

**FISCAL YEAR (FY) 2011  
BUDGET ESTIMATES**

**February 2010**



**CHEMICAL DEMILITARIZATION CONSTRUCTION, DEFENSE**

This page intentionally left blank

**FISCAL YEAR (FY) 2011 BUDGET ESTIMATES  
CHEMICAL DEMILITARIZATION CONSTRUCTION, DEFENSE**

<u>TABLE OF CONTENTS</u>	<u>PAGE NO</u>
<b>APPROPRIATION LANGUAGE.....</b>	<b>1</b>
<b>APPROPRIATION JUSTIFICATION.....</b>	<b>2</b>
PART I - PURPOSE AND SCOPE	
PART II - JUSTIFICATION OF FUNDS REQUIRED	
PART III - MILESTONES	
<b>EXHIBITS</b>	
FY 2011 Military Construction Project Data (DD Forms 1391) . . . . .	<b>9</b>
FY 2011 Military Construction Program (DD Forms 1390) . . . . .	<b>17</b>

**CHEMICAL DEMILITARIZATION CONSTRUCTION, DEFENSE**

**APPROPRIATION LANGUAGE**

**Fiscal Year 2011**

For expenses, not otherwise provided for, necessary for the construction of facilities and infrastructure upgrades to support destruction of the United States stockpile of lethal chemical agents and munitions in accordance with the provisions of Section 1412 of the National Defense Authorization Act, 1986 (50 U.S.C. 1521), \$124,971,000 to become available on October 1, 2010 and to remain available until September 30, 2015.

JUSTIFICATION OF FY 2011 BUDGET ESTIMATE SUBMISSION  
CHEMICAL DEMILITARIZATION CONSTRUCTION, DEFENSE

APPROPRIATION JUSTIFICATION

(In Thousands of Dollars)	
FY 2011 Estimate	\$124,971
FY 2010 Budget	\$151,541
FY 2009 Actual	\$144,278

Part I – Purpose and Scope

This account provides funding for design and construction of full-scale chemical disposal facilities and associated projects to upgrade installation support facilities and infrastructures required to support the Assembled Chemical Weapons Alternatives (ACWA) portion of the Chemical Demilitarization Program. This account was established starting in FY 2005 to comply with Section 141 (b) of the FY 2003 National Defense Authorization Act.

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 Chemical Weapons Convention (CWC). The Chemical Demilitarization Program is this nation's response to the mandate of public law and commitments under the CWC. The major milestones anticipated for the ACWA Program during FY 2011 are defined primarily for the construction phase as shown in Part III of this document.

This document provides justification for FY 2011 financial requirements in support of the ACWA portion of the Chemical Demilitarization Program. Requirements for this Program other than those addressed herein are budgeted in the Chemical Agents and Munitions Destruction appropriation.

The costs for facilities construction for each chemical disposal plant to be built are based on site-specific design criteria and depot infrastructure requirements. These requirements include planning, acquisition, construction and other supporting activities necessary to construct the destruction facilities.

**Part III – Program Descriptions and Milestones**

The Assembled Chemical Weapons Alternatives (ACWA) program is a separately managed part of the Chemical Demilitarization Program, responsible for implementing alternative (non-incineration) technologies for the destruction of the chemical weapons stockpile at the Pueblo Chemical Depot in Colorado and the Blue Grass Army Depot in Kentucky.

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 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”.

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

Program Inception (Omnibus Consolidated Appropriation Act for FY 1997, Public Law 104-208)	1997
Criteria Development, Assessment, Demonstration of Alternatives	1997 to 2002
Received Pueblo Record of Decision and Technology Selection	July 2002
Received Blue Grass Record of Decision and Technology Selection	February 2003
10 USC Sec. 2433 Program Certification	January 2007
Revised Acquisition Program Baseline Approved	April 2007

**Pueblo Chemical Agent-Destruction Pilot Plant (PCAPP):**

Systems Contract Award	September 2002
RCRA RD&D Permit Approval, Stages I and II	July 2004 and June 2005
Trade Studies (Cost Reduction)	October 2004 to July 2005
Intermediate Re-Design Completion	February 2006
Stage 3 Permit Modification Submittal and Approval	November 2006 to October 2008
Stage 1A & 1B Construction, Field Activities	October 2005 to October 2007
Stage 2 Construction, Field Activities Start	May 2007
Final Design, Government Acceptance	May 2007
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
- Complete prototype testing, Munitions Washout System (MWS)	4 <sup>th</sup> Qtr FY 2010
- Complete construction, Control & Support Building	1 <sup>st</sup> Qtr FY 2011
- Complete construction, Laboratory	2 <sup>nd</sup> Qtr FY 2011
- Complete construction, APB and ERB	1 <sup>st</sup> Qtr FY 2012
- Complete construction, Biotreatment Area	2 <sup>nd</sup> Qtr FY 2012
Systemization, award contract modification	3 <sup>rd</sup> Qtr FY 2010
Begin preparatory plans to accelerate Chem Demil Program execution	FY 2010 - FY 2015

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

Systems Contract Award	June 2003
RCRA RD&D Permit Application Approval	September 2005
Access Road & Earthwork Construction	May 2006 to May 2007
Final Process and Main Facilities Design, Government Acceptance	July 2008
Design Completion, Government Acceptance	4th Qtr FY 2010
Main Plant and Balance of Construction, Field Activities	March 2008 to FY 2016
-Placement of Munitions Demilitarization Building (MDB) Horizontal concrete	October 2008 to 4th Qtr FY 2010
-Complete prototype testing, Metal Parts Treater	November 2009
-Initiate construction, MDB vertical wall	December 2009

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

-Complete prototype testing, Energetics Batch Hydrolyzer	2nd Qtr FY 2010
-Install Agent and Energetic Neutralization Systems	4th Qtr FY 2011
-Complete Laboratory Building	1st Qtr FY 2012

**Funded Financial Summary  
(In Thousands of Dollars)**

The FY 2009, 2010, and 2011 resource levels required to support the following facilities are shown below:

<b>Locations/Facilities</b>	<b>FY 2009</b>	<b>FY 2010</b>	<b>FY 2011</b>
<b>Facilities Construction</b>	<b>Actual</b>	<b>Budget</b>	<b>Estimate</b>
KY, Blue Grass Army Depot - Defense Access Road	12,000	0	0
KY, Blue Grass Chem Agent-Disposal Pilot Plant	67,218	59,041	59,402
CO, Pueblo Chem Agent-Disposal Pilot Plant	65,060	92,500	65,569
<b>Total Funded</b>	<b>144,278</b>	<b>151,541</b>	<b>124,971</b>



This page intentionally left blank

DEPARTMENT OF THE ARMY  
 FISCAL YEAR 2011  
 MILITARY CONSTRUCTION  
 (DOLLARS IN THOUSANDS)

INSIDE THE UNITED STATES

<u>STATE</u>	<u>INSTALLTION (COMMAND/REGION)</u>	<u>AUTHORIZATION</u>	<u>APPROPRIATION</u>	<u>NEW/ CURRENT</u>	<u>PAGE</u>
<u>PROJECT NUMBER</u>	<u>PROJECT TITLE</u>	<u>REQUEST</u>	<u>REQUEST</u>	<u>MISSION</u>	
Colorado	Pueblo Chemical Depot (AMC/NWRO)				
67609	Ammunition Demil Fac, Increment XII	0	65,569	C	9
	Subtotal Pueblo Chemical Depot	0	65,569		
	*TOTAL Chem Demil Construction FOR Colorado	0	65,569		
Kentucky	Blue Grass Army Depot (AMC/SERO)	0			
67604	Ammunition Demil Fac, Increment XI	0	59,402	C	13
	Subtotal Blue Grass Army Depot	0	59,402		
	*TOTAL Chem Demil Construction FOR Kentucky	0	59,402		
** TOTAL INSIDE UNITED STATES FOR Chem Demil Construction		0	124,971		
	Total Cost of New Mission Projects	(0)	124,971		
	Total Cost of Current Mission Projects	(2)	0		
	Total Cost of other line tiems	(0)	0		
	Total Cost of FY 2011 Chem Demil Construction Projects	(2)	124,971		

This page intentionally left blank

1. COMPONENT		2. DATE		
ARMY		FY 2011		MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION		4. PROJECT TITLE		
Fueblo Chemical Depot Colorado		Chemical Demil Stockpile Pac Ph XII		
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST (\$000)	
	216	61609	Base Approp	65,569
9. COST ESTIMATES				
ITEM	UOM	QTY	UNIT COST	COST (\$000)
<b>PRIMARY FACILITY</b>				
Agent Processing Bldg	sq	5,096	16,075	81,911
Enhanced Reconfiguration Bldg	sq	3,328	11,688	38,802
Access Road	km	9.33	181211	1,697,907
Control & Support / Maintenance	sq	1,765	12,273	21,564
Multi-Purpose Bldg	sq	2,546	8,313	21,162
Total from Continuation page				(73,812)
<b>SUPPORTING FACILITIES</b>				
Electric Service	LS	--	--	(43,215)
Water, Sewer, Gas	LS	--	--	(19,691)
Steam And/OR Chilled Water Dist	LS	--	--	(14,220)
Paving, Walks, Curbs & Gutters	LS	--	--	(11,294)
Storm Drainage	LS	--	--	(1,293)
Site Imp(17,946) Demol	LS	--	--	(17,946)
Information Systems	LS	--	--	(2,221)
ESTIMATED CONTRACT COST				364,228
CONTINGENCY (5.00%)				18,211
SUBTOTAL				382,439
SUPV, INSP & OVERHEAD (5.70%)				21,799
DESIGN/BUILD - DESIGN COST				79,777
TOTAL REQUEST				484,015
TOTAL REQUEST (ROUNDED)				484,000
INSTALLED EQ-OTHER APPROP				(472,000)
20. Description of Project Construction Construct a Chemical Stockpile Disposal Program (CSDP) facility using incremental appropriations. This Chem Demil facility is currently authorized \$484.0 million. The FY2011 budget request is for Increment XII (DN 61609, \$65,569 million). Increment I (DN 17700, \$0 appropriation and \$261.0 million authorization) was approved in FY 1997, FY 2000, and FY 2003; Increment II (DN 40658, \$10.7 million) was approved in FY 2001; Increment III (DN 47261, \$11.0 million) was approved in FY 2002; Increment IV (DN 47846, \$38.0 million) was approved in FY 2003; Increment V (DN 51026, \$69,767 million, original appropriation of \$88.388 million as reduced by \$18.621 million due to reprogramming for an approved Defense Access Road (DAR) project) was approved in FY 2004, Increment VI (DN 57496 \$44.792 million) was approved in FY 2005, Increment VII (DN 58386, \$0); the FY2006 amount received no funding; Increment VIII (DN 66244 \$41.836 million) was approved in FY 2007, Increment IX (DN 67606 \$29.438 million, original appropriation of \$35.159 million as reduced by \$5.721 million due to reprogramming for an approved DAR project) was approved in FY 2008; Increment X (DN 67607 \$65.069 million) was approved in FY 2009, and Increment XI (DN 67608 \$92.500 million) was approved in FY 2010. This project will provide for the design and construction of a toxic chemical munitions demilitarization				

1. COMPONENT: **PY 2011 MILITARY CONSTRUCTION PROJECT DATA** 2. DATE: **FEB 2010**  
 ARMY: **1. INSTALLATION AND LOCATION**

**Pueblo Chemical Depot, Colorado**  
 4. PROJECT TITLE: **5. PROJECT NUMBER: 67609**

**Chemical Demil Stockpile Fac Ph XII**

3. COST ESTIMATES (CONTINUED)			
Item	UM (M/E)	QUANTITY	DATE COST (\$000)
<b>PRIMARY FACILITY (CONTINUED)</b>			
Bio Treatment Area	m2 (SF)	11,317 (	1,412 (15,916)
Utility Building	m2 (SF)	606.17 (	16,586 (11,564)
EDT/EDS Area	m2 (SF)	5,110 (	3,787 (19,400)
Process Control Bldg	m2 (SF)	987.78 (	4,780 (4,516)
Lab/Shop Filter Bldg	m2 (SF)	3,753 (	985.54 (3,708)
Process Support Bldg Node	m2 (SF)	687.18 (	4,902 (3,384)
Entry Control Facility	m2 (SF)	613.16 (	4,162 (2,512)
Agent Filter Area	m2 (SF)	232.26 (	11,382 (2,625)
Kicker Recovery/Brine Reduction	m2 (SF)	4,085 (	532.17 (2,153)
Munitions Storage Magazine	m2 (SF)	713.50 (	2,582 (1,842)
Dangerous Storage Magazine	m2 (SF)	185.81 (	3,617 (612)
Munition Body Storage Bldg	m2 (SF)	102.01 (	2,000 (512)
IDS Installation	LS	867.80 (	771.99 (610)
Building Information Systems	LS	--	-- (3,466)
			1503)
		<b>Total:</b>	<b>73,812</b>

**DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)**  
 (Demil) complex based on the Neutralization followed by Electrodeposition Process approved in the Acquisition Evaluation Memorandum dated 16 Oct 02. The work is being executed under a design-build cost reimbursement contract. Work includes an energetics processing building with blast containment, an agent processing building, a control building, a process auxiliary building, a personnel and maintenance facility with change rooms, a utility building, maintenance storage, and a medical treatment area; a process support and administrative building; a chemical analysts laboratory; a waste storage building; a biotreatment area; and entry control facilities. Special features include blast doors, fire protection, a cascading heating, ventilation, air conditioning (HVAC) system with airlocks for agent containment, special air filtration, special personnel protective clothing area, toxic chemical resistive coatings and surfaces, explosion-proof electrical fixtures, and an intrusion detection system (IDS). Supporting facilities include utilities; electric service with an electrical substation; standby electric generators; security fencing and lighting; paving and surfacing, walks, curbs and gutters; storm drainage; information systems; and site improvements. Heating will be provided by a central system; air conditioning will be provided by self-contained units.

11. REQ: NONE ADGT: NONE SUBSTO: NONE  
 PROJECT: Construct a toxic chemical agent munitions demilitarization

1. COMPONENT		FY 2011 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY				FEB 2010	
3. INSTALLATION AND LOCATION					
Pueblo Chemical Depot, Colorado					
4. PROJECT TITLE				5. PROJECT NUMBER	
Chemical Demil Stockpile Fac Ph XII				67609	
<b>PROJECT: (CONTINUED)</b>					
Facility: (New Mission)					
<b>REQUIREMENT:</b> This project is required to provide the capability to demilitarize and dispose of the toxic chemical agents and munitions stored at Pueblo Chemical Depot in a safe, environmentally acceptable manner. Congress has mandated the disposal of the existing unitary chemical stockpile and the Army has submitted an implementation plan which cites this facility as an integral and essential part of the chemical stockpile disposal program.					
<b>CURRENT SITUATION:</b> Projectiles containing lethal chemical agents are stored in igloos at the installation and some currently exhibit an accelerated rate of deterioration. These munitions are of no strategic value, but they must be safely stored and inspected to ensure that there is no risk to the public or the environment. The monitoring and surveillance costs for safe storage continue to accrue. No other acceptable disposal facilities are available.					
<b>IMPACT IF NOT PROVIDED:</b> If this project is not provided, the Army will not be able to comply with congressional mandates and Chemical Weapons Convention treaty requirements for chemical munitions stockpile disposal. Also, maintenance and surveillance costs will continue to grow as the agents and munitions deteriorate with age. The threat to the health of depot employees and the environment will continue.					
<b>ADDITIONAL:</b> This project has been coordinated with the installation physical security plan, and all required physical security measures are included. Anti-terrorism/force protection measures have been designed as required. This project is mandated by Congress and is exempt from preparation of an economic analysis.					
<b>12. SUPPLEMENTAL DATA:</b>					
A. Estimated Design Data:					
(1) Status:					
(a)	Date Design Started.....				MAY 2003
(b)	Percent Complete As of January 2010.....				100.00
(c)	Date 35% Designed.....				JUN 2005
(d)	Date Design Complete.....				APR 2007
(e)	Parametric Cost Estimating Used to Develop Costs				NO
(f)	Type of Design Contract: Design-build				
(2) Basis:					
(a)	Standard or Definitive Design: NO				
(3) Total Design Cost (c) = (a)+(b) OR (d)+(e): (0000)					
(a)	Production of Plans and Specifications.....				1,654
(b)	All Other Design Costs.....				994
(c)	Total Design Cost.....				2,648
(d)	Contract.....				478
(e)	In-house.....				2,170

1. COMPONENT	2. DATE	
ARMY	FY 2011	FEB 2010
3. INSTALLATION AND LOCATION		
Pueblo Chemical Depot, Colorado		
4. PROJECT TITLE	5. PROJECT NUMBER	
Chemical Demil Stockpile Fac Ph XII	61609	
12. SUPPLEMENTAL DATA: (Continued)		
A. Estimated Design Data: (Continued)		
(4) Construction Contract Award.....		SEP 2002
(5) Construction Start.....		OCT 2005
(6) Construction Completion.....		MAR 2012
B. Equipment associated with this project which will be provided from other appropriations:		
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated Or Requested
Process Equipment	CAMD	2008 207,555
Process Equipment	CAMD	2009 83,086
Process Equipment	CAMD	2010 79,281
Process Equipment	CAMD	2011 73,124
Process Equipment	CAMD	2012 28,954
	TOTAL	472,000

1. COMPONENT		FY 2011 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
ARMY					FEB 2010	
3. INSTALLATION AND LOCATION		4. PROJECT TITLE				
Blue Grass Army Depot Kentucky		Chemical Demil Stockpile Fac Ph XI				
5. PROGRAM ELEMENT		6. OBJECT CODE	7. PROJECT NUMBER	8. PROJECT COST (000)		
		216	61604	59,402		
9. COST ESTIMATES						
PRIMARY FACILITY	TEN	UN QM/2	QUANTITY	UNIT COST	COST (000)	
Munitions Disposal Bldg	m2 (SF)	--	8,986 (	96,720)	24,950	451,491
Control and Support Bldg	m2 (SF)	--	3,437 (	37,000)	12,457	124,272
Filter Area	m2 (SF)	--	3,608 (	38,840)	1,291	42,820
Access Control Bldg	m2 (SF)	--	110.37 (	1,188)	32,205	4,658
Container Handling Bldg	m2 (SF)	--	1,823 (	19,624)	5,634	3,565
Total from Continuation pages					165,530	(10,637)
SUPPORTING FACILITIES					112,607	
Electric Service	LS	--	--	--	--	(38,567)
Water, Sewer, Gas	LS	--	--	--	--	(10,554)
Steam And/or Chilled Water Dist	LS	--	--	--	--	(1,047)
Paving, Walks, Curbs & Gutters	LS	--	--	--	--	(13,073)
Storm Drainage	LS	--	--	--	--	(4,680)
Site Imp(34,315) Demol	LS	--	--	--	--	(34,315)
Information Systems	LS	--	--	--	--	(10,371)
ESTIMATED CONTRACT COST						564,098
CONTINGENCY (5.00%)						28,205
SUBTOTAL						592,303
SUPV, INSP & OVERHEAD (5.70%)						33,761
DESIGN/BUILD - DESIGN COST						120,178
TOTAL REQUEST						746,242
TOTAL REQUEST (ROUNDED)						746,000
INSTALLED EQT-OTHER APPROX						(1,117,274)
10. Description of Project Components Construct a Chemical Agent Destruction Pilot Plant facility using incremental appropriations which are split over more than one fiscal year. This Chemical Agent Destruction Pilot plant requires an authorization increase of \$254.0 million above the current authorization of \$492.0 million for a new total authorization of \$746.0 million. This estimate is based on the systems contractor's final designs for all major facilities. The FY2011 budget request is for increment XI PW 67604 (\$59,402 million). Previous appropriations are as follows: FY2000, Increment I, PW 21924 (\$0); FY2002 Increment II, PW 48845 (\$3.0 million); FY2003, Increment III, PW 47847 (\$10.3 million); FY2004 Increment IV, PW 50552 (\$16.22 million); FY2005 Increment V, PW 51027 (\$37,024 million); FY2006, Increment VI, PW 58321 (\$0) (FY06 MDE funds (\$46.8 million) were authorized by Congress for MDCOM design and construction activities for FY2006 only); FY2007 Increment VII, PW 58322 (\$89.157 million); FY2008, Increment VIII, PW 59800 (\$59.017 million); FY2009 Increment IX PW 59801 (\$67.218 million) and FY2010 Increment X PW 67602 (\$59,041 million). This project will provide for the design and construction of toxic chemical munitions demilitarization (demil) complex based on neutralization followed by supercritical water oxidation (SCWO). The work is being executed under a performance based design-build cost reimbursement						

DD FORM 1391

PREVIOUS EDITIONS MAY BE USED UNLESS INDICATED OTHERWISE

PAGE NO.

FORM 1391



1. COMPONENT		FY 2011 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY				FEB 2010	
3. INSTALLATION AND LOCATION					
Blue Grass Army Depot, Kentucky					
4. PROJECT TITLE				5. PROJECT NUMBER	
Chemical Demol Stockpile Fac Ph XI				67604	
9. COST ESTIMATES (CONTINUED)					
Item	UN (M/E)	QUANTITY	UNIT COST	COST (\$000)	
<u>PRIMARY FACILITY (CONTINUED)</u>					
Utility Bldg	m2 (SR)	2,341 (	25,200)	19,649	(46,082)
SCWO Bldg	m2 (SR)	2,471 (	26,596)	22,853	(56,461)
Hydrolysis Storage Tank Area	m2 (SR)	2,775 (	29,869)	5,097	(14,143)
Standby Diesel Generator Area	m2 (SR)	557.42 (	6,000)	5,499	(3,065)
Personnel Maintenance Bldg	m2 (SR)	1,417 (	15,250)	5,358	(7,591)
Personnel Support Bldg	m2 (SR)	2,165 (	23,300)	2,157	(4,609)
Entry Control Facility	m2 (SR)	129.60 (	1,395)	30,603	(3,966)
Modular Laboratory Bldg	m2 (SR)	704.20 (	7,580)	9,181	(6,461)
Lab Filter Area	m2 (SR)	92.90 (	1,000)	22,688	(2,188)
Maintenance Bldg	m2 (SR)	2,606 (	28,040)	1,721	(4,486)
Gas Mask Storage Bldg	m2 (SR)	232.26 (	2,500)	1,637	(380)
Badging Facility	m2 (SR)	139.35 (	1,500)	4,101	(572)
Toxic Maintenance Bldg / Vehicle	m2 (SR)	1,073 (	11,550)	4,660	(5,080)
Warehouse	m2 (SR)	2,601 (	28,000)	1,214	(3,157)
Above Ground Magazines	m2 (SR)	2,230 (	24,000)	615.70	(1,313)
Below Ground Magazines	m2 (SR)	1,115 (	12,000)	1,386	(1,545)
IDS Installation	LS	--	--	--	(3,689)
Building Information Systems	LS	--	--	--	(863)
Total				165,539	

DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)  
 contract. Work includes a munitions demilitarization building (MDB) with blast containment areas, an adjoining control and support building, and a corridor connecting the munitions container handling building; MOB filters, SCWO process building, hydrolysis storage tank area, a utility building with steam boilers and chilled water equipment; bulk chemical storage area, a personnel and maintenance facility with change rooms, maintenance storage, and medical treatment area; a combination maintenance/warehouse building; personnel support building, gas mask storage building; chemical analysts laboratory with filter system, entry control facility, treaty compliance office building, access road and access control point, access control building, badge building, munitions storage magazines, toxic maintenance building, munitions transportation equipment storage building, and a fire station. Features include blast containment doors and gates, room entrance airlocks, fire detection and suppression systems, cascade heating, ventilation, and air conditioning (HVAC), charcoal and HEPA air filtration systems, protective clothing area, toxic chemical resistive coatings and surfaces, and explosion-proof electrical components, and an intrusion detection system (IDS). Supporting facilities include utilities; electric service with an electrical substation; standby electric generators; security fencing and

1. COMPONENT		FY 2011 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
ARMY				FEB 2013	
3. INSTALLATION AND LOCATION					
Blue Grass Army Depot, Kentucky					
4. PROJECT TITLE			5. PROJECT NUMBER		
Chemical Demolition/Decontamination Facility			C7004		
<u>DESCRIPTION OF PROPOSED CONSTRUCTION: (CONTINUED)</u>					
lighting; paving, walks, curbs and gutters; storm drainage; information systems; fuel storage; and site improvements.					
11. REQ:		NONE		SUBSTD: NONE	
PROJECT: Design and construct an Assembled Chemical Weapons Alternatives approved toxic chemical agent munitions demilitarization facility. (New Mission)					
REQUIREMENT: This project is required to demilitarize and dispose of the toxic chemical agents and munitions stored at the Blue Grass Army Depot (BGAD) Chemical Activity in a safe, environmentally acceptable manner. The Army submitted an implementation plan to Congress in March 2009 in response to a specific request which cites this facility as an integral and essential part of the chemical stockpile disposal program.					
CURRENT SITUATION: Rockets and projectiles containing lethal chemical agents are stored in igloos at the installation. Some of these munitions are currently deteriorating at an accelerated rate. These munitions are of no strategic value but they must be safely stored and inspected so that there is no risk to the public or the environment. The monitoring and surveillance costs for safe storage continue to accrue. No other acceptable disposal facilities are available.					
IMPACT IF NOT PROVIDED: If the Chemical Agent Destruction Pilot Plant project is not provided, the Army will not comply with the Congressional mandate for chemical munitions stockpile disposal. Also, maintenance and surveillance costs will continue to accumulate. The threat to the health of Depot employees and to the environment will continue.					
ADDITIONAL: This project has been coordinated with the installation physical security plan, and all required physical security measures are included. This project is mandated by Congress and is exempt from preparation of an economic analysis. Joint Use Certification: The Deputy Assistant Secretary of the Army (Installations and Housing) certifies that this project has been considered for joint use potential. This facility will be available for use by other components.					
12. ESTIMATED DESIGN DATA:					
A. Estimated Design Data:					
(1) Status:					
(a) Date Design Started.....		SEP 2013			
(b) Percent Complete As of January 2010.....		95.10			
(c) Date Asst Assigned.....		JUN 2010			
(d) Date Design Complete.....		NO			
(e) Parametric Cost Estimating Used to Develop Costs		NO			
(f) Type of Design Contract: Design-Build					

COMPONENT	BY 2011 MILITARY CONSTRUCTION PROJECT DATA	F.YEAR
ARMY		FY02 2011

INSTALLATION AND LOCATION

21st CENTURY Army Equip, Capacity

PROJECT TITLE	PROJECT NUMBER
Charles DeWitt Bookends Two Ph II	13824

13. SUPPLEMENTARY DATA (Continued)

A. Estimated Design Data (Continued)

- (c) Basis:
- (e) Basis of Preliminary Design: NO
- (3) Total Design Cost (c) + (a)+(d) OR (d)-(a): (300)
- (a) Provision of Plans and Specifications: \_\_\_\_\_
- (b) All Other Design Costs: \_\_\_\_\_
- (c) Total Design Cost: \_\_\_\_\_ 0
- (d) Contract: \_\_\_\_\_
- (e) In-Scope: \_\_\_\_\_
- (4) Construction Contract Award: \_\_\_\_\_ 628,206
- (5) Construction Start: \_\_\_\_\_ 08/2016
- (6) Construction Complete: \_\_\_\_\_ 03/2016

B. Equipment associated with this project which will be provided from other appropriations:

Equipment Requirements	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)
Process Equipment	OMM		157,150
Process Equipment	OMM		122,020
Process Equipment	OMM		158,440
Process Equipment	OMM		183,675
Process Equipment	OMM		727,997
<b>TOTAL</b>			<b>1,329,282</b>

1. CONCEPT NAME		2. 2011 MILITARY CONSTRUCTION PROGRAM				3. DATE FEB 2013	
1. INSTALLATION AND LOCATION Public Chemical Depot Colorado		4. CHARGE US Army Medical Command		5. MAIN CONSTRUCTION COST ITEMS 0.34			
6. RESOURCE SUMMARY							
		FINANCIAL		STIPENDS		PERSONNEL	
		OFFICER BELT CIVIL OFFICER BELT CIVIL OFFICER BELT CIVIL TOTAL					
A. AS OF 30 SEP 2009	1	1	217	0	0	1	0 899 1,218
B. END FY 2012	1	1	217	0	0	1	0 1002 2,112
7. EMPLOYEE DATA (\$000)							
A. TOTAL AREA.....			\$,257 BA	(21,121 AS)			1,784,578
B. EMPLOYEE TOTAL AS OF 30 SEP 2009.....							1,276,792
C. AUTOMATION NOT YET IN EMPLOYEE.....							0
D. AUTOMATION REQUESTED IN THIS PROGRAM.....							0
E. AUTOMATION EMPLOYED IN FOLLOWING PROGRAM.....							0
F. PLACED IN WAIT THESE YEARS.....							0
G. REMAINS EMPLOYED.....							11,240
H. GROSS TOTAL.....							1,988,034
8. PROJECT APPROPRIATIONS REQUESTED IN THIS PROGRAM.							
OFFICER PROJECT		PROJECT TITLE		COST (\$000)		START DATE	
216	6760	Chemical Depot Readiness Fee FY 2011		65,500	03/2011	04/2017	
				TOTAL	65,500		
9. FUTURE PROJECT APPROPRIATIONS:							
OFFICER		PROJECT TITLE		COST (\$000)			
A. INCLUDED IN THE FOLLOWING PROGRAM (FY 2012) :				15,218			
B. PLACED INTO FUTURE PROGRAM YEARS :				15,218			
C. DEFERRED SUPPLEMENT, RESTORATION, AND RECONSTRUCTION (200) :				N/A			
10. NOTES ON RISK FACTORS: The relation of the Public Chemical Depot is safe and secure storage, monitoring, and destruction of the chemical weapons, and preparation of depot closure.							
11. OTHER RISK FACTORS AND SAFETY DEFICIENCIES:							
A. AIR POLLUTION				(2000)	0		
B. WATER POLLUTION				0	0		
C. OCCUPATIONAL SAFETY AND HEALTH				0	0		

1. CONCRETE NAME		FY 2011 MILITARY CONSTRUCTION PROGRAM			2. DATE FEB 2010	
1. IDENTIFICATION AND LOCATION		4. CHARGED TO Army Medical Command		5. AREA CONSTRUCTION COST INDEX 0.82		
Plus Grand Army Depot Kentucky						
6. PERSONNEL STRENGTH, PERSONNEL STRENGTH APPROVED						
A. AS OF 30 SEP 2009		17	410	700	0	0
B. AS OF 30 SEP 2010		17	410	594	0	0
					16	80
					80	489
					1,596	
7. EXPENDITURE DATA (\$000)						
A. TOTAL AMBA.....		5,205 fm		(14,594 AC)		
B. EXPENDITURE TOTAL AS OF 30 SEP 2010.....		2,142,217				
C. APPROPRIATION NOT YET IN EXPENDITURE.....		0				
D. APPROPRIATION REQUESTED IN THIS PROGRAM.....		0				
E. APPROPRIATION INCURRED IN FELLOWING PROGRAM.....		0				
F. PLANNED IN NEXT THREE YEARS.....		0				
G. REMAINING INCURRED.....		0				
H. GRAND TOTAL.....		2,142,217				
8. PROJECT APPROPRIATIONS REQUESTED IN THIS PROGRAM.						
GENERAL PROJECT		PROJECT TITLE		CODE	ISSUE STATUS	
000	MS000			(0100)	START COMPLETE	
216	0704	Chapel Hill	Shedilla Pac Ph XI	59,402	09/2010	07/2010
		TOTAL		59,402		
9. OTHER PROJECT APPROPRIATIONS.						
GENERAL		PROJECT TITLE		CODE		
A. INCURRED IN THE FOLLOWING PROGRAM (FY 2011) .				70,288		
B. STAFFERS WERE THERE DURING YEAR .				147,146		
C. ISSUES MAINTENANCE, RESTORATION, AND RECONSTRUCTION (RMR) .				N/A		
10. HISTORY OF WATER PROBLEMS.						
To operate a water-purposc depot activity providing for the receipt, storage, issue and maintenance (control) of assigned commodities; provide transmission support to attached organizations; and operate such other facilities as may be assigned.						
11. OPERATIONAL PROBLEMS AND SAFETY EXPERIENCES.						
A. AIR POLLUTION		10000				
B. WATER POLLUTION		0				
C. OCCUPATIONAL SAFETY AND HEALTH		0				

This page intentionally left blank