	Actual		
1. DIR, CMA	9,988	9,939	10,112	9,621
2. PM CSE	7,392	7,227	7,539	7,224
3. PM NSCMP	3,331	3,363	3,786	4,989
Total	20,711	20,529	21,437	21,834

B. Reconciliation Summary:

	Change FY 2010/FY 2011	Change FY 2011/FY 2012
Baseline Funding	20,529	21,437
Congressional Adjustments	N/A	N/A
Supplemental Request	-0-	-0-
Price Change	279	323
Functional Transfer	-0-	-0-
Program Changes	629	74
Current Estimate	21,437	21,834

BUDGET ACTIVITY 1: Operations and Maintenance

C. Summary of Price and Program Growth Changes:

	2010 Actuals	Change FY 2010/FY 2011			Change FY 2011/FY 2012		
		Price Growth	Program Growth	2011 Budget	Price Growth	Program Growth	2012 Estimate
DIR, CMA	9,939	135	38	10,112	152	(643)	9,621
PM CSE	7,227	98	214	7,539	114	(429)	7,224
PM NSCM	3,363	46	377	3,786	57	1,146	4,989
Total	20,529	279	629	21,437	323	74	21,834

BUDGET ACTIVITY 1: Operations and Maintenance

OPERATION AND MAINTENANCE						
PROGRAM MANAGER FOR CHEMICAL DEMILITARIZATION						
SUMMARY OF PRICE AND PROGRAM CHANGES						
EXHIBIT OP-32						
FY 2010 (\$'S IN THOUSANDS)						
		FY2010 ACTUAL	PRICE GROWTH PERCENT	AMOUNT	PROGRAM GROWTH	FY2011 BUDGET
CIV PERS COMPENSATION						
101	EXEC. GEN & SPEC SCHED	20,529	1.36%	279	629	21,437
199	TOTAL CIV PERS COMPENSATION	20,529	1.36%	279	629	21,437
TRAVEL						
308	TRAVEL OF PERSONS	1,544	1.36%	21	10	1,575
399	TOTAL TRAVEL	1,544	1.36%	21	10	1,575
OTHER FUND PURCHASES						
602	ARMY DEP MAINT	10,234	1.36%	139	(2,001)	8,372
634	BASE SPT UTIL	11,302	1.36%	154	2,039	13,495
699	TOTAL PURCHASES	21,536	1.36%	293	38	21,867
TRANSPORTATION						
771	COMMERCIAL TRANSP	396	1.36%	5	3	403
799	TOTAL TRANSPORTATION	396	1.36%	5	3	403
OTHER PURCHASES						
913	PURCHASED UTILITIES (NON-FUND)	3,316	1.36%	45	1,883	5,244
920	SUPP & MATL (NON-FUND)	245	1.36%	3	2	249
921	PRINTING AND REPRODUCTION	32	1.36%	0	0	33
922	EQUIPMENT MAINTENANCE BY CONTRACT	75	1.36%	1	0	76
923	FACILITY MAINT BY CONTRACT	43	1.36%	1	1	45
925	EQUIPMENT (NON-FUND)	401	1.36%	5	3	409
930	OTHER DEPOT MAINT (NON-FUND)	40,011	1.36%	544	1,788	42,343
932	MGT & PROFESSIONAL SUPPORT SVCS	72,439	1.36%	985	(3,701)	69,723
933	STUDIES, ANALYSIS & EVALUATIONS	150	1.36%	2	(152)	0
934	ENGINEERING & TECHNICAL SERVICES	19,080	1.36%	259	(6,925)	12,414
960	INTEREST AND DIVIDENDS	1	1.36%	0	(0)	1
987	OTHER INTRA-GOVERNMENT PURCHASES	132,848	1.36%	1,806	22,455	157,109
988	GRANTS - ENVIRONMENTAL FEES TO STATES	4,534	1.36%	62	85	4,681
989	OTHER CONTRACTS	757,993	1.36%	10,305	(45,305)	722,993
990	IT CONTRACT SUPPORT SERVICES	6,630	1.36%	90	42	6,762
999	TOTAL OTHER PURCHASES	1,037,798	1.36%	14,109	(29,825)	1,022,083
9999	TOTAL	1,081,802		14,707	(29,145)	1,067,364

BUDGET ACTIVITY 1: Operations and Maintenance

OPERATION AND MAINTENANCE						
PROGRAM MANAGER FOR CHEMICAL DEMILITARIZATION						
SUMMARY OF PRICE AND PROGRAM CHANGES						
EXHIBIT OP-32						
FY 2011 (\$'S IN THOUSANDS)						
		FY2011 BUDGET	PRICE GROWTH PERCENT	AMOUNT	PROGRAM GROWTH	FY2012 ESTIMATE
CIV PERS COMPENSATION						
101	EXEC. GEN & SPEC SCHED	21,437	1.51%	323	74	21,834
199	TOTAL CIV PERS COMPENSATION	21,437	1.51%	323	74	21,834
TRAVEL						
308	TRAVEL OF PERSONS	1,575	1.51%	24	(30)	1,569
399	TOTAL TRAVEL	1,575	1.51%	24	(30)	1,569
OTHER FUND PURCHASES						
602	ARMY DEP MAINT	8,372	1.51%	126	(2,658)	5,840
634	BASE SPT UTIL	13,495	1.51%	203	(7,348)	6,350
699	TOTAL PURCHASES	21,867	1.51%	329	(10,006)	12,190
TRANSPORTATION						
771	COMMERCIAL TRANSP	403	1.51%	6	(8)	402
799	TOTAL TRANSPORTATION	403	1.51%	6	(8)	402
OTHER PURCHASES						
913	PURCHASED UTILITIES (NON-FUND)	5,244	1.51%	79	(2,073)	3,250
920	SUPP & MATL (NON-FUND)	249	1.51%	4	(5)	249
921	PRINTING AND REPRODUCTION	33	1.51%	0	(1)	33
922	EQUIPMENT MAINTENANCE BY CONTRACT	76	1.51%	1	(1)	76
923	FACILITY MAINT BY CONTRACT	45	1.51%	1	(1)	45
925	EQUIPMENT (NON-FUND)	409	1.51%	6	(8)	407
930	OTHER DEPOT MAINT (NON-FUND)	42,343	1.51%	638	(13,434)	29,547
932	MGT & PROFESSIONAL SUPPORT SVCS	69,723	1.51%	1,050	(12,064)	58,709
933	STUDIES, ANALYSIS & EVALUATIONS	0	1.51%	0	0	0
934	ENGINEERING & TECHNICAL SERVICES	12,414	1.51%	187	3,195	15,796
960	INTEREST AND DIVIDENDS	1	1.51%	0	(0)	1
987	OTHER INTRA-GOVERNMENT PURCHASES	157,109	1.51%	2,366	(26,040)	133,435
988	GRANTS - ENVIRONMENTAL FEES TO STATES	4,681	1.51%	70	(88)	4,663
989	OTHER CONTRACTS	722,993	1.51%	10,888	124,869	858,749
990	IT CONTRACT SUPPORT SERVICES	6,762	1.51%	102	(127)	6,737
999	TOTAL OTHER PURCHASES	1,022,083	1.51%	15,392	74,223	1,111,696
9999	TOTAL	1,067,364		16,074	64,253	1,147,691

BUDGET ACTIVITY 2: Research, Development, Test and Evaluation

(In Thousands of Dollars)	
FY 2012 Estimate	\$406,731
FY 2011 Budget	\$392,811
FY 2010 Actual	\$456,269

Purpose and Scope

This budget activity provides resources for the development and testing of technologies for the destruction of chemical munitions that are alternatives to the baseline incineration program, and the design, acquisition and testing of prototype equipment for the recovery and treatment of the non-stockpile chemical materiel.

Justification of Funds Required

Funds are required for the Non-Stockpile Chemical Materiel Project (NSCMP) in FY 2012 to continue Explosive Destruction System (EDS) process improvement studies; continue decontamination research and air monitoring studies; provide funding for Army Materiel Systems Analysis Activity (AMSAA) system test and evaluation support; and to continue design of the new EDS to process larger munitions. Also, funds are required for the Assembled Chemical Weapons Alternatives (ACWA) program in FY 2012 to complete construction and equipment installation activities, except those for an overpacked and reject munitions destruction capability, and continue systemization activities at Pueblo; and continue construction, equipment purchases and installation and demonstration testing of first-of-a-kind equipment, and to continue systemization planning activities at Blue Grass.

In addition, \$10 million of Funded Reimbursable Authority is required for evaluation and assessment of chemical agents discovered as a result of requests by other government agencies and foreign countries. It is also required for testing and evaluation of technologies developed by others, e.g., the Transportable Detonation Chamber.

BUDGET ACTIVITY 2: Research, Development, Test and Evaluation

Funded Financial Summary			
(In Thousands of Dollars)			
	FY 2010	FY 2011	FY 2012
RDT&E	Actual	Budget	Estimate
Recovered Chemical Warfare Materiel (CWM)	1,960	250	250
Programmatic Support Activities	640	6,693	4,713
Subtotal NSCMP - Mission	2,600	6,943	4,963
Subtotal NSCMP	2,600	6,943	4,963
Assembled Cml Weapons Alternative Program			
Program Management	30,330	18,848	27,368
Pueblo, CO	184,435	174,667	211,600
Blue Grass, KY	238,904	192,353	162,800
Subtotal ACWA	453,669	385,868	401,768
Total Funded	456,269	392,811	406,731

Justification by Program

A. DESCRIPTION OF ELEMENT:

Non-Stockpile Chemical Materiel Project:

This budget activity includes costs for development of improved technologies for disposing of neutralized waste; secondary waste treatment partnering with industry; research efforts on multi-agent chemical air monitoring and decontamination methods; Explosive Destruction System (EDS) studies and to continue design of the new EDS to process larger munitions.

BUDGET ACTIVITY 2: Research, Development, Test and Evaluation

Assembled Chemical Weapons Alternatives (ACWA) Program:

This budget activity includes all costs related to design, equipment, testing, and costs for operation and closure of two full-scale pilot facilities, the Pueblo Chemical Agent-Destruction Pilot Plant and the Blue Grass Chemical Agent-Destruction Pilot Plant. The budget activity also provides for the preparation of the necessary environmental documentation to support construction and operation of the two pilot facilities, as well as, public outreach and other program management activities. Costs for facility design and construction of facilities are included in the Chemical Demilitarization Construction, Defense account.

B. PROGRAM ACCOMPLISHMENTS AND PLANS:

Non-Stockpile Chemical Materiel Project (See Exhibit R-2/Section C, CMA):

Program-Wide: FY 2012 funds are required for research and development studies and program support. These include efforts to continue Explosive Destruction System (EDS) process improvement studies; continue decontamination research and air monitoring studies; provide funding for Army Materiel Systems Analysis Activity (AMSAA) system test and evaluation support, and continue design of the new EDS to process larger munitions.

Assembled Chemical Weapons Alternatives Program (See Exhibit R-2/Section C, ACWA):

Program Management: FY 2012 funds are required for ACWA Program Office salaries, supplies, equipment, travel, training, and mission and administrative support from contractors and other Government agencies.

Pueblo Chemical Agent-Destruction Pilot Plant (PCAPP): FY 2012 funds are required to complete construction and equipment installation for the pilot plant. During FY 2012, equipment installation and instrumentation will be completed for the Agent Processing Building; the Enhanced Reconfiguration Building (ERB), except for an overpacked and reject munitions destruction capability; and for the Biotreatment Area. Funds are also required to continue Agent Processing Building and ERB system turnovers and start Biotreatment Area system turnovers for systemization and to continue systemization planning activities for the future system turnovers. Additionally, funds are required for host installation support,

BUDGET ACTIVITY 2: Research, Development, Test and Evaluation

contract management, and project support services by support contractors and other government agencies.

Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP): FY 2012 funds are required for the continuation of the acquisition, fabrication, and testing of first-of-a-kind and long-lead equipment. During FY 2012, the Rocket Cutting Machine, and Rocket Shear Machine will be tested. Funds are also required for equipment acquisition/installation activities. Construction activities will continue in FY 2012 for the Munitions Demilitarization Building (MDB) and the SCWO Processing Building. Installation of fire protection and detection systems, HVAC, piping, electrical and instrumentation will continue in FY 2012. Additionally, funds are required for site support, contract management, project support services by support contractors and other government agencies, and limited systemization planning activities.

C. WORK PERFORMED BY:

The Project Manager for Non-Stockpile Chemical Materiel is located at Aberdeen Proving Ground, Maryland, and is the government's technical organization involved with the destruction of the non-stockpile chemical materiel. Primary contractors or government agencies executing non-stockpile projects are: Sandia National Laboratory, Albuquerque, New Mexico; Idaho National Laboratory, Boise, Idaho; Shaw Environmental, Inc., Boston, Massachusetts; US Army Research, Development and Engineering Command (RDECOM), Edgewood, Maryland; and others.

The Program Manager for Assembled Chemical Weapons Alternatives is located at Aberdeen Proving Ground, Maryland, and is the government's technical organization involved with the implementation of alternatives to the baseline incineration process for the demilitarization of chemical munitions. A contract to design, build, test, and operate a pilot facility based on neutralization followed by bio-treatment at Pueblo Chemical Depot, Colorado was awarded to the Bechtel Pueblo Team in 2002. A contract to design, build, test, and operate a pilot facility based on neutralization followed by supercritical water oxidation at Blue Grass Army Depot, Kentucky was awarded to the Bechtel Parsons Blue Grass Team in 2003. Other major contractors or government agencies supporting the ACWA program include: Science Applications

BUDGET ACTIVITY 2: Research, Development, Test and Evaluation

International Corporation, Abingdon, Maryland and Newton, Massachusetts; Innovative Emergency Management, INC., Bel Air, Maryland; US Army Corps of Engineers, Huntsville, Alabama; Army Contracting Command, Rock Island, Illinois; Pueblo Chemical Depot, Colorado; Blue Grass Army Depot, Kentucky; and Blue Grass Chemical Activity, Kentucky.

D. RELATED ACTIVITIES:

No unnecessary duplication of effort will occur within the Department of Defense (DoD) or the Army. Large-scale destruction of toxic chemical agents and munitions is solely the responsibility of DoD. The U.S. Army is the Executive Agent for the Chemical Demilitarization Program, except for the Pueblo Chemical Depot, Colorado and Blue Grass Army Depot, Kentucky projects that are managed directly by the Office of the Secretary of Defense.

E. OTHER APPROPRIATION FUNDS:

Non-Stockpile Chemical Materiel Project:

Operation and Maintenance FY 2012 funds in the Chemical Agents and Munitions Destruction appropriation funds will be used to operate mobile systems and continue decontamination of the remaining ton containers at the PM Non-Stockpile Chemical Materiel Pine Bluff Arsenal Ton Container Decontamination Facility (PBTCDF).

Assembled Chemical Weapons Alternatives Program:

Military construction funds requested under the Chemical Demilitarization Construction, Defense-Wide account resource facility design and construction of destruction facilities for Pueblo Chemical Depot, Colorado and Blue Grass Army Depot, Kentucky.

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Chemical Demilitarization Program • Budget Estimate Submission FY 2012 • RDT&E Program
 Exhibit R-1
 (Listing by Budget Activity, then Program Element Number)

BA# 07: Operational Systems Development

Line#	BA#	PE#	PE Title	Cost (\$ in Millions)				
				FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
01	07	0708081D	Chemical Materials Agency (CMA)	2.600	6.943	4.963	-	4.963
02	07	0708083D	ACWA - Assembled Chemical Weapons Alternatives	453.669	385.868	401.768	-	401.768
Total: Operational Systems Development				456.269	392.811	406.731	-	406.731

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Exhibit R-1
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BUDGET ACTIVITY 2: Research, Development, Test and Evaluation

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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Chemical Demilitarization Program										DATE: February 2011	
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
0390: Chemical Demilitarization Program BA 7: Operational Systems Development				PE 0708081D: Chemical Materials Agency (CMA)							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	2.600	6.943	4.963	0.000	4.963	20.023	20.124	20.240	20.331	Continuing	Continuing
0708081D: Non Stockpile Chemical Materiel Project (NSCMP)	2.600	6.943	4.963	0.000	4.963	20.023	20.124	20.240	20.331	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
This project includes costs for development of improved technologies for disposing of neutralized waste; secondary waste treatment partnering with industry; research efforts on multi-agent chemical air monitoring and decontamination methods; Explosive Destruction System (EDS) studies and to continue design of the new EDS to process larger munitions. Funds are required for the Non Stockpile Chemical Materiel Project (NSCMP) in FY 2012 to continue Explosive Destruction System (EDS) process improvement studies ; continue decontamination research and air monitoring studies; provide funding for Army Materiel Systems Analysis Activity (AMSAA) system test and evaluation support, and to continue design of the new EDS to process larger munitions.											
B. Program Change Summary (\$ in Millions)											
			FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total				
Previous President's Budget			2.600	6.943	0.000	0.000	0.000				
Current President's Budget			2.600	6.943	4.963	0.000	4.963				
Total Adjustments			0.000	0.000	4.963	0.000	4.963				
• Congressional General Reductions				0.000							
• Congressional Directed Reductions				0.000							
• Congressional Rescissions			0.000	0.000							
• Congressional Adds				0.000							
• Congressional Directed Transfers				0.000							
• Reprogrammings			0.000	0.000							
• SBIR/STTR Transfer			0.000	0.000							
• Other Program Adjustments			0.000	0.000	4.963	0.000	4.963				
C. Accomplishments/Planned Programs (\$ in Millions)											
								FY 2010	FY 2011	FY 2012	
Title: Non Stockpile Chemical Materiel Project								2.600	6.943	4.963	
FY 2010 Accomplishments:											

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BUDGET ACTIVITY 2: Research, Development, Test and Evaluation

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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Chemical Demilitarization Program		DATE: February 2011									
APPROPRIATION/BUDGET ACTIVITY 0390: Chemical Demilitarization Program BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0708081D: Chemical Materials Agency (CMA)									
C. Accomplishments/Planned Programs (\$ in Millions)		FY 2010	FY 2011	FY 2012							
<p>Awarded contract to Sandia National Laboratory for Explosive Destruction System (EDS) process improvement studies. Awarded contract to Idaho National Laboratory for Laser Decontamination Studies. Provided funding to US Army Research, Development and Engineering Command (RDECOM) for continuation of Decontamination Studies and Monitoring support.</p> <p>FY 2011 Plans: Expand EDS process improvement studies to reduce the cycle time between rounds and conduct chemistry studies that will allow the EDS to treat a wider range of recovered chemical materiel; continue Laser Decontamination Studies initiated in FY 2010; and continue monitoring and decontamination studies. Provide funding for system test and evaluation support.</p> <p>FY 2012 Plans: Complete EDS process improvement studies; continue decontamination research and air monitoring studies; provide funding for system test and evaluation support; and continue design of the new EDS to process larger munitions.</p>											
Accomplishments/Planned Programs Subtotals		2.600	6.943	4.963							
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• 0390 O&M/0708081D: CAMD,D O&M	86.680	56.100	95.587		95.587	89.722	74.603	88.823	85.147	Continuing	Continuing
• 0390 PROC/0708081D: CAMD,D PROC	0.000	0.000	0.000		0.000	39.680	6.728	7.309	0.000	Continuing	Continuing
E. Acquisition Strategy											
The Non Stockpile Chemical Materiel Project (NSMCP) Manager contracts with Sandia National Laboratory, Idaho National Laboratory (INL), Shaw Environmental, Inc, and US Army Research, Development and Engineering Command (RDECOM) to complete the mission described in Section A.											
F. Performance Metrics											
The DOD uses the percent (cumulative from CWC entry into force) of treaty-declared category 1 chemical weapons destroyed as a performance measure for the Chemical Demilitarization (Chem Demil) Program (DoD Performance Measure 2.1-1). The program has developed annual destruction goals to guide its progress toward destroying the entire U.S. chemical weapons stockpile as close as practical to the CWC 100% destruction deadline of April 2012.											

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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Chemical Demilitarization Program										DATE: February 2011	
APPROPRIATION/BUDGET ACTIVITY 0390: Chemical Demilitarization Program BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0708083D: ACWA - Assembled Chemical Weapons Alternatives							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	453.669	385.868	401.768	-	401.768	489.095	585.692	617.434	645.128	Continuing	Continuing
0708083D: ACWA - Assembled Chemical Weapons Alternatives	453.669	385.868	401.768	-	401.768	489.095	585.692	617.434	645.128	Continuing	Continuing
Quantity of RDT&E Articles								195	1166		
Note Project articles are U.S. tons of agent destroyed. Figures above are non-cumulative annual forecasts. Total ACWA Program quantity is 3,136 tons.											
A. Mission Description and Budget Item Justification The Assembled Chemical Weapons Alternatives (ACWA) Program is a Category 1D MDAP responsible for destroying that portion of the U.S. inventory of lethal chemical agents and munitions stored at the Pueblo Chemical Depot in Colorado and the Blue Grass Army Depot in Kentucky. The ACWA Program is part of the Chemical Demilitarization Program, which is a congressionally mandated program. The Chemical Demilitarization Program supports the interantional initiatives to rid the world of chemical weapons, as enunciated in the Chemical Weapons Convention (CWC). Consistent with Public Law 104-208 (the Omnibus Consolidated Appropriation Act for FY 1997), the Office of the Secretary of Defense has direct oversight of the ACWA Program. In 2008, Public Laws 110-116 and 110-181 mandated that the U.S. chemical weapons stockpile must be destroyed by the deadline established by the CWC and under no circumstances later than December 31, 2017. In response, DoD submitted the May 2009 Semi-Annual Report to Congress on progress toward destruction of the U.S. stockpile of lethal chemical agents and munitions. In that report, DoD stated its proposed plan is to seek additional resources to (in part) "accelerate the ACWA program schedule toward completing destruction of an additional eight percent of the U.S. stockpile at Pueblo in 2017 and the remaining two percent of the U.S. stockpile at Blue Grass in 2021". Funds are required for the ACWA Program in FY 2012 to complete construction activities, except possibly those for an overpack/reject munitions destruction capability, at Pueblo Chemical Depot, Colorado and continue construction activities and acquisition/testing of first-of-a-kind and other process equipment at Blue Grass Army Depot, Kentucky. Additionally, funds are required to continue system turnover and prove-out activities at the Pueblo Chemical Agent-Destruction Pilot Plant (PCAPP) and systemization planning at the Blue Grass Agent –Destruction Pilot Plant (BGCAPP). FY 2012 requirements are further explained below: -Program Management: Funds are required for ACWA Program Office salaries, supplies, equipment, travel, training, and mission and administrative support from contractors and other Government agencies. -Pueblo Chemical Agent-Destruction Pilot Plant (PCAPP): Funds are required to complete construction and equipment installation for the pilot plant. Funds are also required to continue system turnovers and for systemization activites. Additionally, funds are required for host installation support, contract management, and project support services by support contractors and other government agencies. -Blue Grass Chemical Agent-Destruction Pilot Plant (BGCAPP): Funds are required to continue construction and the acquisition, fabrication, and testing of first-of-a-kind equipment for the pilot plant. Funds are also required for systems contract construction management during the construction and equipment acquisition and testing activities. Additionally, funds are required for site support, contract management, project support services by support contractors and other government agencies, and limited systemization planning activities.											

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BUDGET ACTIVITY 2: Research, Development, Test and Evaluation

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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Chemical Demilitarization Program					DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 0390: Chemical Demilitarization Program BA 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0708083D: ACWA - Assembled Chemical Weapons Alternatives			
B. Program Change Summary (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget	398.669	385.868	388.940	-	388.940
Current President's Budget	453.669	385.868	401.768	-	401.768
Total Adjustments	55.000	-	12.828	-	12.828
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	55.000	-			
• SBIR/STTR Transfer	-	-			
• Other Program Adjustments	-	-	12.828	-	12.828
Change Summary Explanation					
Other program adjustments include a +\$6.403M increase based on requirements identified in 2010 Program Office Estimate (and offset by reduction to Chemical Demilitarization, Construction), an inflation adjustment of -\$0.575M, and a USD (Comptroller) adjustment of +\$7.000M.					
C. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: The Assembled Chemical Weapons Alternatives (ACWA) Program	453.669	385.868	401.768	-	401.768
Articles:	0	0	0	0	0
FY 2010 Accomplishments:					
During FY 2010 construction activities, first-of-a-kind (FOAK) equipment fabrication and testing activities and systems contractor procurement activities for other (non-FOAK) process equipment continued at both the Pueblo and Blue Grass. Additionally, design activities for BGCAPP were completed, and PCAPP systems turnovers for systemization began. For PCAPP, prototype testing of the Munitions Washout System, a FOAK item, was completed April 2010. For BGCAPP, FOAK prototype testing was completed in November 2009 for the Metal Parts Treater and in March 2010 for the Energetics Batch Hydrolyzer; Munitions Demilitarization Building (MDB) vertical wall construction continued throughout FY 2010; and placement of at-grade horizontal concrete for the MDB was completed in July 2010. Additionally, a major subcontract for purchase and installation of fire protection and detection systems was awarded in September 2010.					
FY 2011 Plans:					
For PCAPP, equipment installation and instrumentation will be completed for the Agent Processing Building (APB), Laboratory, and Biotreatment Area, and for the Enhanced Reconfiguration Building (ERB) these activities					

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BUDGET ACTIVITY 2: Research, Development, Test and Evaluation

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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Chemical Demilitarization Program			DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 0390: <i>Chemical Demilitarization Program</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0708083D: <i>ACWA - Assembled Chemical Weapons Alternatives</i>				
C. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)						
		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<p>will continue throughout FY 2011. Additionally, FOAK prototype endurance testing for the Munitions Washout System for 105mm and 4.2 inch projectiles/mortars will be completed and system turnovers for systemization of the APB and ERB will commence and systemization planning activities for the future system turnovers will continue. A contract modification for Systemization was awarded in December 2010.</p> <p>For BGCAPP, the acquisition, fabrication, and testing of FOAK and long-lead equipment will continue. More specifically, the sampling glove box for the Agent Neutralization System (ANS), the Energetics Neutralization System (ENS), and the Aluminum Filtration System will be fabricated and tested, and the ANS and ENS installation will begin. Fabrication and FOAK prototype testing of the Rocket Cutting Machine, Rocket Shear Machine and the Munitions Washout System are also anticipated to occur in FY 2011. Construction activities in FY 2011 will include continuation of Munitions Demilitarization Building (MDB) vertical wall concrete erection, completion of Control and Support Building siding and roofing, and continuation of construction for the Supercritical Water Oxidation (SCWO) Processing Building. Additionally HVAC, piping, electrical and instrumentation purchases and installation will continue, and limited systemization planning activities for BGCAPP will begin.</p> <p>FY 2012 Base Plans: For PCAPP, funds are required to complete construction and equipment installation for the pilot plant. During FY 2012, equipment installation and instrumentation will be completed for the Agent Processing Building; the Enhanced Reconfiguration Building (ERB), except those for an overpacked and reject munitions destruction capability; and for the Biotreatment Area. Funds are also required to continue Agent Processing Building and ERB system turnovers and start Biotreatment Area system turnovers for systemization and to continue systemization planning activities for the future system turnovers. Additionally, funds are required for host installation support, contract management, and project support services by support contractors and other government agencies.</p> <p>For BGCAPP, funds are required for the continuation of the acquisition, fabrication, and testing of first-of-a-kind and long-lead equipment. During FY 2012, the Rocket Cutting Machine and Rocket Shear Machine will be tested. Funds are also required for equipment acquisition/installation activities. Construction activities will continue in FY 2012 for the Munitions Demilitarization Building (MDB) and the SCWO Processing Building. Installation of fire protection and detection systems, HVAC, piping, electrical and instrumentation will continue</p>						

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BUDGET ACTIVITY 2: Research, Development, Test and Evaluation

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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Chemical Demilitarization Program						DATE: February 2011					
APPROPRIATION/BUDGET ACTIVITY 0390: Chemical Demilitarization Program BA 7: Operational Systems Development			R-1 ITEM NOMENCLATURE PE 0708083D: ACWA - Assembled Chemical Weapons Alternatives								
C. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)						FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	
in FY 2012. Additionally, funds are required for site support, contract management, project support services by support contractors and other government agencies, and limited systemization planning activities.											
FY 2012 OCO Plans: n/a											
Accomplishments/Planned Programs Subtotals						453.669	385.868	401.768	-	401.768	
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• 0391: Chemical Demilitarization Construction, Defense	151.541	124.971	75.312	0.000	75.312	79.842	92.323	90.416	11.269	0.000	1,334.100
E. Acquisition Strategy											
The Assembled Chemical Weapons Alternatives (ACWA) Program is overseen by a program management office, the U.S. Army Element, Assembled Chemical Weapons Alternatives (USAE, ACWA), headquartered at the Edgewood area of Aberdeen Proving Ground, Maryland. The program is primarily executed through systems contracts to design, build, test, and operate pilot destruction facilities. The destruction facilities will use first-of-a-kind (FOAK) disassembly equipment and neutralization destruction technology for the chemical agent and the munition body followed by on-site treatment of the neutralization by-product using biotreatment at Pueblo and super critical water oxidation (SCWO) at Blue Grass.											
Two systems contracts , i.e., one per site, were competitively awarded to: Bechtel National Incorporated in 2002 for Pueblo Chemical Depot, Colorado, and to Bechtel Parsons Blue Grass (a Joint Venture) in 2003 for Blue Grass Army Depot, Kentucky. These contracts were originally awarded as indefinite delivery / indefinite quantity (IDIQ) task order contracts. However, due to program delays after award of these contracts and the ten-year ordering period for IDIQ contracts, the systems contracts were restructured to life-cycle service contracts to remove the IDIQ provisions, cover the balance of the work to be performed, and retain the multi-year authorization of the FY 2007 National Defense Authorization Act. Restructuring of the systems contracts was briefed to and endorsed by the Director, Defense Procurement and Acquisition Policy in 2008, and effected in 2009. The systems contracts are cost reimbursable type (CPIF) contracts.											
F. Performance Metrics											
The DoD uses the percentage of treaty-declared category 1 chemical weapons destroyed per year of operations, as a performance measure for the Chemical Demilitarization Program. This measure will apply to the ACWA Program in FY 2015 when destruction operations at PCAPP are scheduled to start. In the interim, major milestones anticipated for the ACWA Program during FY 2010 and FY2011 are primarily related to the construction phase.											

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BUDGET ACTIVITY 3: PROCUREMENT

(In Thousands of Dollars)

FY 2012 Estimate	\$0
FY 2011 Budget	\$7,132
FY 2010 Actual	\$22,689

Purpose and Scope

This budget activity provides for the procurement of all process and support equipment used in the incineration disposal facilities for destroying the unitary chemical stockpile, equipment to support the closure of the incineration facilities, and the Chemical Stockpile Emergency Preparedness Project equipment. It includes costs for design acquisition, fabrication, and installation of equipment. Also included are costs for initial spare parts, freight, software, maintenance, and operations manuals relating to specific equipment and design changes during construction and installation.

Justification of Funds Required

No funds are requested in FY 2012.

BUDGET ACTIVITY 3: PROCUREMENT

Funded Financial Summary (In Thousands of Dollars)			
PROC	FY 2010 Actual	FY 2011 Budget	FY 2012 Estimate
Tooele Chemical Agent Disposal Facility	6,500		
Anniston Chemical Agent Disposal Facility	1,500	2,500	
Umatilla Chemical Agent Disposal Facility	2,000	4,632	
Subtotal CSE	10,000	7,132	
CSEPP Off-Post - Mission	12,689		
Subtotal CSEPP	12,689		
Total Funded	22,689	7,132	

Justification by Program

No funds are requested in FY 2012

BUDGET ACTIVITY 3: PROCUREMENT

Exhibit P-40, Budget Item Justification							Date: February 2011			
Appropriation Code/Budget Activity/Serial Number:					P-1 Item Nomenclature: Chemical Demilitarization Process Equipment					
Program Element for Code B Items:			Other Related Program Elements							
	ID Code	FY 2008 & Prior	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY2016
Proc Qty										
Gross Cost (M\$)										
		2,379.8	64.1	22.7	7.1	0.0	40.2	8.4	10	3.1
DESCRIPTION:										
<p>This budget activity provides for the design, fabrication, purchase and installation of all process and support equipment used in the incineration disposal facilities for destroying the unitary chemical agent stockpile. This budget activity also provides for the purchase of equipment and services to support the Chemical Emergency Preparedness Project and the Non-Stockpile Chemical Material Product.</p>										
JUSTIFICATION:										
<p>No funds are requested in FY 2012.</p>										

BUDGET ACTIVITY 3: PROCUREMENT

Exhibit P-5, Cost Analysis		Weapon System			Date: February 2011				
Appropriation Code/Budget Activity/Serial Number:				ID:	P-1 Line Item Nomenclature: Chemical Demilitarization Equipment				
WBS COST ELEMENTS	FY10			FY11			FY12		
	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
Engineering Services	0								
Chemical Agent Disposal Facility	0								
Tooele Chemical Agent Disposal Facility	6,500								
Anniston Chemical Agent Disposal Facility	1,500			2,500					
Umatilla Chemical Agent Disposal Facility	2,000			4,632					
Subtotal CSE	10,000			7,132					
CSEPP	12,689			0			0		
TOTAL	22,689	0	0	7,132	0	0	0	0	0