

### **Deseret Chemical Depot, UT**

**Recommendation:** Close Deseret Chemical Depot, UT. Transfer the storage igloos and magazines to Tooele Army Depot, UT.

#### **Justification:**

- There is no additional chemical demilitarization workload slated to go to Deseret Chemical Depot.
- The projected date for completion of its existing workload is 2nd quarter of 2008.
- Because of the close proximity of Deseret Chemical Depot to Tooele Army Depot, the sophistication of the security system, the number and conditions of igloos and magazines, this recommendation increases the storage and distribution deployment network capability at Tooele Army Depot at a minimal cost

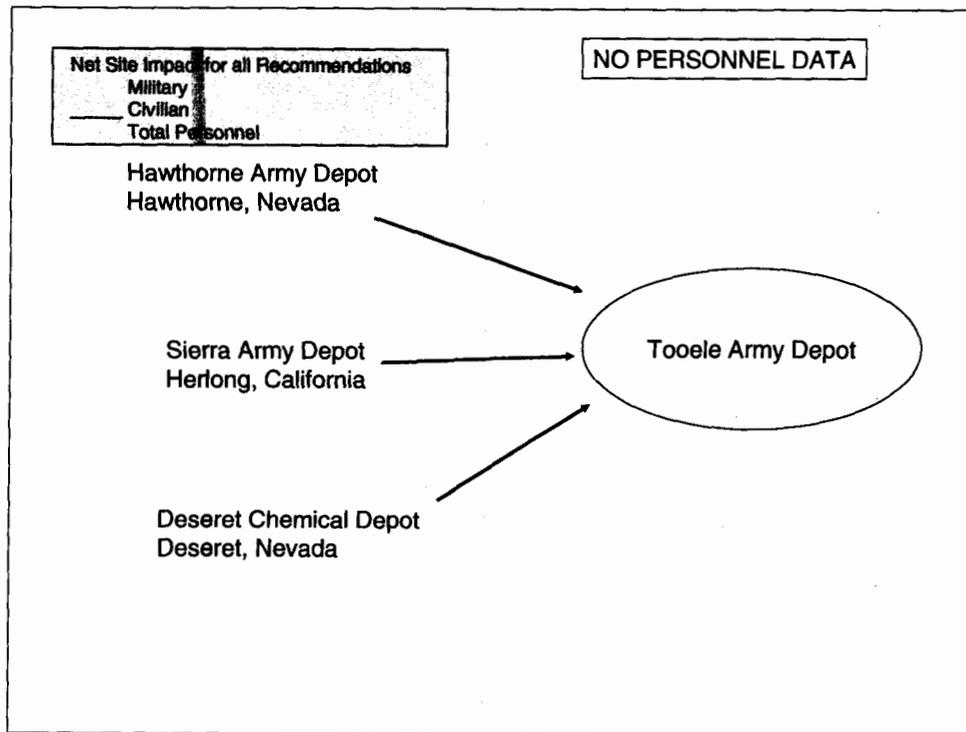
Net Site Impact for all Recommendations  
Military  
Civilian  
Total Personnel

NO PERSONNEL DATA

Close Deseret  
Chemical Depot



Tooele Army Depot  
Tooele, Utah



- Close Hawthorne Army Depot, NV. Relocate Storage and Demilitarization functions to Tooele Army Depot, UT.
- Close Deseret Chemical Depot, UT. Transfer the storage igloos and magazines to Tooele Army Depot, UT.
- Realign Sierra Army Depot, CA. Relocate Storage to Tooele Army Depot, NV

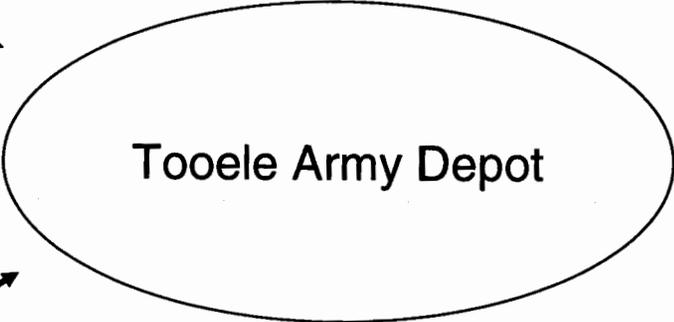
Net Site Impact for all Recommendations  
Military  
Civilian  
Total Personnel

NO PERSONNEL DATA

Hawthorne Army Depot  
Hawthorne, Nevada

Sierra Army Depot  
Herlong, California

Deseret Chemical Depot  
Deseret, Nevada



implementation are \$17.3M with a payback expected within 1 year. The Net Present Value of the costs and savings to the Department over 20 years is a savings of \$164.2M.

**Economic Impact on Communities:** Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 229 jobs (149 direct jobs and 80 indirect jobs) over the period of 2006-2011 in the Texarkana, TX-Texarkana, AR Metropolitan Statistical Area, which is 0.3 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

**Community Infrastructure Assessment:** A review of community attributes indicates no issues regarding the ability of the infrastructure of the community to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

**Environmental Impact:** Surveys and consultation with the State Historic Preservation Officer will be required at Lone Star to ensure protection of cultural resources. Remediation of munitions contaminants on three operational ranges may be required at Lone Star. Continued management and/or deed restrictions at Lone Star may be necessary to ensure future protection of federally listed species. Restoration, monitoring/sweeps, access controls, and/or deed restrictions may be required to prevent disturbance and health/safety risks and/or long-term release of toxins to environmental media. Restoration and/or monitoring of contaminated media may be required after closure in order to prevent significant long-term impacts to the environment. Lone Star has an industrial wastewater treatment plan that may require closure. This recommendation has no impact on air quality; dredging; marine mammals, resources, or sanctuaries; noise; or wetlands. This recommendation will require spending approximately \$5.4M for environmental compliance activities. This cost was included in the payback calculation. Lone Star reports approximately \$2.7M in environmental restoration costs. Because the Department of Defense has a legal obligation to perform environmental restoration regardless of whether an installation is closed, realigned, or remains open, this cost was not included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

### **Deseret Chemical Depot, UT**

**Recommendation:** Close Deseret Chemical Depot, UT. Transfer the storage igloos and magazines to Tooele Army Depot, UT.

**Justification:** There is no additional chemical demilitarization workload slated to go to Deseret Chemical Depot. The projected date for completion of its existing workload is 2nd quarter of 2008. Because of the close proximity of Deseret Chemical Depot to Tooele Army Depot, the sophistication of the security system, the number and conditions of igloos and magazines, this

recommendation increases the storage and distribution deployment network capability at Tooele Army Depot at a minimal cost.

**Payback:** The total one time cost to the Department of Defense to implement this recommendation is \$4.4M. The net of all costs and savings to the Department during the implementation period is a savings of \$65.1M. Annual recurring savings to the Department after implementation are \$30.3M with a payback expected immediately. The Net present value of the costs and savings to the Department over 20 years is a savings of \$356.4M.

**Economic Impact on Communities:** Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 391 jobs (248 direct jobs and 143 indirect jobs) over the 2006 – 2011 period in the Salt Lake City, UT metropolitan statistical area, which is less than 0.1 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

**Community Infrastructure Assessment:** A review of community attributes indicates no issues regarding the ability of the infrastructure of the community to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting the installations in this recommendation.

**Environmental Impact:** Surveys and consultation with the SHPO will be required to determine disposition of archaeological and historical resources. Continued management and or deed restrictions will be necessary to ensure future protection of the federally listed species. Restoration, monitoring, access control, and deed restrictions may be required for former waste management areas to prevent disturbance, health and safety risks, and/or long term release of toxins to environmental media. Restoration and monitoring of contaminated sites will likely be required after closure to prevent significant long-term impacts to the environment. This recommendation has no impact on air quality; dredging; land use constraints or sensitive resource areas; marine mammals, resources, or sanctuaries; noise; threatened and endangered species or critical habitat; water resources; or wetlands. This recommendation will require spending approximately \$1.3M for environmental compliance activities. This cost was included in the payback calculation. Deseret Chemical Depot reports approximately \$66.9M in environmental restoration costs. Because the Department of Defense has a legal obligation to perform environmental restoration regardless of whether an installation is closed, realigned, or remains open, this cost was not included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

#### **Ship Intermediate Maintenance Activity Norfolk, VA**

**Recommendation:** Realign Ship Intermediate Maintenance Activity (SIMA) Norfolk, VA, by relocating intermediate ship maintenance function to Naval Shipyard Norfolk, VA.

**Pendaflex**

Essaie

48430

30%

P4



## IJCSG - Munitions / Armaments Capacity Report

<i>Function</i>	<i>Site</i>	<i>Current Capacity*</i>	<i>Current Usage*</i>	<i>Maximum Capacity*</i>	<i>Capacity Required To Surge*</i>	<i>Capacity Available to Surge/Excess Capacity*</i>
<b>MUNITIONS STORAGE</b>						
	ANNISTON ARMY DEPOT	3,296.4	2,293.9	3,296.4	0	1,002.5
	BLUE GRASS ARMY DEPOT	6,021.0	4,817.4	6,021.0	0	1,203.6
	CRANE ARMY AMMUNITION ACTIVITY	8,020.8	5,721.3	8,020.8	0	2,299.5
	DESERET CHEMICAL DEPOT	909.0	709.0	909.0	0	200.0
	HAWTHORNE ARMY DEPOT	9,738.0	5,603.0	9,738.0	0	4,135.0
	HOLSTON AAP	405.8	90.6	405.8	0	315.2
	IOWA AAP	1,148.8	503.4	1,148.8	0	645.4
	KANSAS ARMY AMMUNITION PLANT	1,238.5	895.9	1,238.5	0	342.6
	LAKE CITY AAP	1,094.0	1,094.0	1,094.0	0	0.0
	LETTERKENNY ARMY DEPOT	3,613.4	2,472.2	3,613.4	0	1,141.2
	LONE STAR AAP	1,030.6	824.5	1,030.6	0	206.1
	LOUISIANA AAP	350.0	270.4	350.0	0	79.6
	MCALESTER AAP	10,637.1	6,522.0	10,637.1	0	4,115.1
	MILAN AAP	3,258.1	829.9	3,258.1	0	2,428.2
	MISSISSIPPI AAP	105.4	0.0	105.4	0	105.4
	NEWPORT CHEM DEPOT	11.6	11.6	11.6	0	0.0
	PINE BLUFF ARSENAL	4,192.2	3,794.4	4,192.2	0	397.8
	PUEBLO CHEM DEPOT	1,475.2	161.6	1,475.2	0	1,313.6

\* Capacity is measured in ksf

Report Date: Thursday, April 21, 2005

Database Date: April 18, 2005

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## ***IJCSG - Munitions / Armaments Capacity Report***

<i>Function</i>	<i>Site</i>	<i>Current Capacity*</i>	<i>Current Usage*</i>	<i>Maximum Capacity*</i>	<i>Capacity Required To Surge*</i>	<i>Capacity Available to Surge/Excess Capacity*</i>
<b>MUNITIONS STORAGE</b>						
	RADFORD AAP	921.2	641.6	921.2	0	279.6
	RED RIVER ARMY DEPOT	2,747.6	1,732.9	2,747.6	0	1,014.7
	SIERRA ARMY DEPOT	5,649.5	1,019.0	5,649.5	0	4,630.5
	TOOELE ARMY DEPOT	5,239.6	3,265.0	5,239.6	0	1,974.6
	UMATILLA CHEM DEPOT	2,457.7	728.1	2,457.7	0	1,729.6

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## *IJCSG Summary Military Value Report for Munitions*

*Activity:*

*Score:*

### *Storage and Distribution*

<b>MCALESTER AAP</b>	<b>0.6168</b>
<b>HAWTHORNE ARMY DEPOT</b>	<b>0.5789</b>
<b>CRANE ARMY AMMUNITION ACTIVITY</b>	<b>0.4131</b>
<b>RED RIVER ARMY DEPOT</b>	<b>0.3298</b>
<b>TOOELE ARMY DEPOT</b>	<b>0.3282</b>
<b>SIERRA ARMY DEPOT</b>	<b>0.2879</b>
<b>BLUE GRASS ARMY DEPOT</b>	<b>0.2607</b>
<b>LOUISIANA AAP</b>	<b>0.2441</b>
<b>ANNISTON ARMY DEPOT</b>	<b>0.1803</b>
<b>LETTERKENNY ARMY DEPOT</b>	<b>0.1671</b>

*Database Date: 4/18/2005*

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## ***IJCSG Summary Military Value Report for Munitions***

<b><i>Activity:</i></b>	<b><i>Score:</i></b>
UMATILLA CHEM DEPOT	0.1280
MILAN AAP	0.1117
IOWA AAP	0.0642
PINE BLUFF ARSENAL	0.0409
RADFORD AAP	0.0377
LAKE CITY AAP	0.0375
PUEBLO CHEM DEPOT	0.0332
DESERET CHEMICAL DEPOT	0.0268
KANSAS ARMY AMMUNITION PLANT	0.0231
NEWPORT CHEM DEPOT	0.0205
LONE STAR AAP	0.0090
HOLSTON AAP	0.0024

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2  
 Data As Of 4/25/2005 8:45:34 AM, Report Created 4/25/2005 8:45:36 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Starting Year : 2006  
 Final Year : 2010  
 Payback Year : Immediate

NPV in 2025(\$K): -356,362  
 1-Time Cost(\$K): 4,368

Net Costs in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	0	-8,336	-20,493	-28,829	-20,493
Overhd	-5,002	-5,002	-5,002	-5,002	-8,871	-9,108	-37,986	-9,833
Moving	0	0	0	0	461	0	461	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	1,300	0	1,300	0
<b>TOTAL</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-15,445</b>	<b>-29,602</b>	<b>-65,054</b>	<b>-30,326</b>

	2006	2007	2008	2009	2010	2011	Total
<b>POSITIONS ELIMINATED</b>							
Off	0	0	0	0	3	0	3
Enl	0	0	0	0	183	0	183
Civ	0	0	0	0	62	0	62
<b>TOT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>248</b>	<b>0</b>	<b>248</b>

	2006	2007	2008	2009	2010	2011	Total
<b>POSITIONS REALIGNED</b>							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
<b>TOT</b>	<b>0</b>						

Summary:

-----  
 Close Deseret Chemical Depot. Transfer the storage igloos and magazines to Tooele Army Depot.

Department : Industrial  
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Costs in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	----	----
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	0	2,369	0	2,369	0
Overhd	0	0	0	0	237	0	237	0
Moving	0	0	0	0	461	0	461	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	1,300	0	1,300	0
TOTAL	0	0	0	0	4,368	0	4,368	0

Savings in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	----	----
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	0	10,705	20,493	31,198	20,493
Overhd	5,002	5,002	5,002	5,002	9,108	9,108	38,223	9,833
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	5,002	5,002	5,002	5,002	19,813	29,602	69,422	30,326

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10)  
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 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

Base	Personnel			
	Start*	Finish*	Change	%Change
DESERET DEPOT	248	0	-248	-100%
TOTAL	248	0	-248	-100%

Base	Square Footage				
	Start	Finish	Change	%Change	Chg/Per
DESERET DEPOT	1,317,000	0	-1,317,000	-100%	5,310
TOTAL	1,317,000	0	-1,317,000	-100%	5,310

Base	Base Operations Support (2005\$)				
	Start*	Finish*	Change	%Change	Chg/Per
DESERET DEPOT	0	0	0	0%	0
TOTAL	0	0	0	0%	0

Base	Sustainment (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
DESERET DEPOT	4,831,248	0	-4,831,248	-100%	19,481
TOTAL	4,831,248	0	-4,831,248	-100%	19,481

Base	Recapitalization (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
DESERET DEPOT	5,001,728	0	-5,001,728	-100%	20,168
TOTAL	5,001,728	0	-5,001,728	-100%	20,168

Base	Sustain + Recap + BOS (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
DESERET DEPOT	9,832,976	0	-9,832,976	-100%	39,649
TOTAL	9,832,976	0	-9,832,976	-100%	39,649

Base	Plant Replacement Value (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
DESERET DEPOT	515,178,032	0	-515,178,032	-100%	2,077,331
TOTAL	515,178,032	0	-515,178,032	-100%	2,077,331

\* "Start" and "Finish" values for Personnel and BOS both include the Programmed Installation Population (non-BRAC) Changes, so that only changes attributable to the BRAC action are reflected in the "Change" columns of this report.

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 1/6  
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ONE-TIME COSTS -----(\$K)-----	2006 ----	2007 ----	2008 ----	2009 ----	2010 ----	2011 ----	Total -----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	0	0	0	1,435	0	1,435
Civ Retire	0	0	0	0	60	0	60
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPP	0	0	0	0	461	0	461
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	0	111	0	111
OTHER							
Info Tech	0	0	0	0	0	0	0
Prog Manage	0	0	0	0	0	0	0
Supt Contract	0	0	0	0	0	0	0
Mothball	0	0	0	0	237	0	237
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	763	0	763
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	1,300	0	1,300
Misc Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	4,368	0	4,368

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 2/6  
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RECURRINGCOSTS	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COST	0	0	0	0	4,368	0	4,368	0
ONE-TIME SAVES	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
1-Time Move	0	0	0	0	0	0	0	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
Environmental	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	0	0	0	0	0	
RECURRINGSAVES	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	4,106	4,106	8,213	4,831
Recap	5,002	5,002	5,002	5,002	5,002	5,002	30,010	5,002
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	2,061	4,123	6,184	4,123
MIL PERSONNEL								
Off Salary	0	0	0	0	187	375	562	375
Enl Salary	0	0	0	0	7,539	15,079	22,618	15,079
House Allow	0	0	0	0	917	917	1,833	917
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	5,002	5,002	5,002	5,002	19,813	29,602	69,422	30,326
TOTAL SAVINGS	5,002	5,002	5,002	5,002	19,813	29,602	69,422	30,326

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 3/6  
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ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	
<b>O&amp;M</b>								
Civ Retir/RIF	0	0	0	0	1,495	0	1,495	
Civ Moving	0	0	0	0	461	0	461	
Info Tech	0	0	0	0	0	0	0	
Other	0	0	0	0	348	0	348	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	0	763	0	763	
<b>OTHER</b>								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	0	1,300	0	1,300	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
<b>TOTAL ONE-TIME</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,368</b>	<b>0</b>	<b>3,068</b>	
<b>RECURRING NET</b>								
-----(\$K)-----	----	----	----	----	----	----	-----	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
Sustainment	0	0	0	0	-4,106	-4,106	-8,213	-4,831
Recap	-5,002	-5,002	-5,002	-5,002	-5,002	-5,002	-30,010	-5,002
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	-2,061	-4,123	-6,184	-4,123
TRICARE	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	0	-7,727	-15,454	-23,181	-15,454
House Allow	0	0	0	0	-917	-917	-1,833	-917
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
<b>TOTAL RECUR</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-19,813</b>	<b>-29,602</b>	<b>-69,422</b>	<b>-30,326</b>
<b>TOTAL NET COST</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-15,445</b>	<b>-29,602</b>	<b>-65,054</b>	<b>-30,326</b>

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 4/6  
 Data As Of 4/25/2005 8:45:34 AM, Report Created 4/25/2005 8:45:36 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: DESERET DEPOT, UT (49173)

ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	----	----	----	----	----	----	-----
<b>CONSTRUCTION</b>							
MILCON	0	0	0	0	0	0	0
<b>O&amp;M</b>							
<b>CIV SALARY</b>							
Civ RIFs	0	0	0	0	1,435	0	1,435
Civ Retire	0	0	0	0	60	0	60
<b>CIV MOVING</b>							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPP	0	0	0	0	461	0	461
RITA	0	0	0	0	0	0	0
<b>FREIGHT</b>							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	0	111	0	111
<b>OTHER</b>							
Info Tech	0	0	0	0	0	0	0
Prog Manage	0	0	0	0	0	0	0
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	0	237	0	237
1-Time Move	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>							
<b>MIL MOVING</b>							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
<b>OTHER</b>							
Elim PCS	0	0	0	0	763	0	763
<b>OTHER</b>							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	1,300	0	1,300
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
<b>TOTAL ONE-TIME</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4,368</b>	<b>0</b>	<b>4,368</b>

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: DESERET DEPOT, UT (49173)

RECURRINGCOSTS -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL COSTS	0	0	0	0	4,368	0	4,368	0
ONE-TIME SAVES -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
1-Time Move	0	0	0	0	0	0	0	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
Environmental	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	0	0	0	0	0	
RECURRINGSAVES -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	4,106	4,106	8,213	4,831
Recap	5,002	5,002	5,002	5,002	5,002	5,002	30,010	5,002
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	2,061	4,123	6,184	4,123
MIL PERSONNEL								
Off Salary	0	0	0	0	187	375	562	375
Enl Salary	0	0	0	0	7,539	15,079	22,618	15,079
House Allow	0	0	0	0	917	917	1,833	917
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	5,002	5,002	5,002	5,002	19,813	29,602	69,422	30,326
TOTAL SAVINGS	5,002	5,002	5,002	5,002	19,813	29,602	69,422	30,326

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 6/6  
 Data As Of 4/25/2005 8:45:34 AM, Report Created 4/25/2005 8:45:36 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: DESERET DEPOT, UT (49173)

ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
----(\$K)----	----	----	----	----	----	----	----	----
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
Civ Retir/RIF	0	0	0	0	1,495	0	1,495	
Civ Moving	0	0	0	0	461	0	461	
Info Tech	0	0	0	0	0	0	0	
Other	0	0	0	0	348	0	348	
MIL PERSONNEL								
Mil Moving	0	0	0	0	763	0	763	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	0	1,300	0	1,300	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	0	0	4,368	0	4,368	
RECURRING NET	2006	2007	2008	2009	2010	2011	Total	Beyond
----(\$K)----	----	----	----	----	----	----	----	----
FAM HOUSE OPS								
O&M								
Sustainment	0	0	0	0	-4,106	-4,106	-8,213	-4,831
Recap	-5,002	-5,002	-5,002	-5,002	-5,002	-5,002	-30,010	-5,002
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	-2,061	-4,123	-6,184	-4,123
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	-7,727	-15,454	-23,181	-15,454
House Allow	0	0	0	0	-917	-917	-1,833	-917
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	-5,002	-5,002	-5,002	-5,002	-19,813	-29,602	-69,422	-30,326
TOTAL NET COST	-5,002	-5,002	-5,002	-5,002	-15,445	-29,602	-65,054	-30,326

COBRA ECONOMIC IMPACT REPORT (COBRA v6.10)  
 Data As Of 4/25/2005 8:45:34 AM, Report Created 4/25/2005 8:45:36 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

DESERET DEPOT, UT (49173)	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	0	0	0	0	186	0	186
NET CHANGE-Mil	0	0	0	0	-186	0	-186
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	0	0	0	0	62	0	62
NET CHANGE-Civ	0	0	0	0	-62	0	-62
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	0	0	0	0	0

SCENARIO ERROR REPORT (COBRA v6.10)  
Data As Of 4/25/2005 8:45:34 AM, Report Created 4/25/2005 8:45:35 AM

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical  
Depot\_04202005.CBR  
Option Pkg Name: Close Deseret Chemical Depot  
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

SCENARIO DATA:

"Industrial" is not a recognized Department.

COBRA INPUT DATA REPORT (COBRA v6.10)  
 Data As Of 4/25/2005 8:45:34 AM, Report Created 4/25/2005 8:45:35 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

Model Year One : FY 2006  
 Model does Time-Phasing of Construction/Shutdown: Yes

Base Name, ST (Code)	Strategy:
-----	-----
DESERET DEPOT, UT (49173)	Closes in FY 2010

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: DESERET DEPOT, UT (49173)

Total Officer Employees:	3	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	183	Total Sustainment(\$K/Year):	4,831
Total Student Employees:	0	Sustain Payroll (\$K/Year):	0
Total Civilian Employees:	308	BOS Non-Payroll (\$K/Year):	0
Accomp Mil not Receiving BAH:	0.0%	BOS Payroll (\$K/Year):	0
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	0
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	515,178
Starting Facilities(KSF):	1,317	Svc/Agcy Recap Rate (Years):	103
Officer BAH (\$/Month):	981	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	737		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	1.05		Admits Visits Prescrip
Per Diem Rate (\$/Day):	119	CostFactor	0.00 0.00 0.00
Freight Cost (\$/Ton/Mile):	0.33	Actv MTF	0 0 0
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	0 0 0
Latitude:	40.451389	Retiree	0 0 0
Longitude:	-112.618056	Retiree65+	0 0 0

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: DESERET DEPOT, UT (49173)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	0	0	0	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	0	0	0	0	0	0
1-Time Moving Save (\$K):	0	0	0	0	0	0
Env Non-MilCon Reqd(\$K):	0	0	0	0	1,300	0
Activ Mission Cost (\$K):	0	0	0	0	0	0
Activ Mission Save (\$K):	0	0	0	0	0	0
Misn Contract Start(\$K):	0	0	0	0	0	0
Misn Contract Term (\$K):	0	0	0	0	0	0
Supt Contract Term (\$K):	0	0	0	0	0	0
Misc Recurring Cost(\$K):	0	0	0	0	0	0
Misc Recurring Save(\$K):	0	0	0	0	0	0
One-Time IT Costs (\$K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc(\$K):	0	0	0	0	0	0
Procurement Avoidnc(\$K):	0	0	0	0	0	0
MTF Closure Action:	None	Fac ShDn(KSF):		1,317	FH ShDn:	0.000%

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: DESERET DEPOT, UT (49173)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	0	0	-3	0
Enl Scenario Change:	0	0	0	0	-183	0
Civ Scenario Change:	0	0	0	0	-62	0
Off Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	0	0	0	0	0	0
Civ Prog nonBRAC Change:	0	0	-246	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	0%	0%	0%	0%	0%	0%

STANDARD FACTORS SCREEN ONE - PERSONNEL

SF File Descrip:

Perc Officers Accompanied:	72.00%	Priority Placement Program:	39.97%
Perc Enlisted Accompanied:	55.00%	PPP Actions Involving PCS:	50.70%
Officer Salary(\$/Year):	124,971.93	Civilian PCS Costs (\$):	35,496.00
Enlisted Salary(\$/Year):	82,399.09	Home Sale Reimburse Rate:	10.00%
Civilian Salary(\$/Year):	59,959.18	Max Home Sale Reimburs(\$):	50,000.00
Avg Unemploy Cost(\$/Week):	272.90	Home Purch Reimburse Rate:	5.00%
Unemployment Eligibility(Weeks):	16	Max Home Purch Reimburs(\$):	25,000.00
Civilians Not Willing To Move:	6.00%	Civilian Homeowning Rate:	68.40%
Civilian Turnover Rate:	9.16%	HAP Home Value Reimburse Rate:	13.46%
Civilian Early Retire Rate:	8.10%	HAP Homeowner Receiving Rate:	18.44%
Civilian Regular Retire Rate:	1.67%	RSE Home Value Reimburse Rate:	0.00%
Civilian RIF Pay Factor:	86.32%	RSE Homeowner Receiving Rate:	0.00%
Civ Early Retire Pay Factor:	18.03%		

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

STANDARD FACTORS SCREEN TWO - FACILITIES

	Army	Navy	Air Force	Marines
Service Sustainment Rate	87.00%	93.00%	92.00%	97.00%
Unit Cost Adjustment (BOS)	10332.00	8879.00	3032.00	3904.00
Program Management Factor:	10.00	MilCon Site Prep Cost (\$/SF):	0.74	
Mothball (Close) (\$/SF):	0.18	MilCon Contingency Plan Rate:	5.00%	
Mothball (Deac/Reain) (\$/SF):	0.45	MilCon Design Rate (Medical):	13.00%	
Rehab vs. MilCon (Default):	47.00%	MilCon Design Rate (Other):	9.00%	
Rehab vs. MilCon (Red):	64.00%	MilCon SIOH Rate:	6.00%	
Rehab vs. MilCon (Amber):	29.00%	Discount Rate for NPV/Payback:	2.80%	

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

Material/Assigned Mil (Lb):	710	Storage-In-Transit (\$/Pers):	373.76
HHG Per Off Accomp (Lb):	15,290.00	POV Reimburse(\$/Mile):	0.20
HHG Per Enl Accomp (Lb):	9,204.00	Air Transport (\$/Pass Mile):	0.20
HHG Per Off Unaccomp (Lb):	13,712.00	IT Connect (\$/Person):	200.00
HHG Per Enl Unaccomp (Lb):	6,960.00	Misc Exp(\$/Direct Employee):	1,000.00
HHG Per Civilian (Lb):	18,000.00	Avg Mil Tour Length (Months):	30.02
Total HHG Cost (\$/100Lb):	8.78	One-Time Off PCS Cost(\$):	10,477.58
Equip Pack & Crate(\$/Ton):	180.67	One-Time Enl PCS Cost(\$):	3,998.52

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
Option Pkg Name: Close Deseret Chemical Depot  
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

FOOTNOTES FOR SCREEN ONE

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Close Deseret Chemical Depot. Transfer the storage igloos and magazines to Tooele Army Depot.

FOOTNOTES FOR SCREEN FIVE

=====

FY 10 \$1,300K: From page 4 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs"; for environmental baseline survey (EBS) and disposal environmental impact statement (EIS); FY 10 was selected because that is year in which the chem demil mission is scheduled to end

1,317 KSF: Fac ShDn is derived from Screen Four - static base information for "Starting Facilities"

FOOTNOTES FOR SCREEN SIX

=====

OFF/ENL/CIV Scenario Change numbers are derived from Screen Four - Total Officer Employees, Total Enlisted Employees, and Total Civilian Employees

CIV PROG NON-BRAC CHANGE number in 2008 is the result of a previously planned chem demil achievement that will allow for a lower level of physical security

TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)  
Data As Of 4/25/2005 8:45:34 AM, Report Created 4/25/2005 8:45:36 AM

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
Option Pkg Name: Close Deseret Chemical Depot  
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

All values in 2005 Constant Dollars

Base Name	Total MilCon*	Milcon Cost Avoidance	Total Net Costs
DESERET DEPOT	0	0	0
Totals:	0	0	0

\* All MilCon Costs include Design, Site Preparation, Contingency Planning, and SIOH Costs where applicable.

COBRA NET PRESENT VALUES REPORT (COBRA v6.10)  
 Data As Of 4/25/2005 8:45:34 AM, Report Created 4/25/2005 8:45:36 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical  
 Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Year	Cost(\$)	Adjusted Cost(\$)	NPV(\$)
2006	-5,001,728	-4,933,141	-4,933,141
2007	-5,001,728	-4,798,775	-9,731,917
2008	-5,001,728	-4,668,070	-14,399,986
2009	-5,001,728	-4,540,924	-18,940,910
2010	-15,445,542	-13,640,621	-32,581,531
2011	-29,601,700	-25,430,478	-58,012,009
2012	-30,326,387	-25,343,432	-83,355,441
2013	-30,326,387	-24,653,144	-108,008,585
2014	-30,326,387	-23,981,658	-131,990,243
2015	-30,326,387	-23,328,461	-155,318,704
2016	-30,326,387	-22,693,055	-178,011,759
2017	-30,326,387	-22,074,956	-200,086,715
2018	-30,326,387	-21,473,693	-221,560,408
2019	-30,326,387	-20,888,806	-242,449,215
2020	-30,326,387	-20,319,851	-262,769,065
2021	-30,326,387	-19,766,392	-282,535,457
2022	-30,326,387	-19,228,007	-301,763,464
2023	-30,326,387	-18,704,287	-320,467,752
2024	-30,326,387	-18,194,832	-338,662,584
2025	-30,326,387	-17,699,253	-356,361,837

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical  
 Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	1,434,956	
Civilian Early Retirement	59,945	
Eliminated Military PCS	763,162	
Unemployment	111,275	
Total - Personnel		2,369,338
Overhead		
Program Management Cost	0	
Support Contract Termination	0	
Mothball / Shutdown	237,060	
Total - Overhead		237,060
Moving		
Civilian Moving	0	
Civilian PPP	461,448	
Military Moving	0	
Freight	0	
Information Technologies	0	
One-Time Moving Costs	0	
Total - Moving		461,448
Other		
HAP / RSE	0	
Environmental Mitigation Costs	1,300,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		1,300,000
Total One-Time Costs		4,367,846
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
Total One-Time Savings		0
Total Net One-Time Costs		4,367,846

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical  
 Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

Base: DESERET DEPOT, UT (49173)  
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
-----	----	-----
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	1,434,956	
Civilian Early Retirement	59,945	
Eliminated Military PCS	763,162	
Unemployment	111,275	
Total - Personnel		2,369,338
Overhead		
Program Management Cost	0	
Support Contract Termination	0	
Mothball / Shutdown	237,060	
Total - Overhead		237,060
Moving		
Civilian Moving	0	
Civilian PPP	461,448	
Military Moving	0	
Freight	0	
Information Technologies	0	
One-Time Moving Costs	0	
Total - Moving		461,448
Other		
HAP / RSE	0	
Environmental Mitigation Costs	1,300,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		1,300,000
-----	-----	-----
Total One-Time Costs		4,367,846
-----	-----	-----
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
-----	-----	-----
Total One-Time Savings		0
-----	-----	-----
Total Net One-Time Costs		4,367,846

COBRA SUSTAINMENT/RECAP/BOS/HOUSING CHANGE REPORT (COBRA v6.10)  
 Data As Of 4/25/2005 8:45:34 AM, Report Created 4/25/2005 8:45:36 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical  
 Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Net Change(\$K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	0	0	0	-4,106	-4,106	-8,213	-4,831
Recap Change	-5,002	-5,002	-5,002	-5,002	-5,002	-5,002	-30,010	-5,002
BOS Change	0	0	0	0	0	0	0	0
Housing Change	0	0	0	0	0	0	0	0
<b>TOTAL CHANGES</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-9,108</b>	<b>-9,108</b>	<b>-38,223</b>	<b>-9,833</b>

DESERET DEPOT, UT (49173)

Net Change(\$K)	2006	2007	2008	2009	2010	2011	Total	Beyond
Sustain Change	0	0	0	0	-4,106	-4,106	-8,213	-4,831
Recap Change	-5,002	-5,002	-5,002	-5,002	-5,002	-5,002	-30,010	-5,002
BOS Change	0	0	0	0	0	0	0	0
Housing Change	0	0	0	0	0	0	0	0
<b>TOTAL CHANGES</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-5,002</b>	<b>-9,108</b>	<b>-9,108</b>	<b>-38,223</b>	<b>-9,833</b>

TOTAL COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 1/2  
 Data As Of 4/25/2005 8:45:34 AM, Report Created 4/25/2005 8:45:36 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	8.10%	0	0	0	0	0	0	0
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	62	0	62
Early Retirement	8.10%	0	0	0	0	5	0	5
Regular Retirement	1.67%	0	0	0	0	1	0	1
Civilian Turnover	9.16%	0	0	0	0	6	0	6
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	4	0	4
Priority Placement#	39.97%	0	0	0	0	25	0	25
Civilians Available to Move		0	0	0	0	21	0	21
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	21	0	21
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIREMENTS		0	0	0	0	5	0	5
TOTAL CIVILIAN RIFs		0	0	0	0	25	0	25
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	25	0	25
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

\* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

# Not all Priority Placements involve a Permanent Change of Station. The rate of PPP placements involving a PCS is 50.70%

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: DESERET DEPOT, UT (49173)Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT	0	0	0	0	0	0	0
Early Retirement* 8.10%	0	0	0	0	0	0	0
Regular Retirement* 1.67%	0	0	0	0	0	0	0
Civilian Turnover* 9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)* 6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)	0	0	0	0	0	0	0
Civilian Positions Available	0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED	0	0	0	0	62	0	62
Early Retirement 8.10%	0	0	0	0	5	0	5
Regular Retirement 1.67%	0	0	0	0	1	0	1
Civilian Turnover 9.16%	0	0	0	0	6	0	6
Civs Not Moving (RIFs)* 6.00%	0	0	0	0	4	0	4
Priority Placement# 39.97%	0	0	0	0	25	0	25
Civilians Available to Move	0	0	0	0	21	0	21
Civilians Moving	0	0	0	0	0	0	0
Civilian RIFs (the remainder)	0	0	0	0	21	0	21
CIVILIAN POSITIONS REALIGNING IN	0	0	0	0	0	0	0
Civilians Moving	0	0	0	0	0	0	0
New Civilians Hired	0	0	0	0	0	0	0
Other Civilian Additions	0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS	0	0	0	0	5	0	5
TOTAL CIVILIAN RIFs	0	0	0	0	25	0	25
TOTAL CIVILIAN PRIORITY PLACEMENTS#	0	0	0	0	25	0	25
TOTAL CIVILIAN NEW HIRES	0	0	0	0	0	0	0

\* Early Retirements, Regular Retirements, Civilian Turnover, and Civilians Not Willing to Move are not applicable for moves under fifty miles.

# Not all Priority Placements involve a Permanent Change of Station. The rate of PPP placements involving a PCS is 50.70%

COBRA PERSONNEL YEARLY PERCENTAGES REPORT (COBRA v6.10)  
 Data As Of 4/25/2005 8:45:34 AM, Report Created 4/25/2005 8:45:36 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical  
 Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: DESERET DEPOT, UT (49173)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	40.00%	0	0.00%	0.00%
2007	0	0.00%	20.00%	0	0.00%	0.00%
2008	0	0.00%	20.00%	0	0.00%	0.00%
2009	0	0.00%	20.00%	0	0.00%	0.00%
2010	0	0.00%	0.00%	248	100.00%	100.00%
2011	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	248	100.00%	100.00%

COBRA TOTAL PERSONNEL SUMMARY REPORT (COBRA v6.10)  
 Data As Of 4/25/2005 8:45:34 AM, Report Created 4/25/2005 8:45:36 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

TOTAL SCENARIO POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
3	183	0	308

TOTAL PROGRAMMED INSTALLATION (NON-BRAC) CHANGES, ENTIRE SCENARIO:

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	0	-246	0	0	0	-246
TOTAL	0	0	-246	0	0	0	-246

TOTAL SCENARIO POPULATION (FY 2005, Prior to BRAC Action):

Officers	Enlisted	Students	Civilians
3	183	0	62

TOTAL PERSONNEL REALIGNMENTS, ENTIRE SCENARIO):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0

TOTAL SCENARIO POSITION CHANGES, ENTIRE SCENARIO:

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	-3	0	-3
Enlisted	0	0	0	0	-183	0	-183
Civilians	0	0	0	0	-62	0	-62
TOTAL	0	0	0	0	-248	0	-248

TOTAL SCENARIO POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
0	0	0	0

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0117 Close Deseret Chem Depot\Close Deseret Chemical Depot\_04202005.CBR  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

PERSONNEL SUMMARY FOR: DESERET DEPOT, UT (49173)

BASE POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
----- 3	----- 183	----- 0	----- 308

PROGRAMMED INSTALLATION (NON-BRAC) CHANGES FOR: DESERET DEPOT, UT (49173)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Students	0	0	0	0	0	0	0
Civilians	0	0	-246	0	0	0	-246
TOTAL	0	0	-246	0	0	0	-246

BASE POPULATION (Prior to BRAC Action) FOR: DESERET DEPOT, UT (49173)

Officers	Enlisted	Students	Civilians
----- 3	----- 183	----- 0	----- 62

SCENARIO POSITION CHANGES FOR: DESERET DEPOT, UT (49173)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	-3	0	-3
Enlisted	0	0	0	0	-183	0	-183
Civilians	0	0	0	0	-62	0	-62
TOTAL	0	0	0	0	-248	0	-248

BASE POPULATION (After BRAC Action) FOR: DESERET DEPOT, UT (49173)

Officers	Enlisted	Students	Civilians
----- 0	----- 0	----- 0	----- 0

## Economic Impact Report

This report depicts the economic impact of the following Scenarios:

IND-0117: Close Deseret Chemical Depot

The data in this report is rolled up by Region of Influence

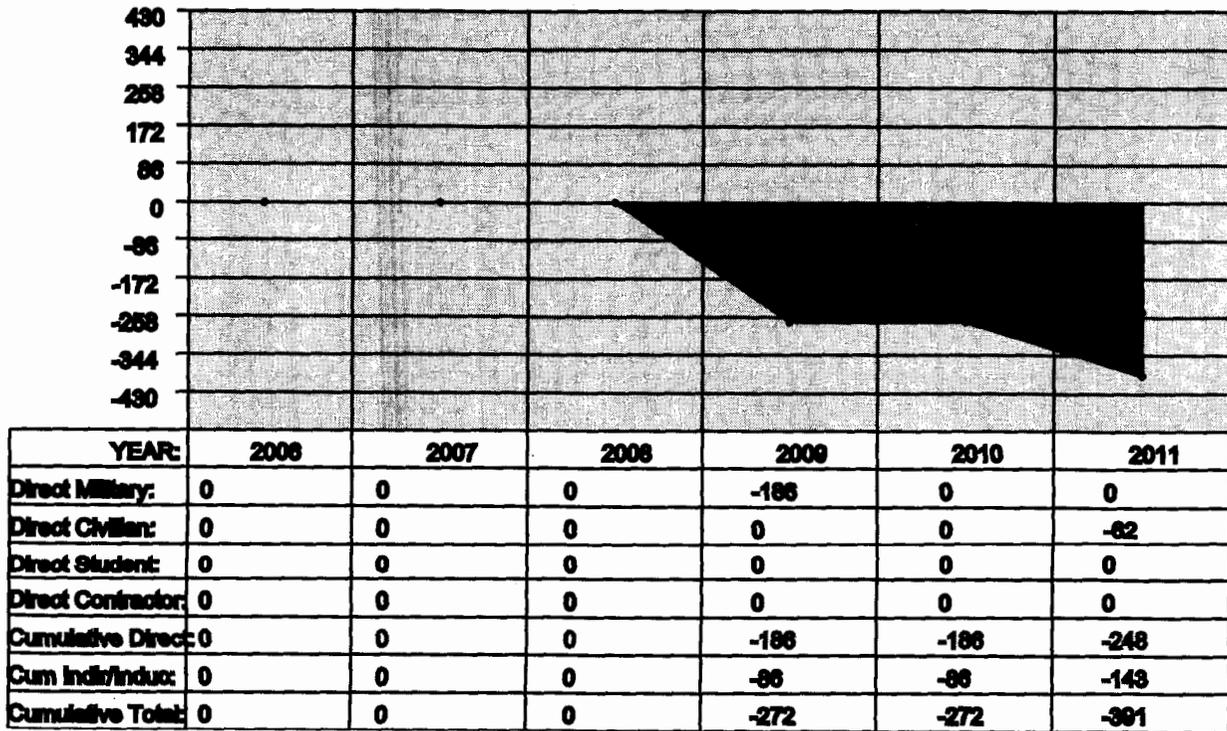
ECONOMIC IMPACT DATA

Scenario: All Selected (see title page)  
 Economic Region of Influence(ROI): Salt Lake City, UT Metropolitan Statistical Area  
 Base: All Bases  
 Action: All Actions

**Overall Economic Impact of Proposed BRAC-05 Action:**

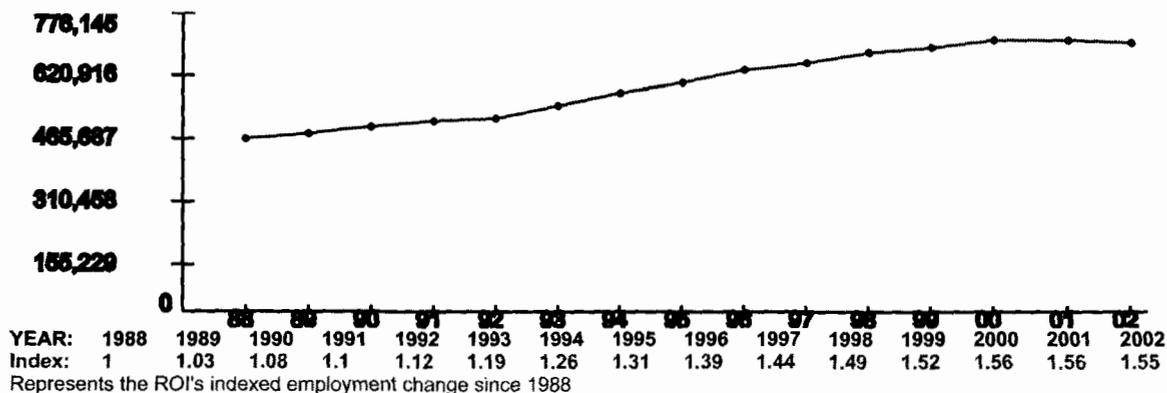
ROI Population (2002):	995,344
ROI Employment (2002):	701,532
Authorized Manpower (2005):	494
Authorized Manpower(2005) / ROI Employment(2002):	0.07%
Total Estimated Job Change:	-391
Total Estimated Job Change / ROI Employment(2002):	-0.06%

**Cumulative Job Change (Gain/Loss) Over Time:**

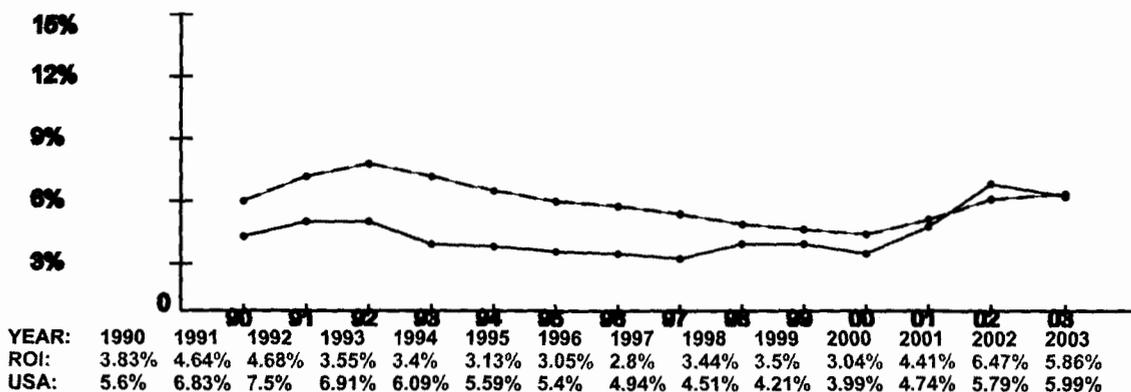


Salt Lake City, UT Metropolitan Statistical Area Trend Data

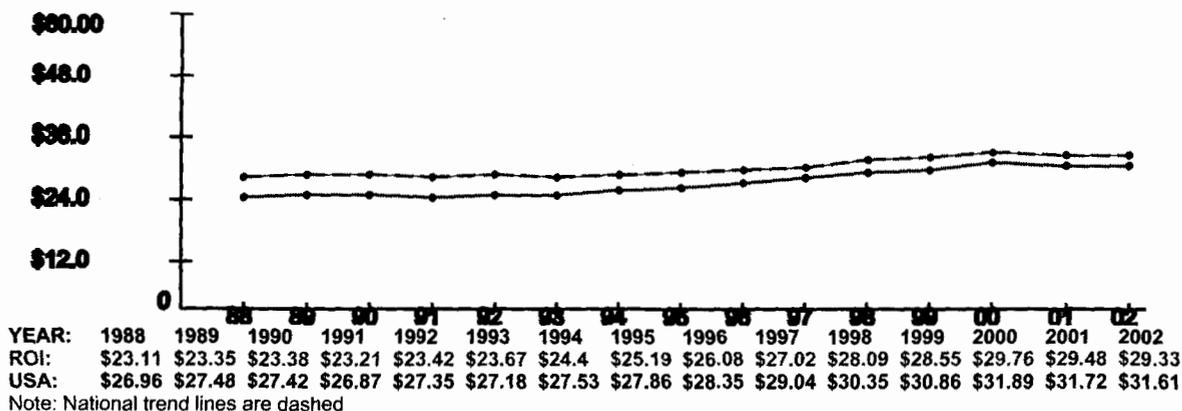
**Employment Trend (1988-2002)**



**Unemployment Percentage Trend (1990-2003)**



**Per Capita Income x \$1,000 (1988-2002)**



## DESERET CHEMICAL DEPOT, UT

### Demographics

The following tables provide a short description of the area near the installation/activity. DESERET CHEMICAL DEPOT is 53.6 miles from Salt Lake City, UT, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Salt Lake City MSA	1,333,914

The following entities comprise the military housing area (MHA):

County/City	Population
Tooele	40735
Utah	368536
Total	409,271

### Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 0

### Cost of Living

Cost of Living provides a relative measure of cost of living in the local community. General Schedule (GS) Locality Pay provides a relative scale to compare local salaries with government salaries and Basic Allowance for Housing (BAH) is an indicator of the local rental market. In-state tuition is an indicator of the support provided by the state for active duty family members to participate in higher-level education opportunities.

Median Household Income	(US Avg \$41,994)	\$45,827	Basis: 2 of 2 counties
Median House Value	(US Avg \$119,600)	\$153,553	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$ 981	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State			

### Education

This attribute defines the population in local school districts and identifies capacity. The pupil/teacher ratio, graduation rate, percentage of certified teachers and composite SAT I/ACT scores provide a relative quality indicator of education. This attribute also attempts to give communities credit for the potential intellectual capital they provide.

NOTE: "MFR" means a Memorandum For Record is on file at the installation/activity/agency to document problems in obtaining the required information. Reasons for not being able to obtain information may be that the school district refused to provide the information or the school district does not use or track the information.

*This document may contain information protected from disclosure by public law, regulations or orders.*

If the installation/activity/agency has incomplete information from the local school system in order to accurately compute a score in this area, the number of school districts reporting information will be captured in addition to the computed answer.

		Basis
School District(s) Capacity	12,000	1 of 1 district
Students Enrolled	9,916	1 of 1 district
Average Pupil/Teacher Ratio	26.1:1	1 of 1 district
High School Students Enrolled	2,417	1 of 1 district
Average High School Graduation Rate (US Avg 67.3%)	9.0%	1 of 1 district
Average Composite SAT I Score (US Avg 1026)		1 of 1 district
Average ACT Score (US Avg 20.8)	20	1 of 1 district
Available Graduate/PhD Programs	1	
Available Colleges and/or Universities	1	
Available Vocational and/or Technical Schools	0	

## Employment

Unemployment and job growth rates provide a relative merit of job availability in the local community. National rates from the Bureau of Labor Statistics are also provided.

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	5.5%	2.9%	4.1%	6.3%	5.0%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	2 of 2 counties				

The annual job growth rate for the last five-years:

	1999	2000	2001	2002	2003
Local Data	2.1%	2.2%	3.8%	2.0%	5.1%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	1 of 2 counties	1 of 2 counties	1 of 2 counties	2 of 2 counties	1 of 2 counties

## Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community. Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	5,513	Basis: 2 of 2 counties
Vacant Sale Units	1,731	
Vacant Rental Units	1,644	

*This document may contain information protected from disclosure by public law, regulations or orders.*

### Medical Providers

This attribute provides an indicator of availability of medical care for military and DoD civilians in the local community. The table reflects the raw number of physicians/beds and ratio of physicians/beds to population.

	# Physicians	# Beds	Population	
Local Community	529	691	409,271	Basis: 2 of 2 counties
Ratio	1:774	1:592		
National Ratio (2003)	1:421.2	1:373.7		

### Safety/Crime

The local community's Uniform Crime Reports (UCR) Index for 2002 per 100,000 people and the national UCR based on information from the Federal Bureau of Investigation (FBI) for 2002:

Local UCR	524.2	Basis: 2 of 2 counties
National UCR	4,118.8	

### Transportation

Distance to an airport shows convenience and availability of airline transportation. Public transportation shows potential for members and DoD civilians to use it to commute to/from work under normal circumstances and for leisure.

Distance from DESERET CHEMICAL DEPOT to nearest commercial airport: 52.1 miles  
Is DESERET CHEMICAL DEPOT served by regularly scheduled public transportation? Yes

### Utilities

This attribute identifies a local community's water and sewer systems' ability to receive 1,000 additional people.

Does the local community's water system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

Does the local community's sewer system have the ability to meet an expanded need of an additional 1,000 people moving in the local community? Yes

**SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS**  
**SCENARIO # 645 & 164**

**[TABS FINAL VERSION]**

**TITLE: IND-0117V3 CLOSE DESERET CHEMICAL DEPOT**

**GENERAL DESCRIPTION:** CLOSE DESERET CHEMICAL DEPOT UPON COMPLETION OF THE DESTRUCTION OF STORED CHEMICAL AGENTS AND THE DESTRUCTION OF THE PRODUCTION FACILITIES. TRANSFER THE STORAGE IGLOOS AND MAGAZINES TO TOOEELE ARMY DEPOT.

NOTES:

NO MILCON OR PERSONNEL INVOLVED IN RECOMMENDATION. BUNKERS/IGLOOS WITH AMMUNITION AT DESERET WOULD SIMPLY BE INCORPORATED INTO TOOEELE. SO NO MILCON. BOUNDRIES OF TOOEELE WOULD BE EXPANDED. ASSUMING ENVIRONMENTAL COSTS FOR DESERET SINCE THE REMAINDER OF DESERET WOULD STILL HAVE TO BE INVESTIGATED PRIOR TO DISPOSAL.

ANALYST: \_\_\_\_\_

LAST UPDATE: 27 APRIL 2005

Env Resource Area	<i>Gaining Installation Assessment</i> Inst Name: N/A	Analyst Comments (& data source(s) that drive assessment)
Air Quality		
Cultural/ Archeological Resources		
Dredging		
Land Use Constraints/Sensitive Resource Areas		
Marine Mammals/Reserves/Marine Sanctuaries		
Noise		
Threatened & Endangered Species/Critical Habitat		
Waste Management		
Water Resources		

Wetlands		
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**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);**  
**SCENARIO # (IND-0117V3)164**

Env Resource Area	<b><i>Losing Installation Assessment</i></b> <b>Inst Name: Deseret Chemical Depot</b>	<b>Analyst Comments</b> <b>(&amp; data source(s) that drive assessment)</b>
Air Quality	No impact	#213 Reported N/A indicating in attainment for all Criteria Pollutants
Cultural/Archeological/ Tribal Resources	Surveys and consultation with the SHPO will be required to determine disposition of archeological and historical resources.	#230 -1 Arch Resources identified #231- Native People sites on/contiguous to installation. #234 - Native Tribes assert an interest, no formal consultation. #232 Sites with high potential for Arch resources were identified #235 No Historic Property - no resources identified. #236 - No Programmatic Agreement in place
Dredging	No impact	#227 - N/A
Land Use Constraints/Sensitive Resource Areas	Restoration +/- monitoring of contaminated media will likely be required after closure to prevent significant long-term impacts to the environment.	#273 - Installation has MMRA's reported DERP 2003 shows MMRP CTC \$59.6M 1 operational ranges reported- OB/OD range #240 DERA sites reported - CTC is \$7.25M. * CMA reports 6 Sites contain likely buried mustard munitions or spills - cleanup not programmed or funded- cost TBD
Marine Mammals / Marine Resources	No impact	#248-250, 252, 253 - N/A
Noise	No impact	#239 - N/A
Threatened & Endangered Species/Critical Habitat	Federally listed species (Bald Eagle) is found on installation. Continued management and/or deed restrictions will be necessary to insure future protection of the Federally listed species.	#259 1 TES (Bald Eagle) on installation, no restrictions reported. #260, 263, 264 - No critical habitat, no candidate species/habitat identified
Waste Management	Special waste management areas at the installation include a RCRA TSD facility. Restoration, monitoring/sweeps, access control, and/or deed restrictions may be required for former waste management areas to prevent disturbance, health and safety risks, and/or long-term release of toxins to environmental media.	#265 Has RCRA TSD facility on site #269 Has a RCRA Subpart X Permit #272 No permitted solid waste disposal facility

Water Resources	<p>Environmental media contamination issues at installation include metals, explosives, &amp; VOCs reported in groundwater.</p> <p>Restoration and/or monitoring of contaminated media will likely be required after closure to prevent significant long-term impacts to the environment.</p> <p>Installation has 1 government-owned plant for potable water and 3 government-owned plants for sewage treatment on the installation that may require transfer/closure.</p>	<p>#275 Metals, explosives, &amp; VOCs are reported in groundwater on installation.</p> <p>#281 – No surface water contamination reported.</p> <p>#282 – 1 Off Military Installation Commercial Source for industrial wastewater</p> <p>#291-1 On Military Installation Govt Owned Plant for potable water</p> <p>#297-3 On Military Installation Govt Owned Plants for sewage treatment.</p>
Wetlands	No impact	<p>#251- Wetlands survey completed 1/00</p> <p>#257 – 1,500 acres seasonal wetlands identified, no restrictions reported</p>

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);  
SCENARIO # 164**

**IMPACTS OF COSTS**

Env Resource Area	Gaining Installation Inst Name: N/A	Losing Installation Inst Name: Deseret Chemical Depot
Environmental Restoration*	None.	<p>Sweep for UXO and or chemical weapons residual contamination - Cost TBD (6 Sites contain likely buried mustard munitions or spills)</p> <p>#240 DERA sites reported - MMRP CTC \$59.6M IRP CTC is \$7.25M</p> <p>OB/OD Range - cleanup cost \$1.04M-4.98M (reported in FY03 DERP)</p> <p>Controlled burning/decontamination/demolition of industrial buildings/structures heavily contaminated with explosives/metals - \$1M to \$10M+</p>
Waste Management	None.	Restoration/Monitoring of HW sites \$500K - \$10M+.
Environmental Compliance	None.	<p>Environmental Baseline Survey (EBS) \$300K - \$500K.</p> <p>Land Use Controls (LUC) management/enforcement in perpetuity (occurs after transfer) - \$50K - \$100K</p> <p>Asbestos/Lead-based Paint Removal - \$200K - \$1M</p> <p>Access controls / caretaker management of historical/arch/cultural sites \$500K - \$1M (annually)</p>
<b>COBRA Costs:</b>	None.	Installation is a Chemical Plant - \$1.3M (EBS + disposal EIS)

INSTALLATION ENVIRONMENTAL PROFILE  
**DESERET CHEMICAL DEPOT**

**1. Air Quality (DoD Question #210-225):**

- a. The Clean Air Act (CAA) establishes health-based standards for air quality and all areas of the country are monitored to determine if they meet the standards. A major limiting factor is whether the installation is in an area designated nonattainment or maintenance (air quality is not meeting the standard) and is therefore subject to more stringent requirements, including the CAA General Conformity Rule. Conformity requires that any new emissions from military sources brought into the area must be offset by credits or accounted for in the State Implementation Plan (SIP) emissions budget. The criteria pollutants of concern include: CO, O<sub>3</sub> (1 hour & 8 Hour), and PM (PM<sub>10</sub>, and PM<sub>2.5</sub>). Installations in attainment areas are not restricted, while activities for installations in non-attainment areas may be restricted. Non-attainment areas are classified as to the degree of non-attainment: Marginal, Moderate, Serious, and in the case of O<sub>3</sub>, Severe and Extreme. SIP Growth Allowances and Emission Reduction Credits are tools that can be used to accommodate increased emissions in a manner that conforms to a state's SIP. All areas of the country require operating permits if emissions from stationary sources exceed certain threshold amounts. Major sources already exceed the amount and are subject to permit requirements. Synthetic minor means the base has accepted legal limits to its emissions to stay under the major source threshold. Natural or true minor means the actual and potential emissions are below the threshold.
- b. DESERET CHEMICAL DEPOT is in Attainment for all Criteria Pollutants. It holds a CAA Major Operating Permit.

**2. Cultural/Archeological/Tribal Resources (DoD Question #229-237):**

- a. Many installations have historical, archeological, cultural and Tribal sites of interest. These sites and access to them often must be maintained, or consultation is typically required before changes can be made. The sites and any buffers surrounding them may reduce the quantity or quality of land or airspace available for training and maneuvers or even construction of new facilities. The presence of such sites needs to be recognized, but the fact that restrictions actually occur is the overriding factor the data call is trying to identify. A programmatic agreement with the State Historic Preservation Office (SHPO) facilitates management of these sites.
- b. No historic property has been identified on DESERET CHEMICAL DEPOT. There is no programmatic agreement for historic property in place with the SHPO. It has sites with high archeological potential identified, which do not restrict construction and do not restrict operations.

**3. Dredging (DoD Question # 226-228):**

- a. Dredging allows for free navigation of vessels through ports, channels, and rivers. Identification of sites with remaining capacity for the proper disposal of dredge spoil is the primary focus of the profile. However, the presence of unexploded ordnance or any other impediment that restricts the ability to dredge is also a consideration.
- b. DESERET CHEMICAL DEPOT has no impediments to dredging.

**4. Land Use Constraints/Sensitive Resource Areas (DoD Question #198-201, 238, 240-247, 254-256, 273):**

- a. Land use can be encroached from both internal and external pressures. This resource area combines several different types of possible constraints. It captures the variety of constraints not otherwise covered by other areas that could restrict operations or development. The areas include electromagnetic radiation or emissions, environmental restoration sites (on and off installation), military munitions response areas, explosive safety quantity distance arcs, treaties, underground storage tanks, sensitive resource areas, as well as policies, rules, regulations, and activities of other federal, state, tribal and local agencies. This area also captures other constraining factors from animals and wildlife that are not endangered but cause operational restrictions. This resource area specifically includes information on known environmental restoration costs through FY03 and the projected cost-to-complete the restoration.

- b. DESERET CHEMICAL DEPOT reports that 8084 unconstrained acres are available for development out of 19364 total acres. DESERET CHEMICAL DEPOT has spent \$23.30000000000001M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$7M. DESERET CHEMICAL DEPOT has Explosive Safety Quantity Distance Arcs, none of which require safety waivers, and some with the potential for expansion. It has Military Munitions Response Areas.

**5. Marine Mammal/Marine Resources/Marine Sanctuaries (DoD Question #248-250, 252-253):**

- a. This area captures the extent of any restrictions on near shore or open water testing, training or operations as a result of laws protecting Marine Mammals, Essential Fish Habitat, and other related marine resources.
- b. DESERET CHEMICAL DEPOT is not impacted by laws and regulations pertaining to Marine Mammal Protection Act, Essential Fish Habitats & Fisheries and Marine Sanctuaries, which may adversely restrict navigation and operations.

**6. Noise (DoD Question # 202-209, 239):**

- a. Military operations, particularly aircraft operations and weapons firing, may generate noise that can impact property outside of the installation. Installations with significant noise will typically generate maps that predict noise levels. These maps are then used to identify whether the noise levels are compatible with land uses in these noise-impacted areas. Installations will often publish noise abatement procedures to mitigate these noise impacts.
- b. DESERET CHEMICAL DEPOT does not have noise contours that extend off the installation's property. It does not have published noise abatement procedures for the main installation.

**7. Threatened and Endangered Species/Critical Habitat (DoD Question #259-264)**

- a. The presence of threatened and endangered species (TES) can result in restrictions on training, testing and operations. They serve to reduce buildable acres and maneuver space. The data in this section reflects listed TES as well as candidate species, designated critical habitat as well as proposed habitat, and restrictions from Biological Opinions. The legally binding conditions in Biological Opinions are designed to protect TES, and critical habitat. The data call seeks to identify the presence of the resource, TES, candidate or critical habitat, even if they don't result in restrictions, as well places where restrictions do exist.
- b. DESERET CHEMICAL DEPOT reported that federally-listed TES are present, candidate species are not present, critical habitat is not present, and the installation does not have a Biological Opinion.

**8. Waste Management (DoD Question # 265-272):**

- a. This resource area identifies whether the installation has existing waste treatment and/or disposal capabilities, whether there is additional capacity, and in some case whether the waste facility can accept off-site waste. This area includes Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal facilities, solid waste disposal facilities, RCRA Subpart X (open/burning/open detonation) and operations.
- b. DESERET CHEMICAL DEPOT has a permitted RCRA Treatment Storage and Disposal Facility (TSDF) that accepts off-site waste. DESERET CHEMICAL DEPOT has an interim or final RCRA Part X facility that accepts off-site waste. DESERET CHEMICAL DEPOT does not have an on-base solid waste disposal facility.

**9. Water Resources (DoD Question # 258, 274-299):**

- a. This resource area asks about the condition of ground and surface water, and the legal status of water rights. Water is essential for installation operations and plays a vital role in the proper functioning of the surrounding ecosystems. Contamination of ground or surface waters can result in restrictions on training and operations and require funding to study and remediate. Federal clean water laws require states to identify impaired waters and to restrict the discharge of certain pollutants into those waters. Federal safe drinking water laws can require alternative sources of water and restrict activities above groundwater supplies particularly sole source aquifers. Water resources are also affected by the McCarran Amendment (1952), where Congress returned substantial power to the states with respect to the management of water. The amendment requires that the Federal government waive its sovereign immunity in cases involving the general adjudication of water rights. On the other hand existence of Federal Reserve Water Rights can provide more ability to the government to use water on federal lands.
- b. DESERET CHEMICAL DEPOT does not discharge to an impaired waterway. Groundwater contamination is reported. Surface water contamination is not reported. The state requires permits for the withdrawal of groundwater.  
**(The following water quantity data is from DoD Question # 282, 291, 297, 822, 825, 826):**  
DESERET CHEMICAL DEPOT has 4339.8000000000002 Acre-Feet of surplus water potentially available for expansion. On average, it uses 0.193 MGD of potable and non-potable water, with the capacity to produce 1.8 MGD. It processed on average 23.379999999999999 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 4.3874999999999997E-2 MGD. It processed on average 444.27999999999997 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process 0 MGD.

**10. Wetlands (DoD Question # 251, 257):**

- a. The existence of jurisdictional wetlands poses restraints on the use of land for training, testing or operations. In the data call the installations were asked to report the presence of jurisdictional wetlands and compare the percent of restricted acres to the total acres. The presence of jurisdictional wetlands may reduce the ability of an installation to assume new or different missions, even if they do not presently pose restrictions, by limiting the availability of land.
- b. DESERET CHEMICAL DEPOT reported no wetland restricted acres on the main installation, and no wetland restricted acres on ranges.

Draft Deliberative Document-For Discussion Purposes Only-Do Not Release Under FOIA  
INSTALLATION ENVIRONMENTAL PROFILE  
**TOOELE ARMY DEPOT**

**1. Air Quality (DoD Question #210-225):**

- a. The Clean Air Act (CAA) establishes health-based standards for air quality and all areas of the country are monitored to determine if they meet the standards. A major limiting factor is whether the installation is in an area designated nonattainment or maintenance (air quality is not meeting the standard) and is therefore subject to more stringent requirements, including the CAA General Conformity Rule. Conformity requires that any new emissions from military sources brought into the area must be offset by credits or accounted for in the State Implementation Plan (SIP) emissions budget. The criteria pollutants of concern include: CO, O<sub>3</sub> (1 hour & 8 Hour), and PM (PM<sub>10</sub>, and PM<sub>2.5</sub>). Installations in attainment areas are not restricted, while activities for installations in non-attainment areas may be restricted. Non-attainment areas are classified as to the degree of non-attainment: Marginal, Moderate, Serious, and in the case of O<sub>3</sub>, Severe and Extreme. SIP Growth Allowances and Emission Reduction Credits are tools that can be used to accommodate increased emissions in a manner that conforms to a state's SIP. All areas of the country require operating permits if emissions from stationary sources exceed certain threshold amounts. Major sources already exceed the amount and are subject to permit requirements. Synthetic minor means the base has accepted legal limits to its emissions to stay under the major source threshold. Natural or true minor means the actual and potential emissions are below the threshold.
- b. TOOELE ARMY DEPOT is in Attainment for all Criteria Pollutants.

**2. Cultural/Archeological/Tribal Resources (DoD Question #229-237):**

- a. Many installations have historical, archeological, cultural and Tribal sites of interest. These sites and access to them often must be maintained, or consultation is typically required before changes can be made. The sites and any buffers surrounding them may reduce the quantity or quality of land or airspace available for training and maneuvers or even construction of new facilities. The presence of such sites needs to be recognized, but the fact that restrictions actually occur is the overriding factor the data call is trying to identify. A programmatic agreement with the State Historic Preservation Office (SHPO) facilitates management of these sites.
- b. No historic property has been identified on TOOELE ARMY DEPOT. There is no programmatic agreement for historic property in place with the SHPO. It does not have sites with high archeological potential identified. Contact with Native Tribes has rarely occurred.

**3. Dredging (DoD Question # 226-228):**

- a. Dredging allows for free navigation of vessels through ports, channels, and rivers. Identification of sites with remaining capacity for the proper disposal of dredge spoil is the primary focus of the profile. However, the presence of unexploded ordnance or any other impediment that restricts the ability to dredge is also a consideration.
- b. TOOELE ARMY DEPOT has no impediments to dredging.

**4. Land Use Constraints/Sensitive Resource Areas (DoD Question #198-201, 238, 240-247, 254-256, 273):**

- a. Land use can be encroached from both internal and external pressures. This resource area combines several different types of possible constraints. It captures the variety of constraints not otherwise covered by other areas that could restrict operations or development. The areas include electromagnetic radiation or emissions, environmental restoration sites (on and off installation), military munitions response areas, explosive safety quantity distance arcs, treaties, underground storage tanks, sensitive resource areas, as well as policies, rules, regulations, and activities of other federal, state, tribal and local agencies. This area also captures other constraining factors from animals and wildlife that are not endangered but cause operational restrictions. This resource area specifically includes information on known environmental restoration costs through FY03 and the projected cost-to-complete the restoration.

- b. TOOELE ARMY DEPOT reports that 13460 unconstrained acres are available for development out of 23063 total acres. TOOELE ARMY DEPOT has spent \$82.29999999999997M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$19M. TOOELE ARMY DEPOT has Explosive Safety Quantity Distance Arcs, none of which require safety waivers, and all with the potential for expansion. It has Military Munitions Response Areas.

**5. Marine Mammal/Marine Resources/Marine Sanctuaries (DoD Question #248-250, 252-253):**

- a. This area captures the extent of any restrictions on near shore or open water testing, training or operations as a result of laws protecting Marine Mammals, Essential Fish Habitat, and other related marine resources.
- b. TOOELE ARMY DEPOT is not impacted by laws and regulations pertaining to Marine Mammal Protection Act, Essential Fish Habitats & Fisheries and Marine Sanctuaries, which may adversely restrict navigation and operations.

**6. Noise (DoD Question # 202-209, 239):**

- a. Military operations, particularly aircraft operations and weapons firing, may generate noise that can impact property outside of the installation. Installations with significant noise will typically generate maps that predict noise levels. These maps are then used to identify whether the noise levels are compatible with land uses in these noise-impacted areas. Installations will often publish noise abatement procedures to mitigate these noise impacts.
- b. TOOELE ARMY DEPOT has noise contours that extend off the installation's property. Of the 19 acres that extend to off-base property, 0 acres have incompatible land uses. It has published noise abatement procedures for the main installation.

**7. Threatened and Endangered Species/Critical Habitat (DoD Question #259-264)**

- a. The presence of threatened and endangered species (TES) can result in restrictions on training, testing and operations. They serve to reduce buildable acres and maneuver space. The data in this section reflects listed TES as well as candidate species, designated critical habitat as well as proposed habitat, and restrictions from Biological Opinions. The legally binding conditions in Biological Opinions are designed to protect TES, and critical habitat. The data call seeks to identify the presence of the resource, TES, candidate or critical habitat, even if they don't result in restrictions, as well places where restrictions do exist.
- b. TOOELE ARMY DEPOT reported that federally-listed TES are not present, candidate species are not present, critical habitat is not present, and the installation does not have a Biological Opinion.

**8. Waste Management (DoD Question # 265-272):**

- a. This resource area identifies whether the installation has existing waste treatment and/or disposal capabilities, whether there is additional capacity, and in some case whether the waste facility can accept off-site waste. This area includes Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal facilities, solid waste disposal facilities, RCRA Subpart X (open/burning/open detonation) and operations.
- b. TOOELE ARMY DEPOT has a permitted RCRA Treatment Storage and Disposal Facility (TSDF) that accepts off-site waste. TOOELE ARMY DEPOT has an interim or final RCRA Part X facility that accepts off-site waste. TOOELE ARMY DEPOT does not have an on-base solid waste disposal facility .

**9. Water Resources (DoD Question # 258, 274-299):**

a. This resource area asks about the condition of ground and surface water, and the legal status of water rights. Water is essential for installation operations and plays a vital role in the proper functioning of the surrounding ecosystems. Contamination of ground or surface waters can result in restrictions on training and operations and require funding to study and remediate. Federal clean water laws require states to identify impaired waters and to restrict the discharge of certain pollutants into those waters. Federal safe drinking water laws can require alternative sources of water and restrict activities above groundwater supplies particularly sole source aquifers. Water resources are also affected by the McCarran Amendment (1952), where Congress returned substantial power to the states with respect to the management of water. The amendment requires that the Federal government waive its sovereign immunity in cases involving the general adjudication of water rights. On the other hand existence of Federal Reserve Water Rights can provide more ability to the government to use water on federal lands.

b. TOOELE ARMY DEPOT does not discharge to an impaired waterway. Groundwater contamination is reported. Surface water contamination is not reported. The state requires permits for the withdrawal of groundwater.

**(The following water quantity data is from DoD Question # 282, 291, 297, 822, 825, 826):**

TOOELE ARMY DEPOT has 1594.5 Acre-Feet of surplus water potentially available for expansion. On average, it uses .72 MGD of potable and non-potable water, with the capacity to produce 1.7869999999999999 MGD. It processed on average 5.0000000000000003E-2 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 0.27100000000000002 MGD. It processed on average 0 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process (No Capacity Reported) MGD.

**10. Wetlands (DoD Question # 251, 257):**

a. The existence of jurisdictional wetlands poses restraints on the use of land for training, testing or operations. In the data call the installations were asked to report the presence of jurisdictional wetlands and compare the percent of restricted acres to the total acres. The presence of jurisdictional wetlands may reduce the ability of an installation to assume new or different missions, even if they do not presently pose restrictions, by limiting the availability of land.

b. TOOELE ARMY DEPOT reported no wetland restricted acres on the main installation, and no wetland restricted acres on ranges.

**Pendaflex**

*Esselle*



## Recommendation Detail

**162** Ind - 16 Lone Star Army Ammunition Plant

Y  N **162**

**DoD Description** Close Lone Star Army Ammunition Plant (AAP), TX. Relocate the Storage and Demilitarization functions to McAlester AAP, IL. Relocate the 105MM and 155MM ICM Artillery, MLRS Artillery, Hand Grenades, 60MM and 81MM Mortars functions to Milan AAP, TN. Relocate Mines and Detonators/Relays/Delays functions to Iowa AAP, IA. Relocate Demolition Charges functions to Crane Army Ammunition Activity (AAA), IN.

### COBRA Data

<b>1 Time Costs (\$M)</b>	<b>Rank/190</b>	<b>% Total</b>	<b>Payback (Years)</b>	<b>6 Year Net (\$M)</b>	<b>Rank/190</b>	<b>20-Year NPV (\$M)</b>	<b>Rank/190</b>	<b>% Total</b>
\$29.00	110	0.12%	1	\$4.66	95	(\$164.20)	66	0.34%

**Lead Analyst** George Delgado

### Job Impact at Affected Bases

Action	Base Name	State	Net Mil.	Net Civ.	Net Cont.	Total Dir.	Total InDir.	Total Chng
Closure	Lone Star Army Ammunition Plant	TX	-2	-18	-129	-149	-79	-228
<b>Net jobs for this Recommendation</b>			<b>-2</b>	<b>-18</b>	<b>-129</b>	<b>-149</b>	<b>-79</b>	<b>-228</b>

### Other OSD Recommendations

\*\*\*See Appendix - Alphabetical Listing of Bases

**163** Ind - 17 Desert Chemical Depot, UT

Y  N **163**

**DoD Description** Close Deseret Chemical Depot, UT. Transfer the storage igloos and magazines to Tooele Army Depot, UT.

### COBRA Data

<b>1 Time Costs (\$M)</b>	<b>Rank/190</b>	<b>% Total</b>	<b>Payback (Years)</b>	<b>6 Year Net (\$M)</b>	<b>Rank/190</b>	<b>20-Year NPV (\$M)</b>	<b>Rank/190</b>	<b>% Total</b>
\$4.40	167	0.02%	Immediate	(\$65.05)	29	(\$356.40)	41	0.73%

**Lead Analyst** George Delgado

### Job Impact at Affected Bases

Action	Base Name	State	Net Mil.	Net Civ.	Net Cont.	Total Dir.	Total InDir.	Total Chng
Closure	Deseret Chemical Depot	UT	-186	-62	0	-248	-142	-390
<b>Net jobs for this Recommendation</b>			<b>-186</b>	<b>-62</b>	<b>0</b>	<b>-248</b>	<b>-142</b>	<b>-390</b>

### Other OSD Recommendations

\*\*\*See Appendix - Alphabetical Listing of Bases

## Appendix P

### Environmental Restoration Costs for DoD's 33 Major Proposed Closures

Installation	Cost to Complete Environmental Restoration	Dollars Spent Through FY03	Operational Ranges Cost to Close	Comments
Riverbank Army Ammunition Plant, CA	\$10.50M*	\$50.2M	0	
Fort Gillem, GA	\$18.00M*	\$27.1M	\$8.8 - 21.4M	11 operational ranges
Fort McPherson, GA	\$8.90M*	\$11.1M	\$3.1 - 29.3M	4 operational & 2 small arms ranges
Newport Chemical Depot, IN	\$1.22M*	\$16.3M	0*	Has potential buried VX munitions, cost TBD.
Kansas Army Ammunition Plant, KA	\$33.18M*	\$30.7M	\$4.7 - 46.6M	5 operational & 2 small arms ranges
U.S. Army Garrison Selfridge, MI	\$13.30M	0	0	
Mississippi Army Ammunition Plant, MS	\$2.3M*	0	0	
Hawthorne Army Depot, NV	\$383.20M*	\$28.5M	\$29.2 - 324.8M	16 operational ranges
Fort Monmouth, NJ	\$2.90M*	\$11M	\$15.3 - 110M	11 operational ranges
Umatilla Chemical Depot, OR	\$10.29M	\$53.5M	\$0.5 - 20M	Additional costs for UXO and or chemical contamination
Lone Star Army Ammunition Plant, TX	\$2.74M	\$21.3M	\$1 - 24.2M	3 operational ranges
Red River Army Depot, TX	\$62.56M	\$17.9M	\$6.4 - 73.9M	8 operational & 2 small arms ranges
Deseret Chemical Depot, UT	\$66.85M	\$23.3M	\$1 - 5M	UXO, chemical weapons, building decontamination and range cleanup
Fort Monroe, VA	0*	\$1.8M	0*	no operational ranges; UXO in Moat no estimate given
<b>Army Total 14 sites</b>	<b>\$615.94M</b>	<b>\$292.70M</b>		
<b>Total all 33 major proposed closures</b>	<b>\$918.14M</b>	<b>\$684.70M</b>	<b>\$70M to \$655.2M</b>	

Cost-to-complete environmental restoration includes military munitions response program costs

All cost data pulled from the Summary of Scenario Environmental Impacts provided by DoD, unless marked by a \*

\* - Revised or verified cost to complete data from DoD clearinghouse responses

INDUSTRIAL JOINT CROSS SERVICE GROUP

August 18, 2005

MEMORANDUM FOR R. GARY DINSICK, ARMY TEAM LEADER

Subject: Chemical Depots, OSD BRAC Clearinghouse #C0680

By memorandum dated July 25, 2005, you asked a number of questions about Deseret, Newport, and Umatilla Chemical Depots, the responses to which are provided below.

1. *Provide updated current certified data on the personnel levels by military officer, enlisted, civilian and contractor for each installation.*
  - a. Certified data reported:
    - i. Deseret: 4 Officers, 123 enlisted, 385 civilians and no contractors
    - ii. Newport: 7 Officers, 198 enlisted, 81 civilians and no contractors
    - iii. Umatilla: 3 Officers, 183 Enlisted, 62 Civilians and no contractors.
  - b. Revised as of 31 Jul 2005 (Certified):
    - i. Deseret: 1 Officer, 0 enlisted, 496 civilians and no contractors
    - ii. Newport: 1 Officer, 1 enlisted, 19 civilians and no contractors
    - iii. Umatilla: 1 Officer, 0 enlisted, 348 civilians and no contractors

The original enlisted numbers included National Guard personnel that were later deployed. They were replaced by civilian employees.

2. *For each installation, what is the current Army position on the completion date for the chemical demilitarization?*

During its deliberations the IJCSG initially received certified data that indicated all four of the chemical depots would complete their mission within the BRAC time frame. Prior to submission of recommendations, those dates were re-verified and Pueblo Army Depot was removed from consideration by the Infrastructure Executive Group over concerns of mission completion date. While some people have made uncertified "projections" that may vary from the certified data, the Department does not have any certified data indicating that its chemical demilitarization recommendations cannot be implemented within the statutory timeframe. Additionally, the United States is bound by treaty to complete the mission no later than 2012.

3. *What is the estimated timeframe after the completion of the chemical demilitarization mission for the facility to be torn down and certified "clean"?*

Approximately five years beyond mission completion.

4. *According to international treaty, what specifically at each of these chemical demilitarization facilities must be destroyed? Related to the completion of the chemical demilitarization mission, is there any related impact to the installation on which the chemical mission was located?*

See attached

5. *As written in the recommendations, closure is predicated upon the successful completion of the chemical demilitarization mission within the BRAC implementation timeframe. How can the BRAC Commission continue to recommend an installation for closure that will knowingly not complete its mission within that specified implementation timeframe, particularly given that the Pueblo Army Depot was taken off the BRAC closure list for this very reason?*

The Department's certified data indicates that all the chemical depots that the Department has recommended for closure can complete their respective missions within the statutory timeframe. The Department did not recommend the closure of any chemical depot if the certified data indicated otherwise. In fact, the Department specifically rejected a candidate recommendation to close Pueblo Army Depot when the certified data indicated a mission completion date of "to be determined." The remaining Chemical Depots were recommended for closure based on certified data which indicated mission completion within the BRAC window. The Department does not have any certified data indicating that its chemical demilitarization recommendations cannot be implemented within the statutory timeframe. Additionally, the United States is bound by treaty to complete the mission no later than 2012.

6. *The justification for the Deseret closure implies that Deseret merely lifts its fence line to become part of the Tooele Army Depot. How are there savings with the closure of Deseret when this exact same infrastructure will now be maintained by Tooele?*

The recommended closure of Deseret transfers igloos and magazines to Tooele Army Depot. The remainder of Deseret includes warehouses, miscellaneous buildings, approximately 29,000 acres of land, and administrative buildings. The savings are generated from elimination of 248 employees and recap cost.

7. *For each installation, how many functional igloos exist, and how many are currently utilized?*
- a. Deseret: 224 igloos and all in use
  - b. Newport: 10 igloos and all in use

c. Umatilla: 1015 igloos and all in use

8. *The majority of savings for these installations come from the discontinued expenditures for recapitalization. What is the rationale for claiming "savings" at these installations when they were already planned for closure upon the completion of the chemical demilitarization mission?*

The information below shows how much of the savings is associated with discontinued expenditures for recapitalization.

- Annual savings for Deseret are \$30.326M and Recapitalization is \$5M;
  - NPV with recap \$356M
  - NPV without recap \$279M
- Annual savings for Newport are \$35.743M and Recapitalization is \$2.6M;
  - NPV with recap \$436M
  - NPV without recap \$396M
- Annual savings for Umatilla are \$60.976M and Recapitalization is \$12.7M
  - NPV with recap \$681M
  - NPV without recap \$486M

A full explanation of why closure of these chemical sites under a BRAC action is preferable to closure outside of BRAC is detailed in question #10. Once a decision is made to close a site, BRAC guidelines mandate consistency for analysis of every military installation. The factors used to evaluate each installation are predetermined by COBRA and recapitalization is only one of the savings. To provide a consistent BRAC analysis, COBRA runs include all approved applicable savings (i.e. sustainment, recap, civilian salaries, officers salaries, enlisted salaries, housing, BOS, etc). Removing recap for a select group of installations would result in an inconsistent analysis.

9. *How much money has each of these facilities historically received for recapitalization*

The Army applied a standard factor across all installations for recapitalization in COBRA. The factor that was applied was that the Army historically recapitalizes all installations every 103 years (recap rate), so the value is Plant replacement value (PRV) divided by recap rate. Based on this information, the recapitalization savings are those amounts captured in the COBRA runs. The Army Ammunition Plants did not have this standard factor applied because they receive appropriated production base support dollars (PBS) to recapitalize their infrastructure.

10. *Why are these closures presented within the BRAC when they were built to exist for only a specified timeframe and were to then be destroyed?*

The Department of Defense conducted a comprehensive review of all military installations in the United States and Territories on an equal footing, with military value as the primary consideration. Excluding these installations from the BRAC analysis would have been inconsistent with this approach. Additionally, closure within the BRAC

process affords property disposal options for the local community that do not exist if the action occurs outside the BRAC process. Property disposal outside the BRAC process would have to be pursuant to the Federal Property Act, which does not provide a preference for the local community nor any requirement to dispose of the property in accordance with the local community's plans for redevelopment. The local community would stand in line for the property behind other Federal agencies, the homeless, and potential public benefit recipients, and would then have to pay fair market value for the property.

*11. Please provide historic requirements for the entire chemical demilitarization account by type of round and the actual program execution dollars spent against those requirements. Please also provide planned program funding and requirements for the POM.*

Data on historic requirements for the entire chemical demilitarization account by type of round and the actual program execution dollars spent against those requirements is not available. Regarding planned program funding and requirements for the POM, the Chem Demil Program is funded separately under the CAMD,A appropriation and is issued to CMA directly from ASALT. A new Army Cost Position (ACP) is being developed and it is anticipated that funding will be provided for the revised requirements.

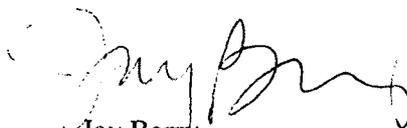
*12. Provide the current 2005 percentage of facility utilization for each installation.*

Utilization rate for all is 100%

*13. Specify the planned funding within the chemical demilitarization account for the teardown of each of the chemical demilitarization facilities. Were costs included to close the supporting installations as well?*

The chemical demilitarization mission includes the destruction of the stored commodities and the destruction of the equipment used to perform demilitarization function. There are no supporting installations involved in these closures.

Should additional information be required, feel free to contact me at 703-560-4317 or e-mail [jberry@gallows.vacoxmail.com](mailto:jberry@gallows.vacoxmail.com)



Jay Berry  
Executive Secretary

Attachment: As stated

TOTAL REMAINING MUNITIONS BY SITE										
										As of, July 31, 2005
Munition Type	Johnston Atoll	Tooele, UT	Anniston, AL	Umatilla, OR	Pine Bluff, AR	Pueblo, CO	Blue Grass, KY	Aberdeen, MD	Newport, IN	Total Remaining Munitions
GB M55 Rockets/M56	0	0	0	66,459	76,555	0	51,740	0	0	194,754
GB MK-116 Weteye Bombs	0	0	0	0	0	0	0	0	0	0
GB MC-1 Bombs	0	0	0	2,418	0	0	0	0	0	2,418
GB MK-94 Bombs	0	0	0	27	0	0	0	0	0	27
GB Ton Containers	0	0	0	0	0	0	0	0	0	0
GB 155mm Projectiles	0	0	0	47,406	0	0	0	0	0	47,406
GB 105mm Projectiles	0	0	73,938	0	0	0	0	0	0	73,938
GB 8-inch Projectiles	0	0	0	14,246	0	0	3,977	0	0	18,223
VX M55 Rockets/M56	0	0	35,662	14,519	19,608	0	17,739	0	0	87,528
VX Ton Containers	0	6	0	0	0	0	0	0	1,668	1,674
VX Spray Tanks	0	0	0	156	0	0	0	0	0	156
VX 155mm Projectiles	0	0	139,581	32,313	0	0	12,816	0	0	184,710
VX 8-inch Projectiles	0	0	0	3,752	0	0	0	0	0	3,752
VX M23 Land Mines	0	0	44,131	11,685	9,378	0	0	0	0	65,194
HD Ton Containers*	0	6,398	108	2,635	107	0	0	0	1,265	10,513
HT Ton Containers	0	0	0	0	3,591	0	0	0	0	3,591
HT 4.2-inch Mortars	0	62,524	183,552	0	0	20,384	0	0	0	266,460
HD 4.2-inch Mortars	0	885	75,360	0	0	76,722	0	0	0	152,967
HD 105mm Projectiles	0	0	23,064	0	0	383,418	0	0	0	406,482
HD/H 155mm Projectiles	0	54,651	17,643	0	0	299,554	15,492	0	0	387,340
<b>Totals</b>	<b>0</b>	<b>124,478</b>	<b>593,039</b>	<b>195,616</b>	<b>109,239</b>	<b>780,078</b>	<b>101,764</b>	<b>1,265</b>	<b>1,668</b>	<b>1,907,147</b>

ABCDH HD remaining TCs cell shows number yet to be drained and number to be destroyed through the TCC

NECDF VX remaining TCs cell shows number yet to be drained

6 remaining TOCDF VX TCs are TCs that have been neutralized but the hydrolysate needs to be processed before it can be declared as having been destroyed

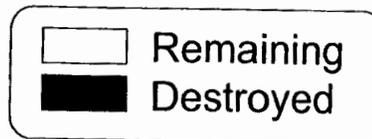
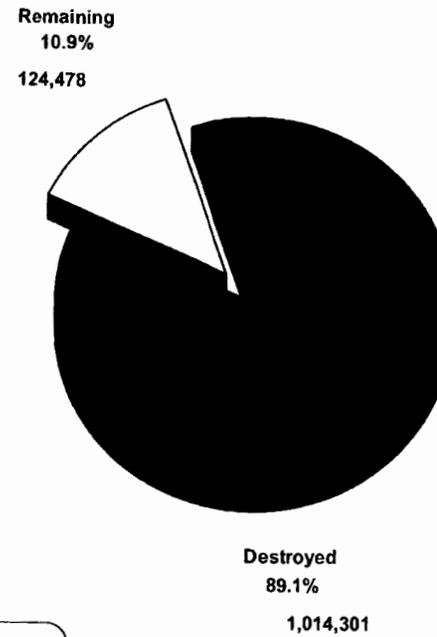
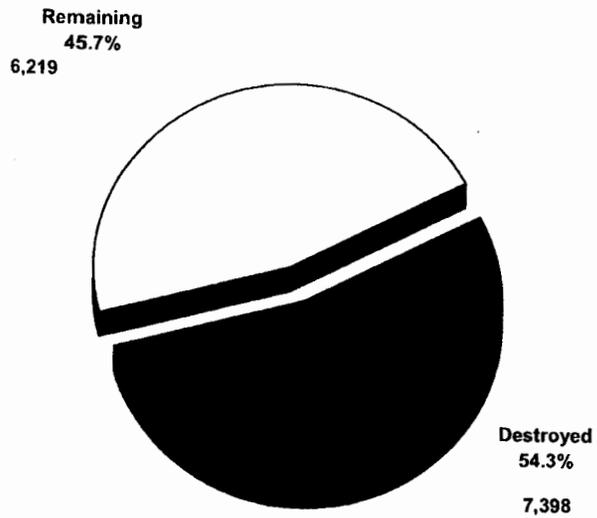
ATTACHMENT

**Deseret Chemical Depot**  
*Agent and Munitions Processed*  
31-Jul-05

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**TOTAL AGENT TONS - 13,617**

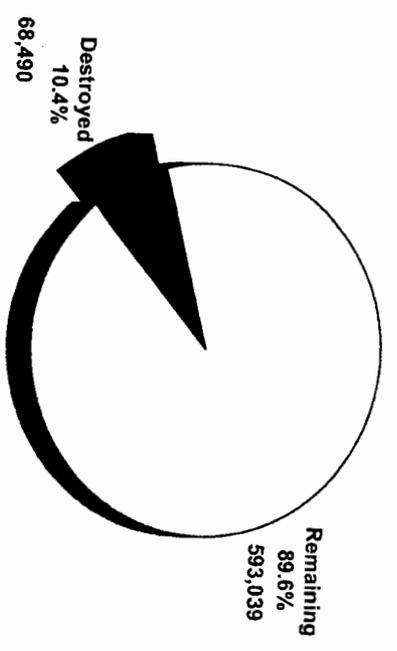
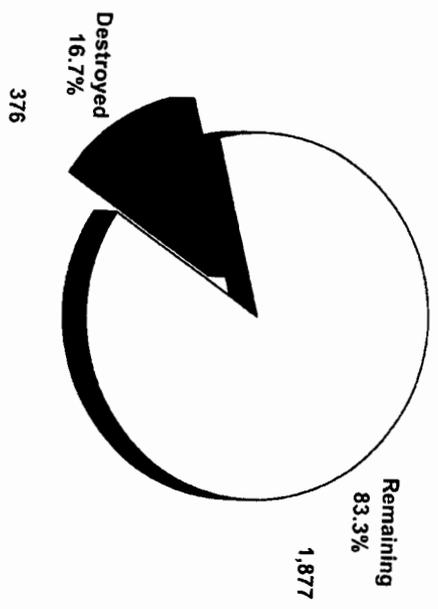
**TOTAL # OF MUNITIONS - 1,138,779**



**Anniston Army Depot**  
*Agent and Munitions Processed*  
31-Jul-05

**TOTAL AGENT TONS - 2,253**

**TOTAL # OF MUNITIONS - 661,529**



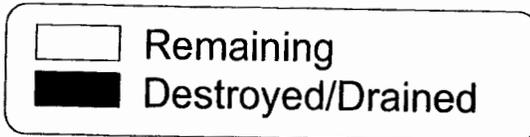
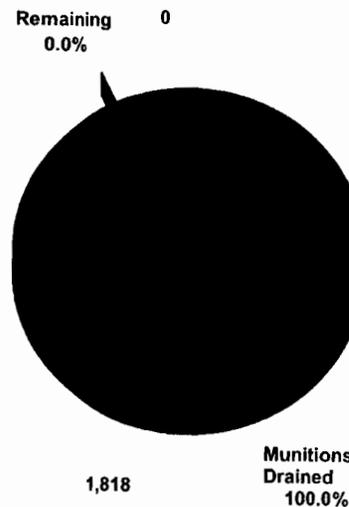
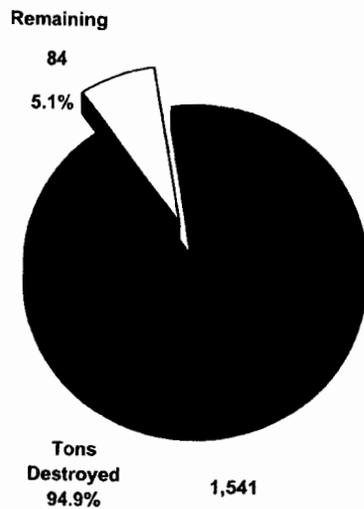
# Edgewood Chemical Activity

Agent and Munitions Processed

28-Jul-05

TOTAL AGENT TONS - 1,625

TOTAL # OF MUNITIONS - 1,818



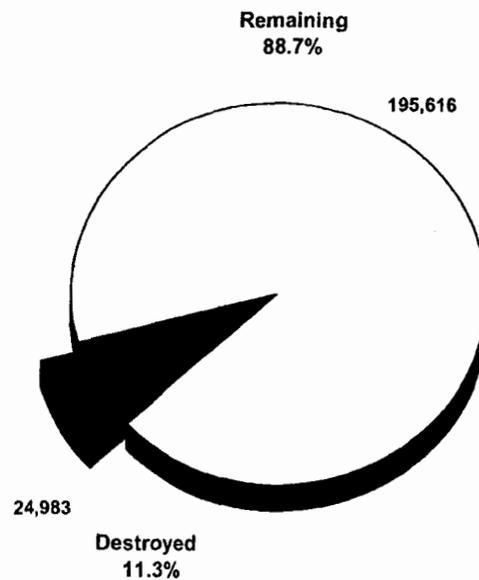
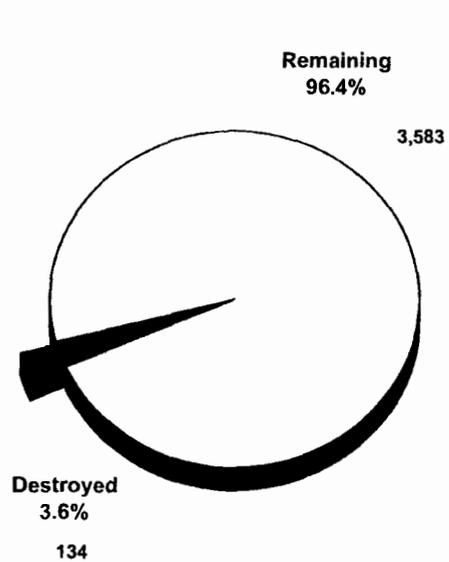
# Umatilla Chemical Depot

Agent and Munitions Processed

31-Jul-05

TOTAL AGENT TONS - 3,717

TOTAL # OF MUNITIONS - 220,599



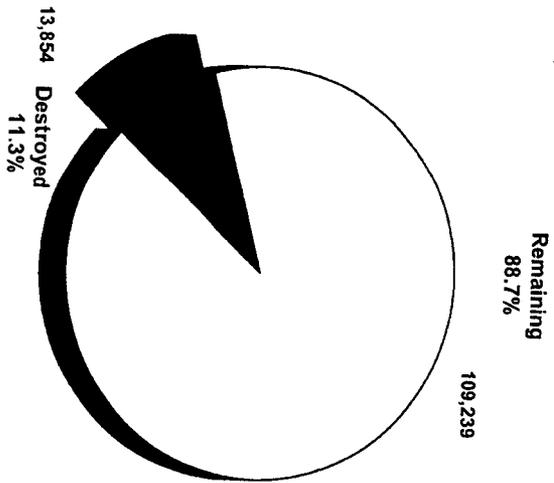
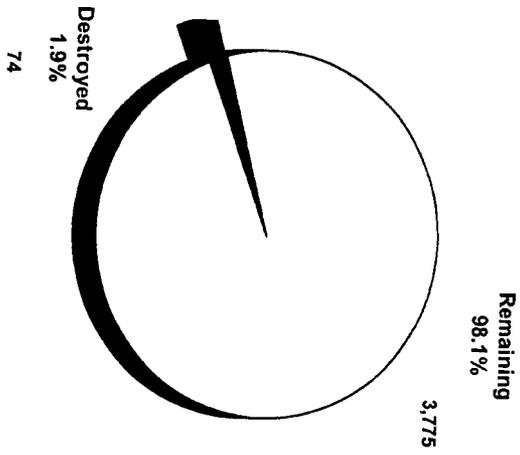
# Pine Bluff Chemical Activity

Agent and Munitions Processed

31-Jul-05

TOTAL AGENT TONS - 3,849

TOTAL # OF MUNITIONS - 123,093



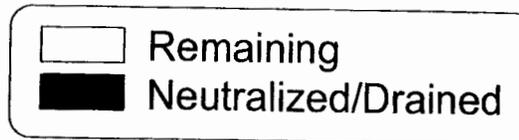
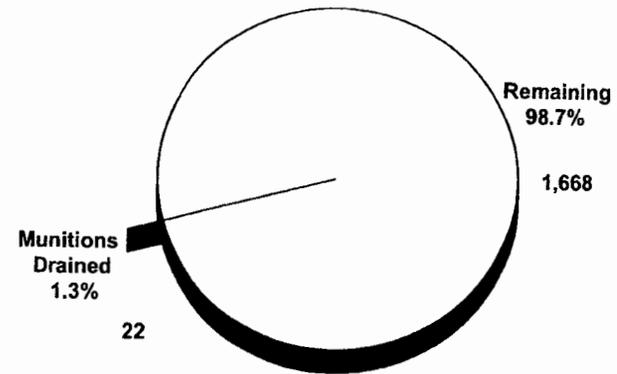
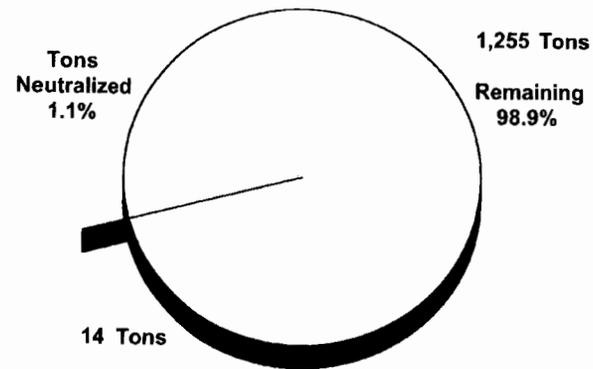
# Newport Chemical Depot

Agent and Munitions Processed

31-Jul-05

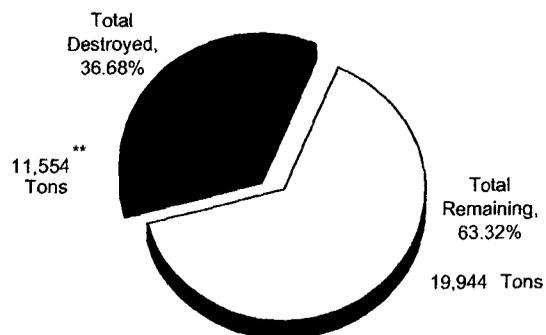
TOTAL AGENT TONS - 1,269

TOTAL # OF MUNITIONS - 1,690



**Percentage of CMA Agent Stockpile Destroyed (Incl. PCAPP and BGCAPP)**  
31-Jul-05

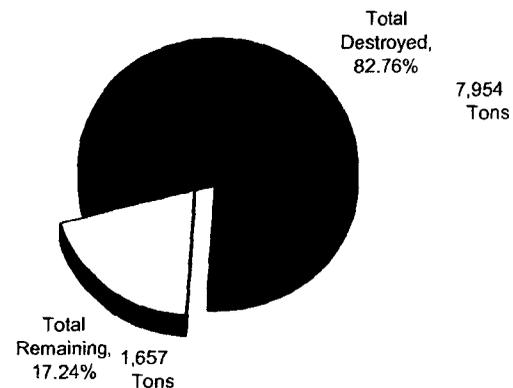
**Total Stockpile - 31,498 Tons\***



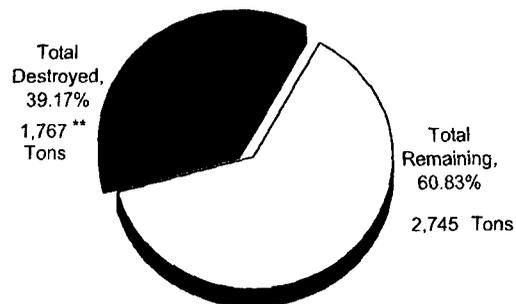
\*Includes 13 Tons of Lewisite & Miscellaneous Ton Containers

\*\* Includes 4 Tons of Chemical Agent Processed in Miscellaneous TCs

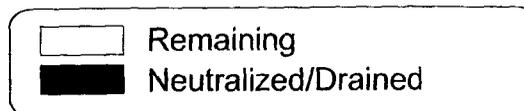
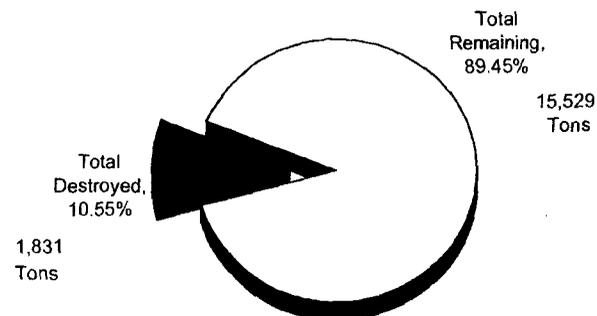
**GB Stockpile - 9,612 Tons**



**VX Stockpile - 4,512 Tons**

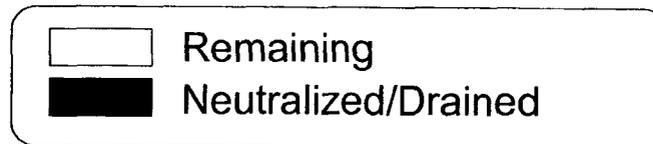
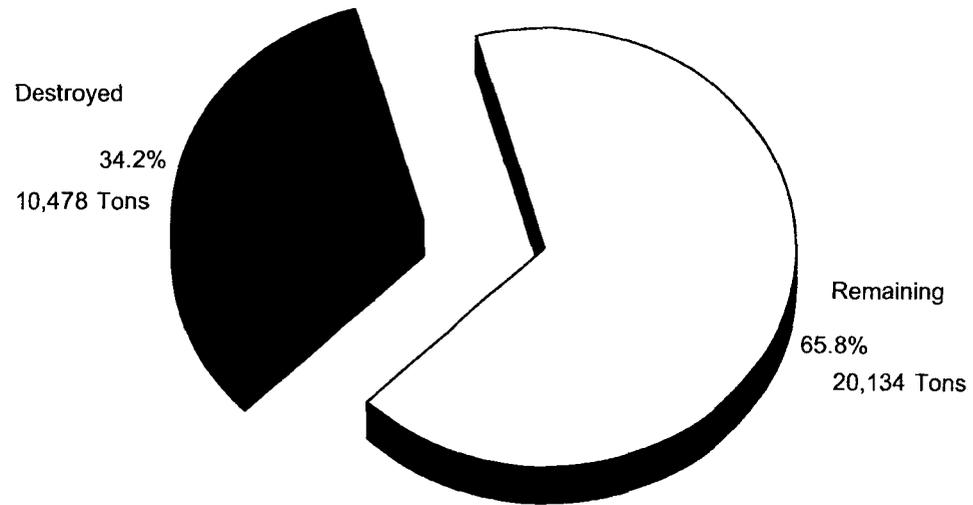


**Mustard Stockpile - 17,361 Tons**



# Percentage of CMA Agent Stockpile Destroyed After Entry Into Force (Including Non-Stockpile, PCAPP and BGCAPP)

31-Jul-05



INDUSTRIAL JOINT CROSS SERVICE GROUP

August 12, 2005

MEMORANDUM FOR FRANK CIRILLO, DIRECTOR REVIEW AND ANALYSIS

Subject: Deseret Chemical Depot OSD BRAC Clearinghouse Tasker C0845X

The following is in response to your e-mail inquiry of July 25, 2005, where you asked the following:

**QUESTION:** *The letter from the Utah delegation requests the option to convert the chemical disposal facility at Deseret for the disposal of conventional munitions after completion of its chemical disposal mission. Was this option evaluated as part of the BRAC deliberations? If not, why not? If so, was there a COBRA run to explore this scenario? If yes, please furnish the COBRA run to the BRAC Commission Staff.*

**RESPONSE:**

The option to convert the Deseret chemical disposal into a conventional ammunition disposal facility was not evaluated as part of the IJSCG BRAC deliberations and there were no COBRA runs exploring this scenario. This was not explored because federal law requires destruction of facilities constructed to destroy lethal chemical agents, following completion of its mission. Another major reason for not considering the conversion was the fact that the facility cannot support demilitarization of conventional ammunition. The initial design of the facility was for low Net Explosive Weight (NEW) detonation and as built, cannot sustain repetitive high NEW detonations.

**QUESTION:** *For the incinerator at the Deseret Chemical Depot specifically, under what law, regulation, or agreement of any type, is the chemical disposal facility required to be dismantled/destroyed? Between which parties was this agreement made? Under those agreements, what specifically must be dismantled/destroyed at Deseret?*

**RESPONSE:**

- Federal Law 50 USC 1521, as amended by Public Law 106-65, Sec. 141(b)(1)(A), states that facilities constructed to destroy lethal chemical agents and munitions may not be used for other purposes and when the facility is no longer needed, it must be cleaned, dismantled, and disposed of in accordance with applicable laws and regulations.
- As with all demilitarization, there is adherence to laws, regulations, and agreement between the Department of the Army and the Governor of the state.
- Anything that comes in contact with the agents must be destroyed (i.e. buildings, equipment, soil, concrete, etc).

**QUESTION:** *What is the estimated cost to convert the Deseret Chemical Disposal Facility into a disposal activity for conventional munitions? How long would something like this conversion take? Would this be an Army bill? If not, who would pay for this conversion?*

**RESPONSE:**

- In 1991 Congress and the Department of the Army contracted with MITRE Corp to perform a study on alternative uses for incinerator facilities. The IJCSG does not have figures on the cost to convert the facility or knowledge of how long the process would take.
- Cost would be a DoD bill since the Army has responsibility for conventional munitions demilitarization for all of the military departments.

**QUESTION:** *What specific laws, regulations, or agreements of any type would need to change in order for the chemical disposal facility located on the Deseret Chemical Depot to be converted for the disposal of conventional munitions? Who would need to agree to any change to the current agreements for the conversion to the disposal of conventional munitions?*

**RESPONSE:**

- Laws, regulations, and agreements requiring changes:
  - Public Law 98 -407
  - Corresponding Army regulations (AR 200-1, 1-35 [a][6])
  - OSHA regulations
  - National Environmental Policy Act (NEPA)
  - Resource Conservation and Recovery Act (RCRA)
  - Clean Air Act (CAA)
  - Clean Water Act (CWA)
  - Toxic Substances Control Act (TSCA)
  - Hazardous Materials Transportation (HMTA)
- Agreements would be among the Department of the Army and the state of Utah

**QUESTION:** *What are the DoD and Army positions on the potential conversion of chemical disposal facilities for the new mission of the demilitarization of conventional munitions?*

**RESPONSE:** The DoD/Army position is destruction of the incinerators versus conversion to conventional ammunition demil capability. The reasons for destruction not conversion are:

- These facilities will never be free of toxic chemicals VX, GB, and all the mustard gases.
- The facility has four furnaces that were built to destroy chemical agents with limited energetic material
- Payback is limited because there is no reclamation capability. A major payback of demil, R3 (Resource, Recovery, and Recycling), was not designed into the facility.
- Cost to perform the conversion would be extraordinary. Cost-wise, it would be easier to chop and burn vice decontaminate and reuse. Costs will out-weigh the benefits.
- The memo from the state of Utah states that Congress would have seven years to prepare for this conversion. Time is not the major factor. Funding is the issue.

**QUESTION:** *What are the leading causes for the growing backlog of the demilitarization of conventional munitions?*

**RESPONSE:**

- Insufficient funding. Demilitarization funding is often used as an Army bill payer. This is why it is critical that DoD “fence” the demil funding identified to support the BRAC recommendations.
- Strict environmental compliance that continues to reduce the amount of Open Burn/Open Detonation a facility can perform. Closed demilitarization is at 82% and new technology is predominately closed demilitarization.

Should additional information be required, feel free to contact me at 703-560-4317 or e-mail [jberry@gallows.vacoxmail.com](mailto:jberry@gallows.vacoxmail.com)

  
Jay Berry  
Executive Secretary

Department : Industrial  
 Scenario File : S:\R & A\COBRA Analysis Team\R&A Scenarios\JC-S\Indus\163 - Deseret\TAB 3\Close Deseret Chemical Depot\_Per:  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : S:\R & A\COBRA Analysis Team\COBRA 6.10 April 21 2005\BRAC2005.SFF

Starting Year : 2006  
 Final Year : 2010  
 Payback Year : Immediate

NPV in 2025(\$K): -407,453  
 1-Time Cost(\$K): 18,256

Net Costs in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	-----	-----
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	0	-3,396	-33,118	-36,514	-33,118
Overhd	0	0	0	0	-3,869	-4,106	-7,974	-4,831
Moving	0	0	0	0	3,550	0	3,550	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	1,300	0	1,300	0
TOTAL	0	0	0	0	-2,415	-37,224	-39,639	-37,949

	2006	2007	2008	2009	2010	2011	Total
	----	----	----	----	----	----	-----
POSITIONS ELIMINATED							
Off	0	0	0	0	1	0	1
Enl	0	0	0	0	0	0	0
Civ	0	0	0	0	496	0	496
TOT	0	0	0	0	497	0	497

	2006	2007	2008	2009	2010	2011	Total
	----	----	----	----	----	----	-----
POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	0	0	0	0

Summary:

Close Deseret Chemical Depot. Transfer the storage igloos and magazines to Tooele Army Depot.

*BRAC STAFF COBRA RE-TUN*

*- PERSONNEL*

*1 OFFICER, 0 ENLISTED AND, 496 CIVILIANS*

*- ELIMINATES RE-CAPITALIZATION SAVINGS DUE TO PLANNED CLOSURE OF FACILITY UPON COMPLETION OF THE CHEM DEMIL MISSION.*

Department : Industrial  
 Scenario File : S:\R & A\COBRA Analysis Team\R&A Scenarios\JC-S\Indus\163 - Deseret\TAB 3\Close Deseret Chemical Depot\_Per  
 Option Pkg Name: Close Deseret Chemical Depot  
 Std Fctrs File : S:\R & A\COBRA Analysis Team\COBRA 6.10 April 21 2005\BRAC2005.SFF

Costs in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	----	-----
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	0	13,169	0	13,169	0
Overhd	5,002	5,002	5,002	5,002	5,239	5,002	30,249	5,002
Moving	0	0	0	0	3,550	0	3,550	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	1,300	0	1,300	0
TOTAL	5,002	5,002	5,002	5,002	23,258	5,002	48,268	5,002

Savings in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	----	-----
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	0	16,565	33,118	49,683	33,118
Overhd	5,002	5,002	5,002	5,002	9,108	9,108	38,223	9,833
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	5,002	5,002	5,002	5,002	25,673	42,226	87,906	42,951

31 Jul 05

25 Jul 05

Deseret: 1 Officer, 0 enlisted, 496 civilians and no contractors\*.  
Newport: 1 Officer, 1 enlisted, 19 civilians and no contractors\*.  
Umatilla : 1 Officer, 0 Enlisted, 348 Civilians and no contractors\*.

HAWTHORNE 31 MAY 05  
1 OFFICER, 0 ENLISTED, 30 CIVILIANS

\*Contractors operate the demilitarization facility, but are not used within the depot.

2. For each installation, what is the current Army position on the completion date for the chemical demilitarization?

- o Army need[s] latest dates: N - \$ 2,614,320
- o Deseret U - 12,672,273
- o Newport D - 4,201,728
- o Umatilla

*[Handwritten notes and scribbles]*

	<u>Completion Operations</u>	<u>Closure</u>
Deseret Chemical Depot	4QFY09 - 4 QFY14	4QFY14 - 4QFY19
Umatilla Chemical Depot	2QFY12 - 4QFY17	1QFY16 - 3QFY21
Newport Chemical Depot	3QFY07 - 1QFY12	2QFY10 - 3QFY15

4. According to international treaty, what specifically at each of these chemical demilitarization facilities must be destroyed? Related to the completion of the chemical demilitarization mission, is there any related impact to the installation on which the chemical mission was located?

- o Army need list of items to be destroyed.

See attached pdf file

9. How much money has each of these facilities historically received for recapitalization?

- o Army

DCD

Real Property Maintenance Estimated Cost FY03 \$3,665,071  
Real Property Maintenance Estimated Cost FY04 \$2,067,477  
Real Property Maintenance Estimated Cost FY05 \$2,141,400

NECD

Real Property Maintenance Estimated Cost FY 03 \$3,900,000  
Real Property Maintenance Estimated Cost FY 04 \$2,585,000  
Real Property Maintenance Estimated Cost FY 05 \$2,285,000

UMCD

The annual recapitalization costs for Umatilla is estimated at \$1,527,216 per annum.

11. Please provide historic requirements for the entire chemical demilitarization account by type of round and the actual program execution dollars spent against those requirements. Please also provide planned program funding and requirements for the POM.

- o Army

The Chem Demil Program is funded separately under the CAMD.A appropriation and is issued to CMA directly from ASALT

**Environmental Restoration Cost for the 33 Major Proposed Closures**

<b>Installation</b>	<b>DERA Cost to Complete</b>	<b>MMRP Cost to Complete</b>	<b>TOTAL</b>	<b>DERA &amp; MMRP info.; <i>FY03 rpt</i>; Revised CTC data from Clearinghouse responses</b>
Kulis Air Guard Station, AK	0	0	0	DERA has spent \$0.752M through FY03, <u>RC</u>
Onizuka Air Force Station, CA	0	0	0	<u>RC</u>
Otis Air National Guard Base, MA	146.78M	0	146.78M	DERA has spent \$83.453M through FY03, <u>NPL, fact sheets, \$146,783,000 from CH Question</u>
W.K. Kellogg Airport Air Guard Station, MI	0	0	0	DERA has spent \$7.89M through FY03, <u>RC \$0 CTC</u>
Cannon Air Force Base, NM	1.20M	0	1.20M	DERA has spent \$12.5M through FY03, indicates there are ranges, no cost is given, no info on number of ranges, <u>RC</u>
Niagara Falls Air Reserve Station, NY	1.42M	0	1.42M	DERA has spent \$9.232M through FY03, <u>RC</u>
Pittsburgh International Airport Air Reserve Station, PA	0	0	0	DERA has spent \$2.095M through FY03, <u>RC</u>
Ellsworth Air Force Base, SD	25.20M	0	25.20M	DERA has spent \$67.364M through FY03, indicates this decision would require the closure of two ranges, no cost is given, <u>NPL, fact sheets, FY2028</u>
Brooks City Base, TX	3.62M	0	3.62M	DERA has spent \$41,863M through FY03
General Mitchell Air Reserve Station, WI	0.07M	0	0.07M	DERA has spent \$2.062M through FY03
<b>Air Force Total 10 sites</b>	<b>\$178.29M</b>	<b>0</b>	<b>\$178.29M</b>	

**Environmental Restoration Cost for the 33 Major Proposed Closures**

<b>Installation</b>	<b>DERA Cost to Complete</b>	<b>MMRP Cost to Complete</b>	<b>TOTAL</b>	<b>DERA &amp; MMRP info.; <i>FY03 rpt;</i> <i>Revised CTC data from Clearinghouse responses</i></b>
Riverbank Army Ammunition Plant, CA	10.73M	0.87M	<b>11.60M</b>	DERA has spent \$50.2M through FY03; no MMRA; no operational ranges, <b><i>NPL, fact sheets, FY2017</i></b>
Fort Gillem, GA	18.63M	0	<b>18.63M</b>	DERA has spent \$27.1M through FY03; 11 operational ranges, <b><i>\$8.8M - \$21.4M, FY2026</i></b>
Fort McPherson, GA	0.12M	8.78M	<b>8.90M</b>	DERA has spent \$11.1M through FY03; 4 operational ranges, 2 small arms ranges, <b><i>\$3.08M - \$29.3M</i></b>
Newport Chemical Depot, IN	1.32M	0	<b>1.32M</b>	DERA has spent \$16.3M through FY03; no operational ranges; CMA reports 1 site contains buried VX munitions, cleanup not programmed or funded, cost TBD.
Kansas Army Ammunition Plant, KA	33.39M	0	<b>33.39M</b>	DERA has spent \$30.7M through FY03; 5 operational ranges, 2 small arms ranges, <b><i>\$4.7M - \$46.6M, FY2011</i></b>
U.S. Army Garrison Michigan (Selfridge), MI	0	13.30M	<b>13.30M</b>	Completed IRP, no DERA; no operational ranges; <b><i>RC</i></b>
Mississippi Army Ammunition Plant, MS	2.3M	0	<b>2.30M</b>	DERA has spent \$0 through FY03; indicates they have MMRA, no operational ranges
Hawthorne Army Depot, NV	21.59M	361.65M	<b>383.24M</b>	DERA IRP CTC \$21.079, has spent \$28.5M through FY03; 16 operational ranges, <b><i>\$29.2M - \$324.8M, FY2032</i></b>
Fort Monmouth, NJ	3.13M	0	<b>3.13M</b>	DERA has spent \$11M through FY03; 11 operational ranges, <b><i>\$15.3M - \$110M; fact sheet, FY2017</i></b>

**Environmental Restoration Cost for the 33 Major Proposed Closures**

<b>Installation</b>	<b>DERA Cost to Complete</b>	<b>MMRP Cost to Complete</b>	<b>TOTAL</b>	<b>DERA &amp; MMRP info.; <i>FY03 rpt</i>; Revised CTC data from Clearinghouse responses</b>
Umatilla Chemical Depot, OR	8.99M	1.30M	<b>10.29M</b>	no DERA sites reported in BRAC data call, but DERP 2003 shows 117 sites \$53.5M spent through FY03, and CTC is \$10.3 M, add'l cost for UXO and or chemical \$.5M - \$20M, <b><i>NPL, fact sheets, FY2023</i></b>
Lone Star Army Ammunition Plant, TX	2.66M	0	<b>2.66M</b>	DERA has spent \$21.3M through Fy03; 3 operational ranges, <b><i>\$1.002M - \$24.17M NPL, fact sheets, FY2012</i></b>
Red River Army Depot, TX	35.72M	26.84M	<b>62.56M</b>	DERA has spent \$17.9 M through FY03; 8 operational ranges; and 2 small arms ranges, <b><i>\$6.4M - \$73.9M, IRP CTC \$35.718M, MMRP CTC \$26.838M, fact sheets, FY2032</i></b>
Deseret Chemical Depot, UT	6.46M	59.64M	<b>66.10M</b>	DERA has spent \$23.3M; UXO, chemical weapons, bldg decon, OB/OD range cleanup cost <b><i>\$1.04M - \$4.98M, MMRP CTC \$59.64M, FY2032</i></b>
Fort Monroe, VA	0	0	<b>0</b>	no DERA; no operational ranges; MMRP includes UXO in Moat; \$0 spent through FY03, <b><i>RC</i></b>
<b>Army Total 14 sites</b>	<b>145.04.M</b>	<b>\$472.38M</b>	<b>\$617.42M</b>	

**Environmental Restoration Cost for the 33 Major Proposed Closures**

<b>Installation</b>	<b>DERA Cost to Complete</b>	<b>MMRP Cost to Complete</b>	<b>TOTAL</b>	<b>DERA &amp; MMRP info.; <i>FY03 rpt</i>; Revised CTC data from Clearinghouse responses</b>
Naval Weapons Station Seal Beach Detachment, Concord, CA	40.13M	32.99M	<b>73.12M</b>	DERA has spent \$54.9M through FY03, <u><i>NPL, fact sheets, FY2017</i></u>
Naval Support Activity, Corona, CA	0	0	<b>0</b>	DERA has spent \$0 through FY03, <u><i>RC</i></u>
Naval Submarine Base, New London, CT	23.95M	0	<b>23.95M</b>	DERA has spent \$56.5M through FY03; no MMRP reported, <u><i>NPL, fact sheets, FY2020</i></u>
Naval Air Station, Atlanta, GA	0	0	<b>0</b>	DERA has spent \$0 through FY03, <u><i>RC</i></u>
Naval Support Activity, New Orleans, LA	0	0	<b>0</b>	DERA has spent \$0.3M through FY03, indicates no DERA program, <u><i>RC</i></u>
Naval Shipyard Portsmouth, ME	46.55M	0.58M	<b>47.13M</b>	DERA has spent \$46.8M through FY03, <u><i>NPL, fact sheets, FY2016</i></u>
Naval Station, Pascagoula, MS	0	0	<b>0</b>	No DERA cost, <u><i>RC</i></u>
Naval Air Station, Joint Reserve Base, Willow Grove, PA	10.31M	0	<b>10.31M</b>	DERA has spent \$6.3M through FY03, <u><i>fact sheet, FY2023</i></u>
Naval Station, Ingleside, TX	0	0	<b>0</b>	DERA has spent \$0 through FY03, <u><i>RC</i></u>
<b>Navy Total 9 sites</b>	<b>\$120.94</b>	<b>\$33.57M</b>	<b>\$154.51M</b>	

**IRP + MMRP CTC for all 33 major closures = \$950.22M**

**Cost to close operational ranges = \$69.52M to \$1,075.48M this is in addition to the above costs.**

DERA – Defense Environmental Restoration Account; MMRP – Military Munitions Response Program; NPL – National Priorities List; RC - Response Complete; FY03 rpt – FY 2003 Annual Report to Congress

**Delgado, George, CIV, WSO-BRAC**

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**From:** Pulignani, Ronald J LTC ASA(I&E) [Ronald.Pulignani@us.army.mil]  
**Sent:** Tuesday, August 09, 2005 9:45 AM  
**To:** Bieri, Elizabeth CIV WSO-BRAC; Delgado, George CIV WSO-BRAC  
**Subject:** FW: OSD Clearinghouse Tasker C0680/ Chem Depots (UNCLASSIFIED)  
**Attachments:** WeeklyReportasof31Jul05.pdf

Classification: **UNCLASSIFIED**

Caveats: NONE

informal

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**From:** Powell, Daryl Civ AMCSO  
**Sent:** Monday, August 08, 2005 3:46 PM  
**To:** Pulignani, Ronald J LTC ASA(I&E)  
**Subject:** FW: OSD Clearinghouse Tasker C0680/ Chem Depots (UNCLASSIFIED)

-----Original Message-----

**From:** Helton-Contractor, Howard ALION  
**Sent:** Monday, August 08, 2005 3:45 PM  
**To:** Powell, Daryl Civ AMCSO  
**Subject:** FW: OSD Clearinghouse Tasker C0680/ Chem Depots (UNCLASSIFIED)

Here are CMA's answers to Tasker C0680 to send to TABS  
V/R,  
Howard

-----Original Message-----

**From:** Levett, Nicholas J CMA-APG [mailto:nicholas.levett@us.army.mil]  
**Sent:** Monday, August 08, 2005 8:21 AM  
**To:** 'Helton-Contractor, Howard ALION'  
**Subject:** RE: OSD Clearinghouse Tasker C0680/ Chem Depots (UNCLASSIFIED)

CMA response in red.

**DESERET, NEWPORT, AND UMATILLA CHEMICAL DEPOTS**

1. Provide updated current certified data on the personnel levels by military officer, enlisted, civilian and contractor for each installation.
  - o Army will provide updated info
  - o Certified data reported the following for Deseret: 4 Officers, 123 enlisted, 385 civilians and no contractors
  - o Certified data reported the following for Newport: 7 Officers, 198 enlisted, 81 civilians and no contractors
  - o Certified data reported the following for Umatilla: 3 Officers, 183 Enlisted, 62 Civilians and no contractors.

Actuals as of 31 Jul 05

8/9/2005

Deseret: 1 Officer, 0 enlisted, 496 civilians and no contractors\*.  
 Newport: 1 Officer, 1 enlisted, 19 civilians and no contractors\*.  
 Umatilla : 1 Officer, 0 Enlisted, 348 Civilians and no contractors\*.

\*Contractors operate the demilitarization facility, but are not used within the depot.

2. For each installation, what is the current Army position on the completion date for the chemical demilitarization?

- o Army need[s] latest dates:
- o Deseret
- o Newport
- o Umatilla

	<u>Completion Operations</u>	<u>Closure</u>
Deseret Chemical Depot	4QFY09 - 4 QFY14	4QFY14 - 4QFY19
Umatilla Chemical Depot	2QFY12 - 4QFY17	1QFY16 - 3QFY21
Newport Chemical Depot	3QFY07 - 1QFY12	2QFY10 - 3QFY15

4. According to international treaty, what specifically at each of these chemical demilitarization facilities must be destroyed? Related to the completion of the chemical demilitarization mission, is there any related impact to the installation on which the chemical mission was located?

- o Army need list of items to be destroyed.

See attached pdf file

9. How much money has each of these facilities historically received for recapitalization?

- o Army

DCD

Real Property Maintenance Estimated Cost FY03 \$3,665,071  
 Real Property Maintenance Estimated Cost FY04 \$2,067,477  
 Real Property Maintenance Estimated Cost FY05 \$2,141,400

NECD

Real Property Maintenance Estimated Cost FY 03 \$3,900,000  
 Real Property Maintenance Estimated Cost FY 04 \$2,585,000  
 Real Property Maintenance Estimated Cost FY 05 \$2,285,000

UMCD

The annual recapitalization costs for Umatilla is estimated at \$1,527,216 per annum.

11. Please provide historic requirements for the entire chemical demilitarization account by type of round and the actual program execution dollars spent against those requirements. Please also provide planned program funding and requirements for the POM.

- o Army

The Chem Demil Program is funded separately under the CAMD,A appropriation and is issued to CMA directly from ASALT

under Operating Agency 5Z.

12. Provide the current 2005 percentage of facility utilization for each installation.
  - o Army, need percent of utilization. Thought these sites were build to perform the mission. Would expect 100% utilization of whatever they build.

The sites only missions are storage and demilitarization of chemical weapons. Utilization is 100 per cent.

----- end -----

Classification: **UNCLASSIFIED**

Caveats: NONE

**SUBJECT: Status of Agent Destruction at the Demilitarization Facilities**

1. **PURPOSE:** To update the amounts of agent destroyed at Demilitarization Facilities. As of 31 Jul 05, the destruction totals are as follows:

**JACADS** (Post EIF only in parentheses.)

Original Tonnage:	2,031 (705) Tons
Remaining Tonnage:	0 Tons
Destroyed to Date:	2,031 (705) Tons
Percent of original tonnage destroyed:	100%
Percent of original munitions destroyed:	100%

**Total Munitions and Bulk Containers Destroyed\* 412,732 (198,960)**

\*Details available upon request.

**DESERET CHEMICAL DEPOT** (Post EIF only in parentheses)

Original tonnage:	13,617 (13,361) Tons
Remaining tonnage:	6,219 (6,219) Tons
Destroyed to Date:	7,398 (7,142) Tons
Percent of original tonnage destroyed:	54.3% (53.5%)
Percent of original munitions destroyed:	89.1% (89.0%)

**Total munitions and bulk containers destroyed (DCD): 1,014,301 (1,002,448)**

**Munitions and bulk containers destroyed at TOCDF:**

- 798,703 GB nerve agent-filled projectiles (105 mm).
- 5,709 (5,456) GB nerve agent-filled ton containers.
- 4,463 GB nerve agent-filled MC-1 (750 pound) bombs
- 30,001 (18,409) GB nerve agent-filled M55 rockets & M56 Rocket Warheads
- 89,142 GB nerve agent-filled projectiles (155mm)
- 888 GB nerve agent-filled MK116 Bombs (Weteyes)
- 7,822 VX nerve agent-filled M55 rockets & M56 Rocket Warheads
- 632 VX nerve agent-filled ton containers
- 53,216 VX nerve agent-filled projectiles (155mm)
- 862 VX nerve agent-filled spray tanks
- 22,690 VX nerve agent-filled landmines

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1,014,128 (1,002,283) Total munitions and bulk containers (TOCDF)

**Munitions and bulk containers destroyed at CAMDS (from DCD Stockpile):**

- 2 VX nerve agent-filled ton containers
- 7 (0) Misc. GB nerve agent-filled ton containers
- 1 (0) VX 8-inch Projectile
- 85 HD 4.2 inch Mortars
- 66 HT 4.2 inch Mortars
- 12 H M110 155mm Projectiles

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173 (165) Total munitions and bulk containers (CAMDS)

AMSCM-OP

SUBJECT: Status of Agent Destruction at the Demilitarization Facilities

### EDGEWOOD CHEMICAL ACTIVITY<sup>1</sup>

Original tonnage:	1,625 Tons
Remaining tonnage:	83.5 Tons
Neutralized to date:	1,510.5 Tons
Agent destroyed in TCC to date:	30.7 Tons
<b>Total agent destroyed:</b>	<b>1,541.2 Tons</b>
Percent of original munitions drained:	100%
Percent of original tonnage destroyed:	94.9%
Percent of TCs cut and cleared:	30.4%

**Total bulk containers destroyed (TCC Facility) 553**

Bulk containers drained at ABCDF:

- 1,818 HD filled ton containers

### ANNISTON CHEMICAL AGENT DISPOSAL FACILITY

Original tonnage:	2,253 Tons
Remaining tonnage:	1,877 Tons
Destroyed to date:	376 Tons
Percent of original tonnage destroyed:	16.7%
Percent of original munitions destroyed:	10.4%

**Total munitions destroyed (ANAD) 68,490**

Munitions destroyed at ANCDF:

- 42,762 GB nerve agent-filled M55 rockets
- 16,026 GB nerve agent-filled 8 inch projectiles
- 9,600 GB nerve agent-filled 155mm projectiles
- 102 GB nerve agent-filled 105mm projectiles

### UMATILLA CHEMICAL AGENT DISPOSAL FACILITY

Original tonnage:	3,717 Tons
Remaining tonnage:	3,583 Tons
Destroyed to date:	134 Tons
Percent of original tonnage destroyed:	3.6%
Percent of original munitions destroyed:	11.3%

**Total munitions destroyed (UMCDF) 24,983**

Munitions destroyed at UMCDF:

- 24,983 GB nerve agent-filled M55 rockets

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<sup>1</sup> ABCDF destruction information is as of 28 July 05 due to lag in CAMIN reporting.

AMSCM-OP

SUBJECT: Status of Agent Destruction at the Demilitarization Facilities

**PINE BLUFF CHEMICAL AGENT DISPOSAL FACILITY**

Original tonnage:	3,849 Tons
Remaining tonnage:	3,775 Tons
Destroyed to date:	74 Tons <sup>2</sup>
Percent of original tonnage destroyed:	1.9%
Percent of original munitions destroyed:	11.3%

**Total munitions destroyed (PBCDF) 13,854**

Munitions destroyed at PBCDF:

- 13,854 GB nerve agent-filled M55 rockets

**NEWPORT CHEMICAL AGENT DISPOSAL FACILITY**

Original tonnage:	1,269 Tons
Remaining tonnage:	1,269 Tons <sup>3</sup>
Neutralized to date:	13.5 Tons <sup>3</sup>
Percent of original tonnage neutralized:	1.1%
Percent of original munitions drained:	1.3%

**Total containers destroyed (through TC Line) 12**

Bulk containers neutralized at NECDF:

- 18 VX nerve agent-filled Ton Container

**TOTAL ORIGINAL STOCKPILE**

Original tonnage:	31,498 Tons
Remaining tonnage:	19,944 Tons <sup>4</sup>
Destroyed to date:	11,554 Tons <sup>4</sup>
Percent of original tonnage destroyed:	36.7%
Percent of original munitions destroyed:	44.6%

**Total munitions destroyed 1,534,913**

<sup>2</sup> Tonnage destroyed based upon nominal fill weight calculations

<sup>3</sup> Note that neutralized agent amount is based on a calculation using nominal fill weight and number of TCs reported to be neutralized (actual agent destruction amount not reported in NECDF daily reports). Remaining tonnage will stay the same since hydrolysate must be destroyed before credit for destruction can be taken for treaty purposes.

<sup>4</sup> NECDF neutralized agent amount is not included in any total destruction numbers (original and EIF). Hydrolysate must be destroyed before credit for destruction can be taken

AMSCM-OP

SUBJECT: Status of Agent Destruction at the Demilitarization Facilities

**Total Stockpile Since Entry into Force (29 April 1997)**

EIF original tonnage:	29,916 Tons
EIF remaining tonnage:	19,944 Tons
EIF destroyed to date:	9,972 Tons
Percentage of EIF tonnage destroyed:	33.3%
Percentage of EIF munitions destroyed	40.7%

**Total EIF munitions destroyed** 1,309,288

**Total Non-Stockpile Since Entry into Force (29 April 1997)**

EIF original tonnage:	696 Tons
EIF remaining tonnage:	190 Tons
EIF destroyed to date:	506 Tons
Percentage of EIF tonnage destroyed:	72.7%

**Total CSD and Non-Stockpile Since Entry into Force (29 April 1997)**

EIF Category I original tonnage	30,612 Tons
Remaining tonnage:	20,134 Tons
EIF destroyed to date:	10,478 Tons
Percentage of EIF tonnage destroyed:	34.2%

**Year to Date Agent Destruction Totals (Since 1 Oct 2004)**

TOCDF:	480.4 Tons
ABCDF:	848.3 Tons
ANCDF:	156.3 Tons
UMCDF:	133.0 Tons
PBCDF:	74.1 Tons
NECDF:	13.5 Tons

**Total:** 1,705.6 Tons

TOTAL REMAINING MUNITIONS BY SITE										As of,	July 31, 2005
Munition Type	Johnston Atoll	Tooele, UT	Anniston, AL	Umatilla, OR	Pine Bluff, AR	Pueblo, CO	Blue Grass, KY	Aberdeen, MD	Newport, IN	Total Remaining Munitions	
GB M55 Rockets/M56	0	0	0	66,459	76,555	0	51,740	0	0	194,754	
GB MK-116 Weteye Bombs	0	0	0	0	0	0	0	0	0	0	
GB MC-1 Bombs	0	0	0	2,418	0	0	0	0	0	2,418	
GB MK-94 Bombs	0	0	0	27	0	0	0	0	0	27	
GB Ton Containers	0	0	0	0	0	0	0	0	0	0	
GB 155mm Projectiles	0	0	0	47,406	0	0	0	0	0	47,406	
GB 105mm Projectiles	0	0	73,938	0	0	0	0	0	0	73,938	
GB 8-inch Projectiles	0	0	0	14,246	0	0	3,977	0	0	18,223	
VX M55 Rockets/M56	0	0	35,662	14,519	19,608	0	17,739	0	0	87,528	
VX Ton Containers	0	6	0	0	0	0	0	0	1,668	1,674	
VX Spray Tanks	0	0	0	156	0	0	0	0	0	156	
VX 155mm Projectiles	0	0	139,581	32,313	0	0	12,816	0	0	184,710	
VX 8-inch Projectiles	0	0	0	3,752	0	0	0	0	0	3,752	
VX M23 Land Mines	0	0	44,131	11,685	9,378	0	0	0	0	65,194	
HD Ton Containers*	0	6,398	108	2,635	107	0	0	0	1,265	10,513	
HT Ton Containers	0	0	0	0	3,591	0	0	0	0	3,591	
HT 4.2-inch Mortars	0	62,524	183,552	0	0	20,384	0	0	0	266,460	
HD 4.2-inch Mortars	0	885	75,360	0	0	76,722	0	0	0	152,967	
HD 105mm Projectiles	0	0	23,064	0	0	383,418	0	0	0	406,482	
HD/H 155mm Projectiles	0	54,651	17,643	0	0	299,554	15,492	0	0	387,340	
L/GA/TGA Ton Containers	0	14	0	0	0	0	0	0	0	14	
<b>Totals</b>	<b>0</b>	<b>124,478</b>	<b>593,039</b>	<b>195,616</b>	<b>109,239</b>	<b>780,078</b>	<b>101,764</b>	<b>1,265</b>	<b>1,668</b>	<b>1,907,147</b>	

ABCDF HD remaining TCs cell shows number yet to be drained and number to be destroyed through the TCC

NECDF VX remaining TCs cell shows number yet to be drained

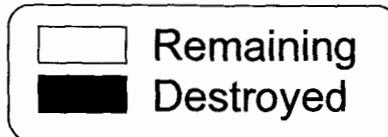
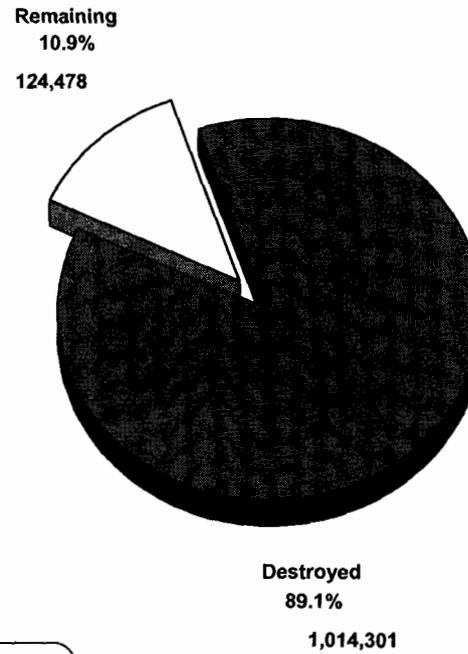
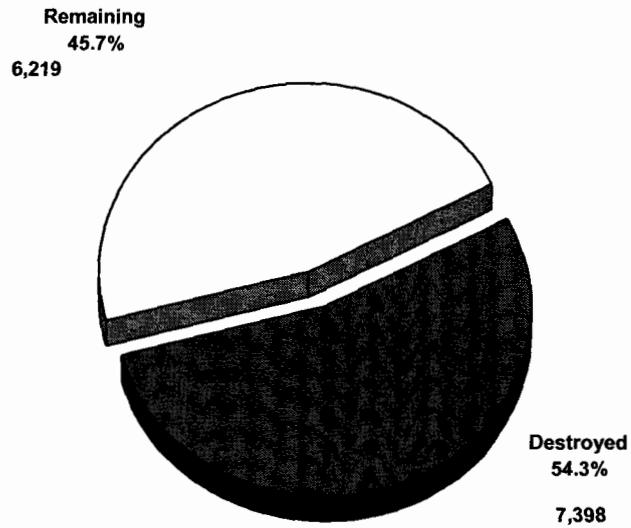
6 remaining TOCDF VX TCs are TCs that have been neutralized but the hydrolysate needs to be processed before it can be declared as having been destroyed

**Deseret Chemical Depot**  
*Agent and Munitions Processed*  
31-Jul-05

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**TOTAL AGENT TONS - 13,617**

**TOTAL # OF MUNITIONS - 1,138,779**



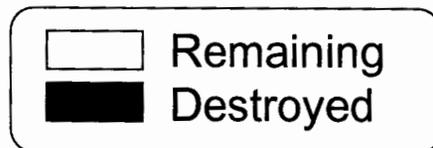
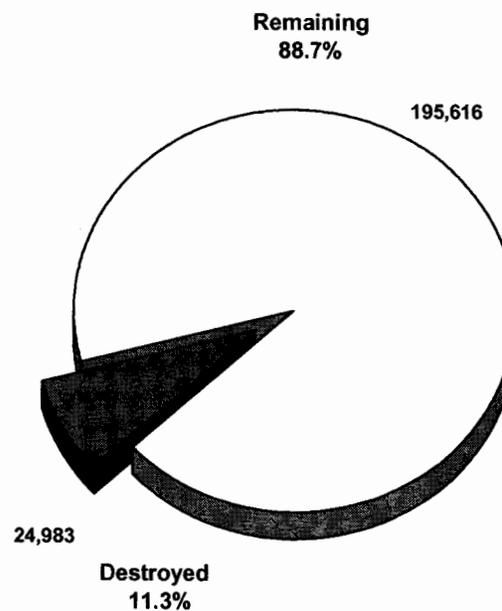
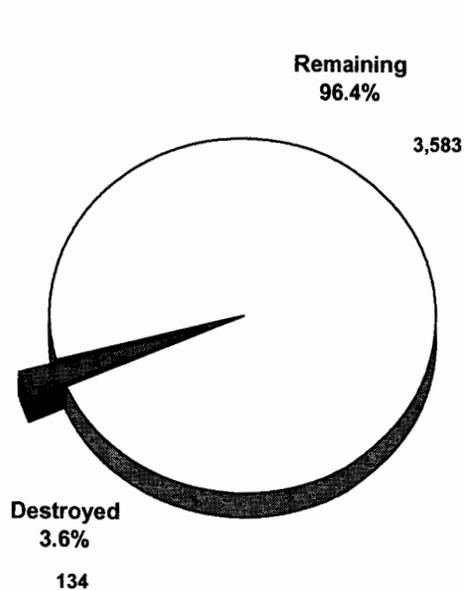
# Umatilla Chemical Depot

Agent and Munitions Processed

31-Jul-05

TOTAL AGENT TONS - 3,717

TOTAL # OF MUNITIONS - 220,599



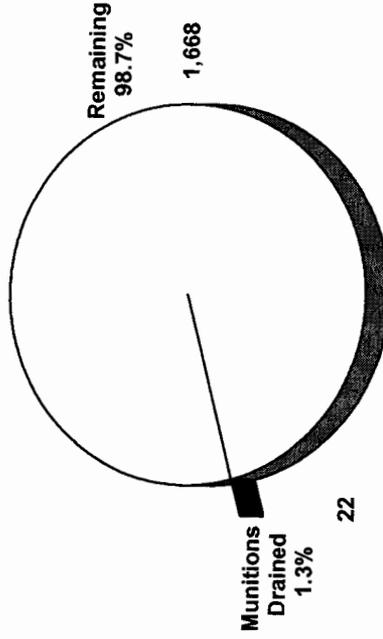
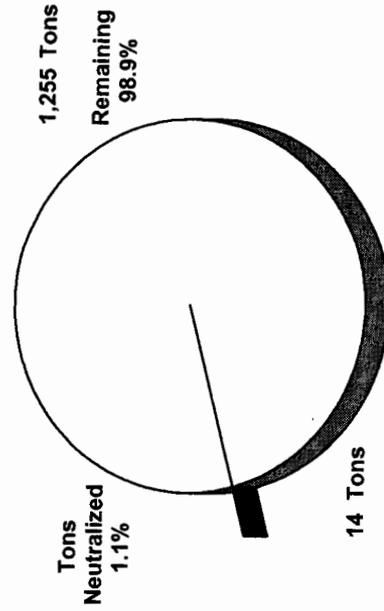
# Newport Chemical Depot

Agent and Munitions Processed

31-Jul-05

TOTAL AGENT TONS - 1,269

TOTAL # OF MUNITIONS - 1,690



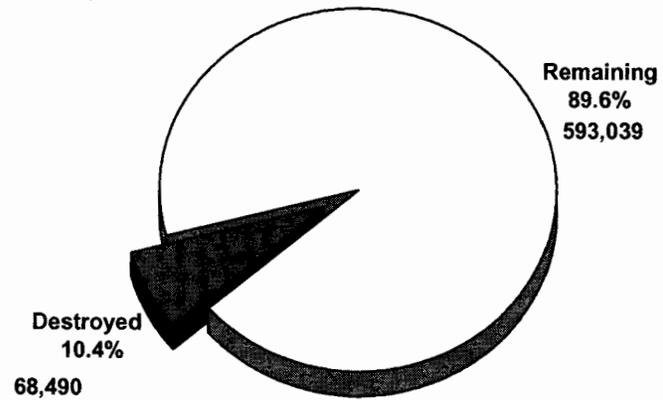
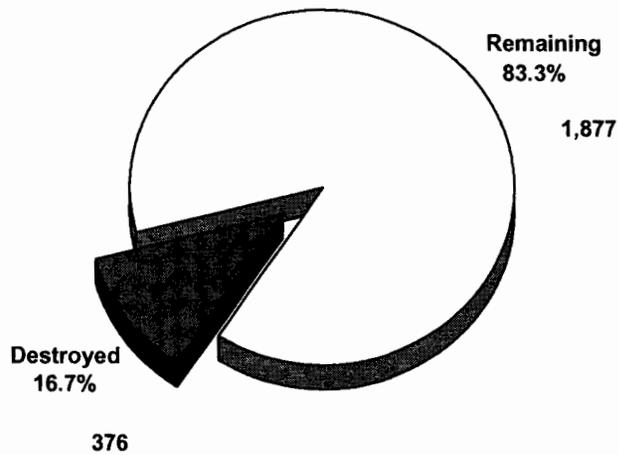
# Anniston Army Depot

Agent and Munitions Processed

31-Jul-05

TOTAL AGENT TONS - 2,253

TOTAL # OF MUNITIONS - 661,529



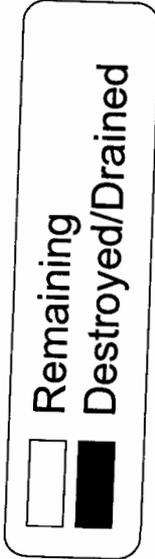
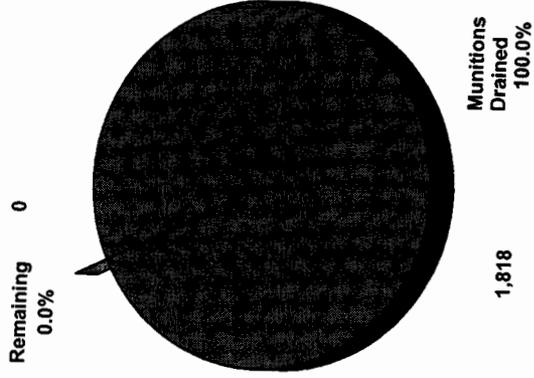
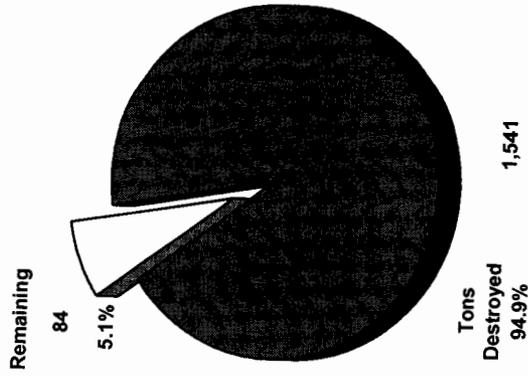
# Edgewood Chemical Activity

Agent and Munitions Processed

28-Jul-05

TOTAL AGENT TONS - 1,625

TOTAL # OF MUNITIONS - 1,818



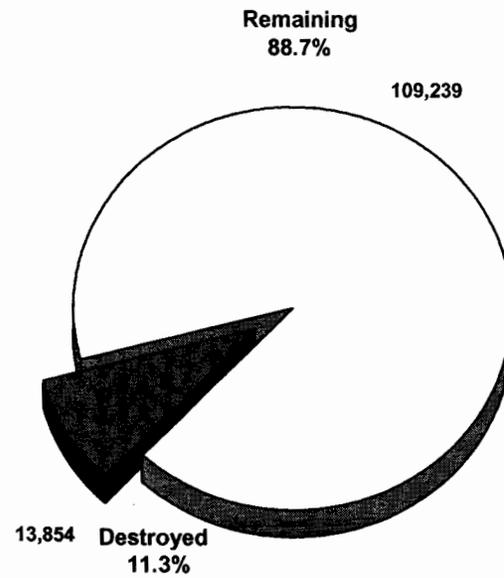
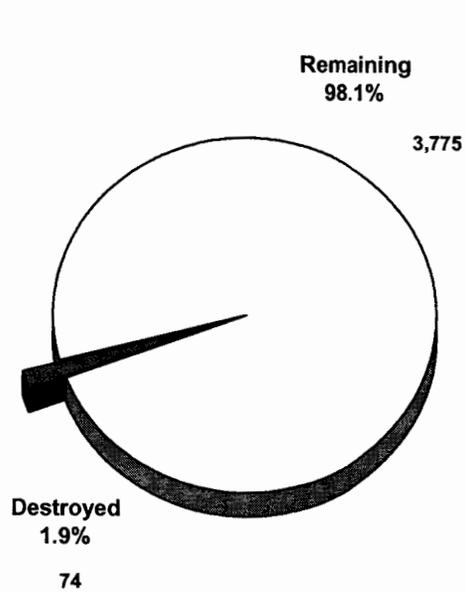
# Pine Bluff Chemical Activity

Agent and Munitions Processed

31-Jul-05

TOTAL AGENT TONS - 3,849

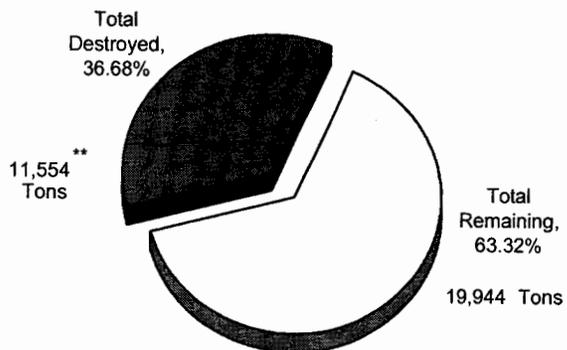
TOTAL # OF MUNITIONS - 123,093



## Percentage of CMA Agent Stockpile Destroyed (Incl. PCAPP and BGCAPP)

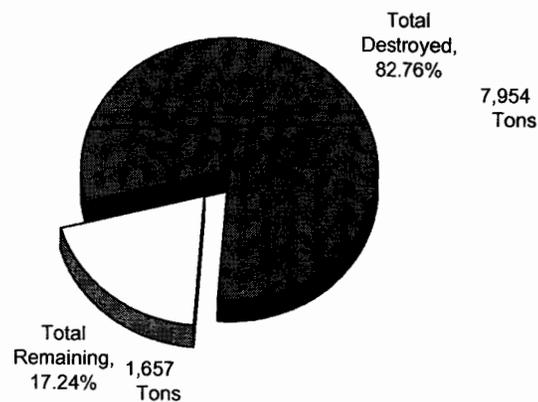
31-Jul-05

**Total Stockpile - 31,498 Tons\***

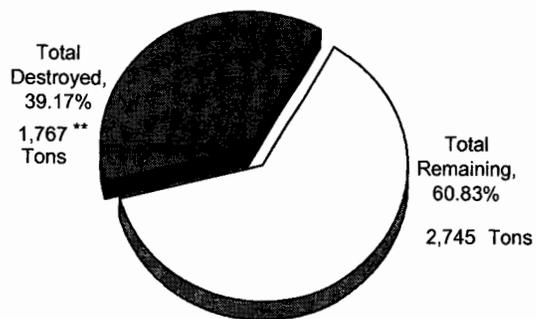


\*Includes 13 Tons of Lewisite & Miscellaneous Ton Containers  
 \*\* Includes 4 Tons of Chemical Agent Processed in Miscellaneous TCs

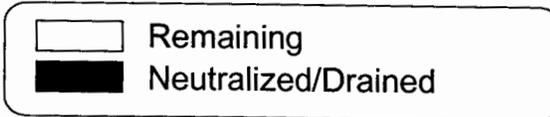
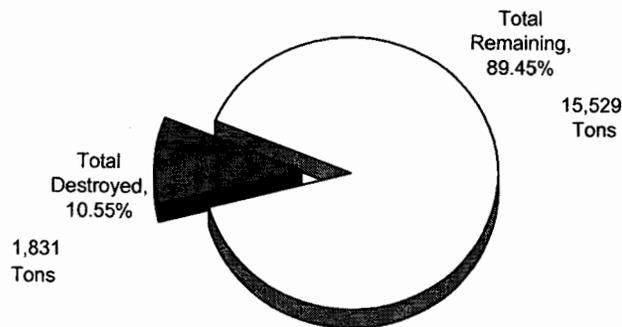
**GB Stockpile - 9,612 Tons**



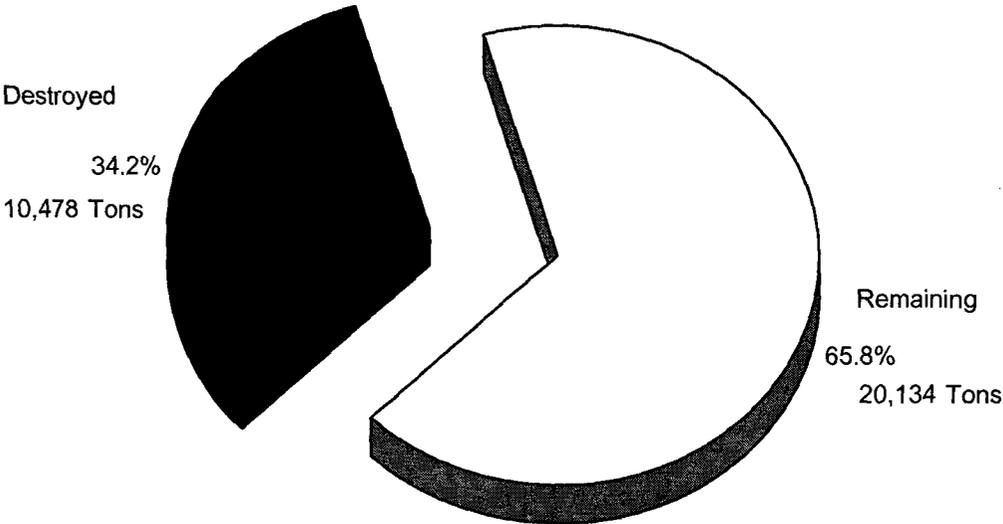
**VX Stockpile - 4,512 Tons**



**Mustard Stockpile - 17,361 Tons**



**Percentage of CMA Agent Stockpile Destroyed After Entry Into Force**  
**(Including Non-Stockpile, PCAPP and BGCAPP)**  
**31-Jul-05**



**Data Review Certification**

The completion of operations and closure dates for the US Army Chemical Materials Agency chemical demilitarization sites are as follows:

	<u>Completion Operations</u>	<u>Closure</u>
Deseret Chemical Depot	4QFY09 – 4 QFY14	4QFY14 – 4QFY19
Umatilla Chemical Depot	2QFY12 – 4QFY17	1QFY16 – 3QFY21
Newport Chemical Depot	3QFY07 – 1QFY12	2QFY10 – 3QFY15

These dates are certified as accurate and complete to the best of the certifier's knowledge and belief.

  
\_\_\_\_\_  
Michael A. Parker  
CMA Senior Mission Commander

31 May 2005  
Date

*\* NO FUNDING FOR INSTALLATION CLOSURE*



## US ARMY CHEMICAL MATERIALS AGENCY

Chemical Weapons Destruction  
1 November 2004

**Update**  
**28 July 2005**

Presentation for:  
Dr. Craig E. College  
DASA (Infrastructure Analysis)

Presented by:  
Mr. Kevin J. Flamm  
Program Manager for Elimination of Chemical Weapons  
(410) 436-3447  
kevin.flamm@us.army.mil



## Summary

### US ARMY CHEMICAL MATERIALS AGENCY

- Since the briefing to Dr. College, an additional 1,523 tons of chemical agent have been destroyed
  - 100% of Maryland stockpile eliminated (100% risk reduction)
  - 100% of Utah GB & VX stockpile eliminated (>99% risk reduction)
  - All GB rockets and most of the GB-filled projectiles have been eliminated in Alabama (>33% risk reduction)
  - Destruction operations have been initiated in Oregon, Arkansas and Indiana
- Extensions associated with FY 05 ACP Schedules are primarily for budgetary purposes & assume no improvement in performance; goal remains to complete stockpile elimination by April 2012.



## CMA Mission

US ARMY CHEMICAL MATERIALS AGENCY

*To accomplish the national imperative of eliminating the risk and expense of continued storage of the chemical stockpile and related material in a safe, environmentally sound and cost efficient manner and to enhance the national security by providing specialized chemical-biological destruction and defense capabilities*

- Safe and secure storage of the chemical stockpile and recovered chemical warfare material
- Safe and environmentally sound destruction of all chemical warfare and related material
- Compliance with the International Chemical Weapons Convention (CWC)
- Closure of the Chemical Weapons Disposal Facilities (CWDFS) and chemical stockpile storage areas
- Chem/Bio defense and smoke/obscurant industrial base missions at Pine Bluff Arsenal
- Provide authorized chemical weapons destruction assistance to other nation states

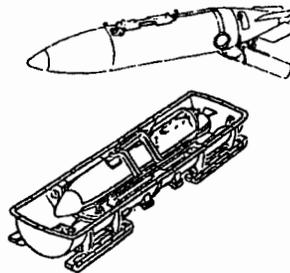


# U.S. Chemical Weapons Stockpile

## US ARMY CHEMICAL MATERIALS AGENCY



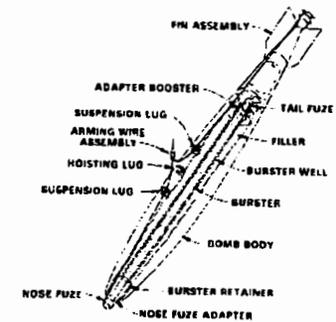
MC-1 Bombs



TMU-28/BB Spray Tanks



MK-116 (Weteye) Bombs

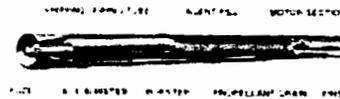


MK-94 Bombs



155-mm Projectiles

M55 ROCKET

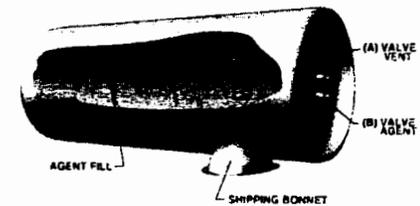


M55/M56-Rockets



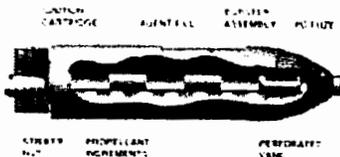
8-in. Projectiles

TON CONTAINER

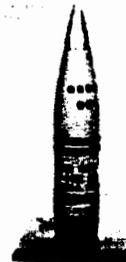


Agent In Bulk Containers

4.2 INCH MORTAR



4.2-in Projectiles



105-mm Projectiles

M23 LANDMINE



M23 Land Mines

**X** Item Has Been Completely Eliminated From U.S. Chemical Stockpile



# Chemical Stockpile Distribution By Storage Location

US ARMY CHEMICAL MATERIALS AGENCY

100% of Stockpile Now Under Contract for Destruction

Original Stockpile: 31,498 Tons  
 Current Stockpile: 19,956 Tons  
 Tons Destroyed: 11,542 Tons  
 Percent Destroyed : 36.6%  
 As of: 24 July 2005

**Umatilla,  
 Oregon**  
**UMCDF<sup>1</sup>**  
 HD-TC  
 GB - P,R,B  
 VX -  
 P,R,M,ST

**Newport,  
 Indiana**  
**NECDF<sup>1</sup>**  
 VX - TC

**Tooele,  
 Utah**  
**TOCDF<sup>2</sup>**  
 H - P; HT - C,  
 HD - C,TC  
~~GB - C,P,R,B,TC~~  
 VX - P,R,M,ST,TC  
 GA - TC

**Aberdeen,  
 Maryland**  
**ABCDF<sup>2</sup>**  
 HD - TC

**Pueblo,  
 Colorado**  
**PCAPP<sup>3</sup>**  
 HD - C,P  
 HT - C

**Pine Bluff,  
 Arkansas**  
**PBCDF<sup>1</sup>**  
 HD - TC  
 HT - TC  
 GB - R  
 VX - R,M

**Anniston,  
 Alabama**  
**ANCDF<sup>2</sup>**  
 HD - C,P,TC  
 HT - C  
 GB - C,P,R-  
 VX - P,R,M

**Blue Grass,  
 Kentucky**  
**BGCAPP<sup>3</sup>**  
 HD - P  
 GB - P,R  
 VX - P,R



Hawaii

GA, GB, VX, H, HD, HT = Chemical Agent  
 TC = Ton Container  
 B = Bombs  
 R = Rockets  
 M = Mines  
 ST = Spray Tanks  
 C = Cartridges  
 P = Projectiles

Operational

Under Construction/Systemization

Design

Operations Complete

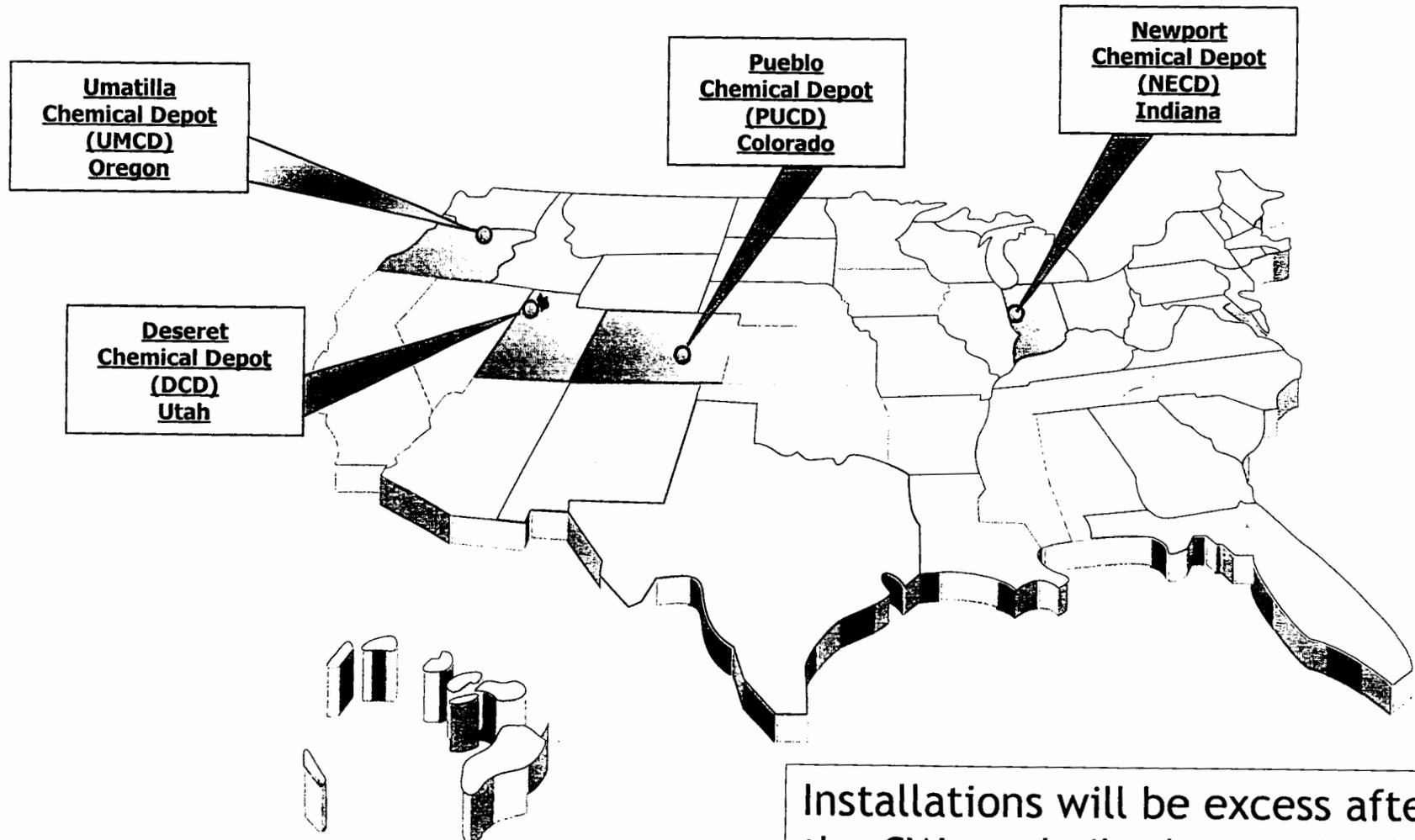
States Participating in Chemical Stockpile Emergency Preparedness Program.

- <sup>1</sup> PMECW
- <sup>2</sup> Director Operations
- <sup>3</sup> PMACWA



# CMA "Owned" Installations

US ARMY CHEMICAL MATERIALS AGENCY



Installations will be excess after the CW stockpile destruction has been completed



# Chemical Weapons Destruction Facilities

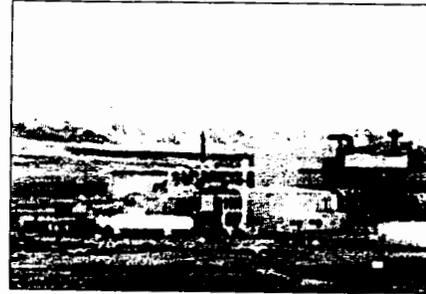
## US ARMY CHEMICAL MATERIALS AGENCY



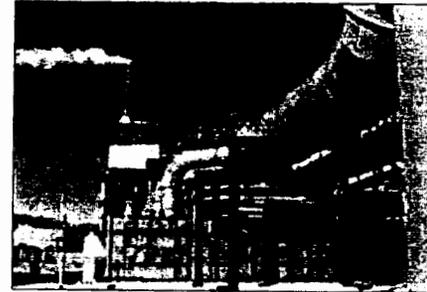
After



**JACADS**  
Johnston Atoll  
Closed

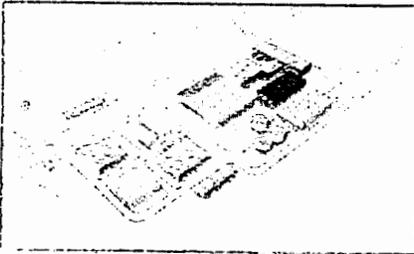
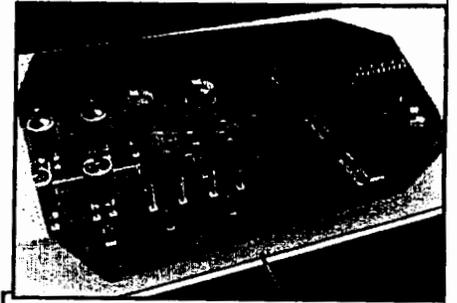


**TOCDF**  
Utah  
Operating

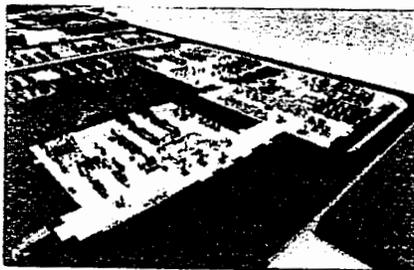


**ANCDF**  
Alabama  
Operating

**ABCF**  
Maryland  
Operating-  
Agent  
Destruction  
Completed  
Ton Container  
Cleanout in  
Process



**BGCAPP**  
Kentucky  
Design

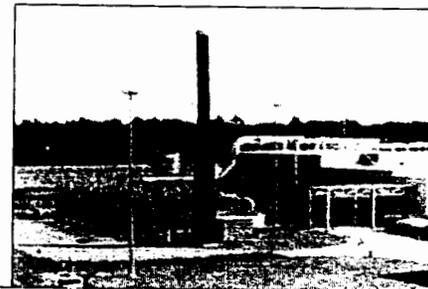
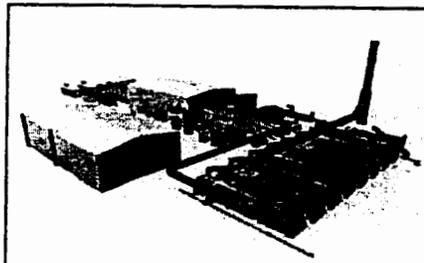


**PCAPP**  
Colorado  
Design

**NECDF**  
Indiana  
Operating

**PBCDF**  
Arkansas  
Operating

**UMCDF**  
Oregon  
Operating



BGCAP & PCAPP are managed by PMACWA and not CMA



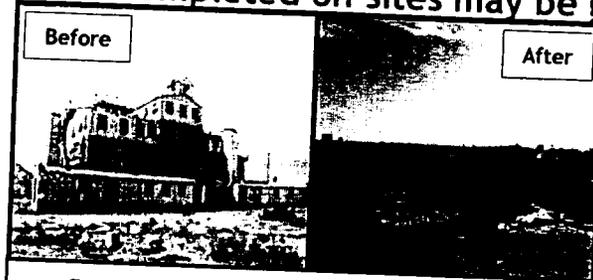
# Former Chemical Weapons Production Facilities (As of 6 Mar 05, Approximately 83% of Former Capacity Destroyed)

## US ARMY CHEMICAL MATERIALS AGENCY

Actual work completed on sites may be greater than listed Treaty percentages



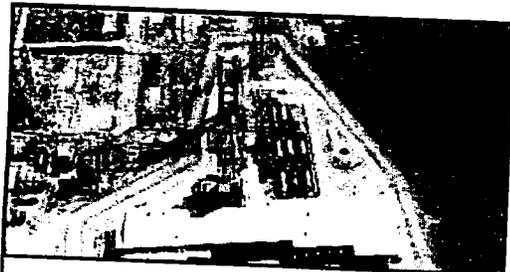
Aberdeen Proving Ground, Maryland  
Pilot Plant  
Destroyed



Rocky Mountain Arsenal, Colorado  
HD Distillation Facility  
Destroyed



Rocky Mountain Arsenal, Colorado  
HD Fill Facility  
Destroyed



Newport Chemical Depot, Indiana  
VX Prod & Fill Facility  
30%/86% Destroyed



Rocky Mountain Arsenal, Colorado  
GB Production and Fill Facility  
Destroyed



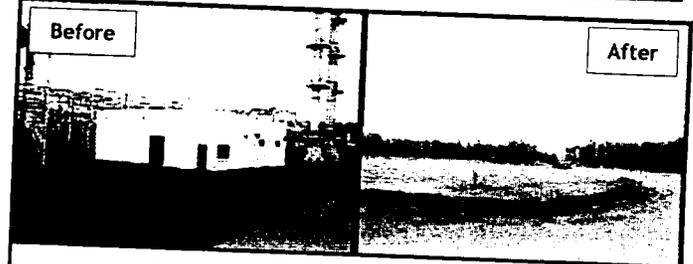
Pine Bluff Arsenal, Arkansas  
DC Production Facility  
Destroyed



Pine Bluff Arsenal, Arkansas  
BZ Fill Facility  
Destroyed



Pine Bluff Arsenal, Arkansas  
DF Production & Fill Facility  
92% Destroyed



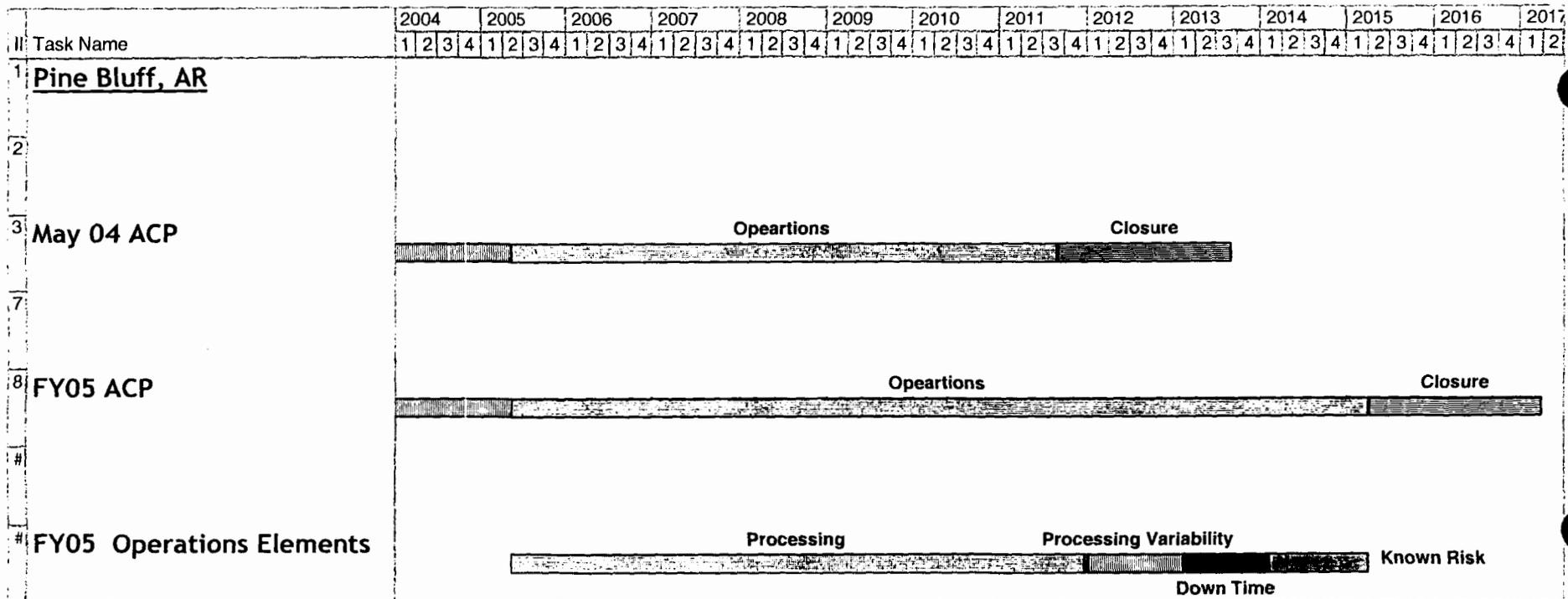
Pine Bluff Arsenal, Arkansas  
QL Production and Fill Facility  
Destroyed





# PBCDF FY 05 ACP Operations Schedule Impact of Processing Variability, Down Time and Risk (50%)

US ARMY CHEMICAL MATERIALS AGENCY



***Extension associated with FY 05 ACP Schedules are primarily for budgetary purposes & assume no improvement in performance***





# ACWA Schedule Comparison

## US ARMY CHEMICAL MATERIALS AGENCY

### Assembled Chemical Weapons Alternatives (ACWA) FY

2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023  
 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4 1 2 3 4

#### Pueblo, CO (PCAPP)

Ap# 03 APB Objective

Funding Unconstrained (Option 1)

Funding Constrained (Option 2)

Option 3

Option 4

Option 5

#### Blue Grass, KY (BGCAPP)

Ap# 03 APB Objective (To Be Determined)

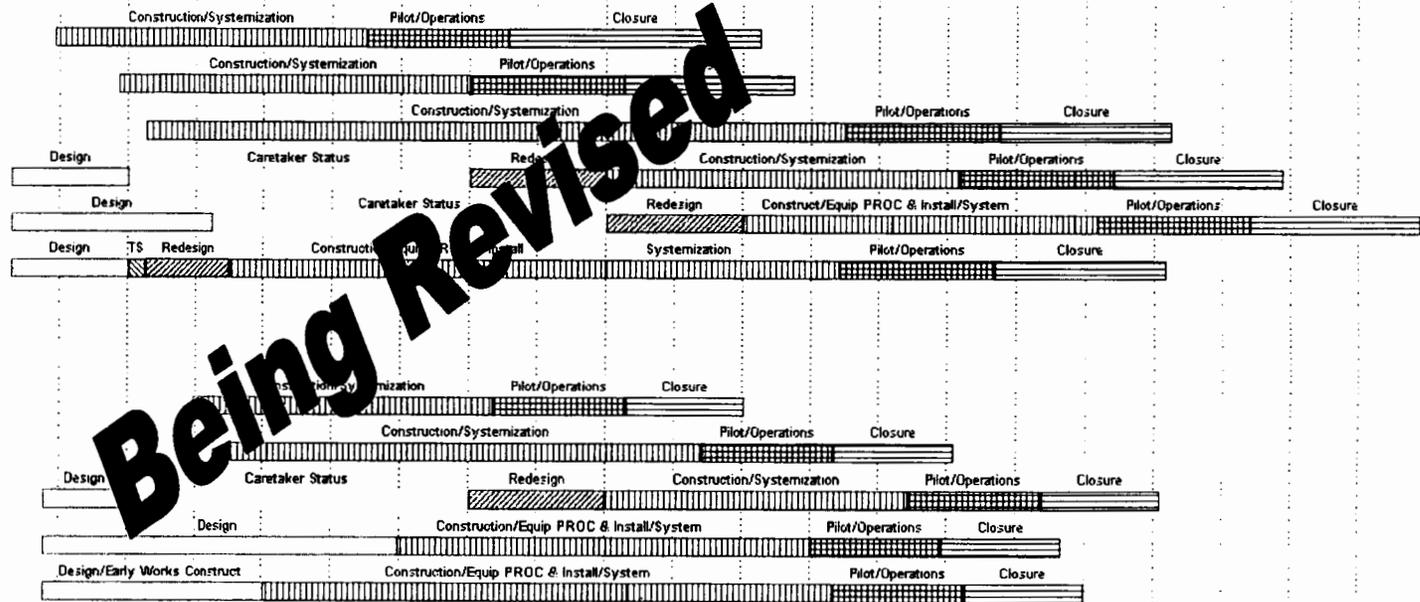
Funding Unconstrained (Option 1)

Funding Constrained (Option 2)

Option 3

Option 4

Option 5



\*The **Redesign Phase** equals risk built into the schedules. If redesign is not needed, the following will occur:

1. Pueblo (Option 3) – No savings, since this option is limited by funding, redesign will be replaced by an extension to caretaker status for two years.
2. Pueblo (Option 4) – Potential two year savings. Agent Operations would end in FY 2019.
3. Blue Grass (Option 3) – Potential one year savings. Caretaker would extend one year, and Agent Operations would end in FY 2017.



### US ARMY CHEMICAL MATERIALS AGENCY

- Since the briefing to Dr. College, an additional 1,523 tons of chemical agent have been destroyed
  - 100% of Maryland stockpile eliminated (100% risk reduction)
  - 100% of Utah GB & VX stockpile eliminated (>99% risk reduction)
  - All GB rockets and most of the GB-filled projectiles have been eliminated in Alabama (>33% risk reduction)
  - Destruction operations have been initiated in Oregon, Arkansas and Indiana
- Extensions associated with FY 05 ACP Schedules are primarily for budgetary purposes & assume no improvement in performance; goal remains to complete stockpile elimination by April 2012.



US ARMY CHEMICAL MATERIALS AGENCY

# BACK-UP CHARTS



### US ARMY CHEMICAL MATERIALS AGENCY

**Choose a Common Reference Point Such as Residential or Light Industrial Use. However, There may be Sites Where Permanent Monitoring and Prevention of Access may be Required (Like Portions of RMA), or Places Where “Green Fielding” may be Required. Having a Single Common Point of Reference Will at Least Enable the Progression From Surveys to Action.**



## Chemical Weapons (CW) Burial Sites

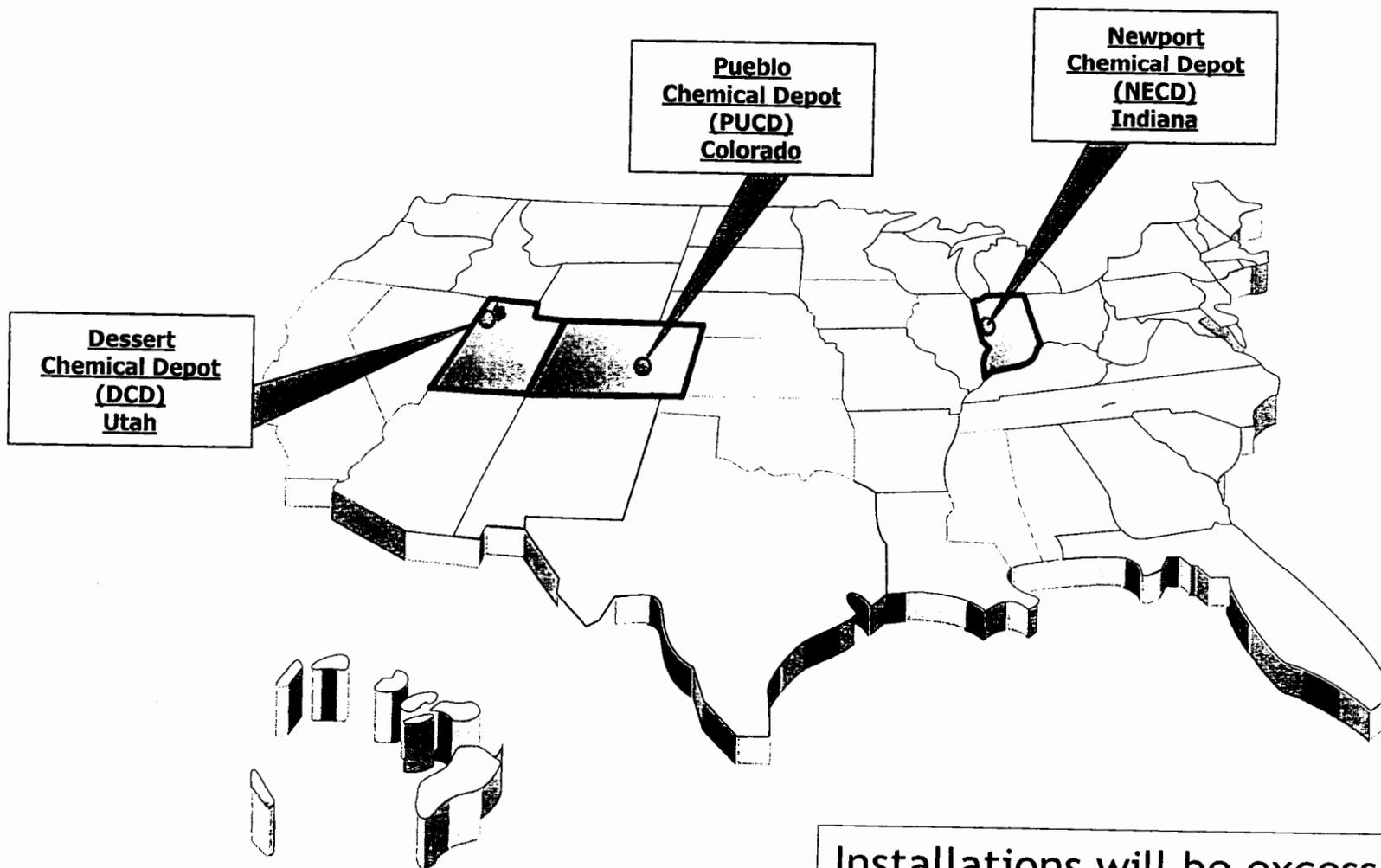
US ARMY CHEMICAL MATERIALS AGENCY

- CMA not funded for clean-up of chemical weapons burial sites.
- The Survey and Analysis Report, submitted in 1996 by PMNSCM, identified 168 sites containing varying types and quantities of buried CWM, located primarily on active Army installations and Formerly Used Defense Sites (FUDS)
- Three CMA installations have known burial sites:
  - Deseret Chemical Depot, Utah
  - Newport Chemical Depot, Indiana
  - Pueblo Chemical Depot, Colorado
- The burial sites are certain to be an issue that will need to be addressed as part of installation closure planning



# CMA "Owned" Installations with CW Burial Sites

US ARMY CHEMICAL MATERIALS AGENCY

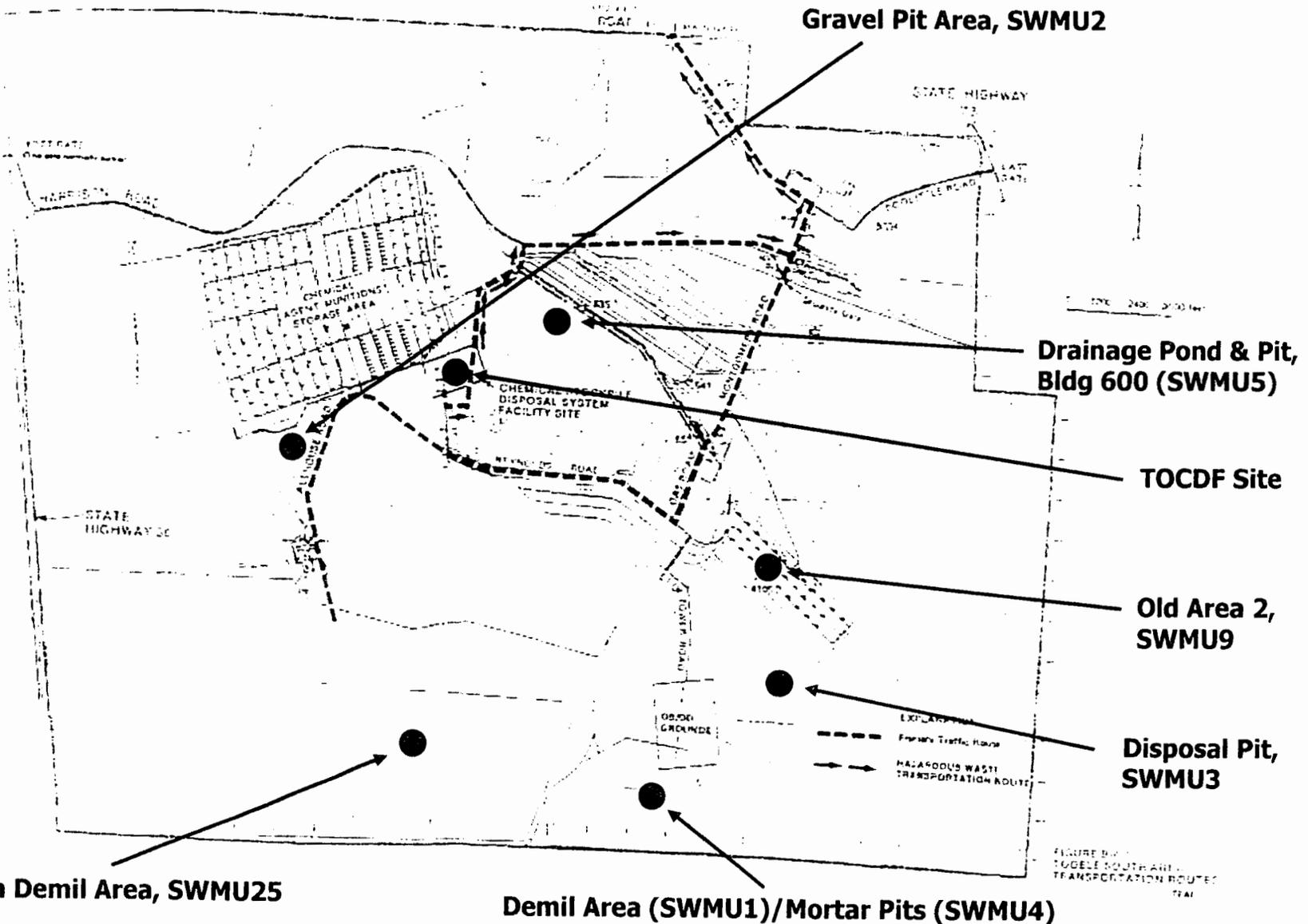


Installations will be excess after the CW stockpile destruction has been completed



# Deseret Chemical Depot CW Burial Sites

US ARMY CHEMICAL MATERIALS AGENCY



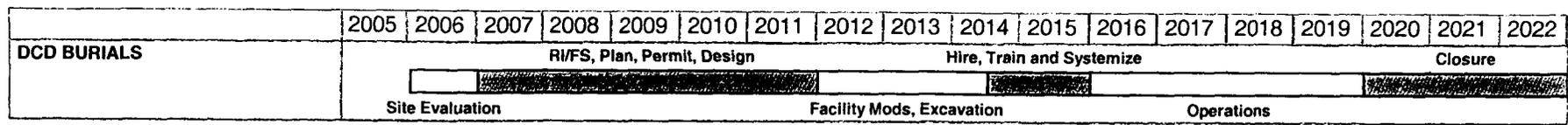


# Deseret Chemical Depot CW Burial Sites (cont.)

## US ARMY CHEMICAL MATERIALS AGENCY

Site	Size	Description/Content	Class.
Demil Area (SWMU1)/Mortar Pit (SWMU4)	Unknown	SWMU 1; approximately 27 pits used for disposal of chemical munitions 1940s-1950s; mustard buried without burning; mustard bombs, incendiaries, smoke, one GA bomb	Known Burial
Gravel Pit Area, SWMU2	5.8 acres	In SWMU 2 within Area 10; items not demilitarized prior to burial; smoke pots, bombs, incendiaries and mustard	Likely Burial
Western Demil Area, SWMU25	1,478 acres	SWMU25; consists of covered burning and disposal trenches similar to those in SWMU1, large scrap piles, and a number of deep explosion craters	Known Burial
Old Area 2, SWMU9	250,000 sq ft	Mustard spill area late 1950s; decontaminated and plowed into ground	Possible Burial
Drainage Pond & Pit, Bldg 600 (SWMU5)	140 sq ft	Unlined drainage pond by Bldg 600, SWMU 5; wastewater from HE, incendiaries, smoke and mustard projectiles	Possible Burial
Disposal Pit, SWMU3	Unknown	Covered disposal pit south of storage area 2, SWMU 3; reportedly contains drums marked decontaminating agent non-corrosive; may contain agent breakdown products	Possible Burial

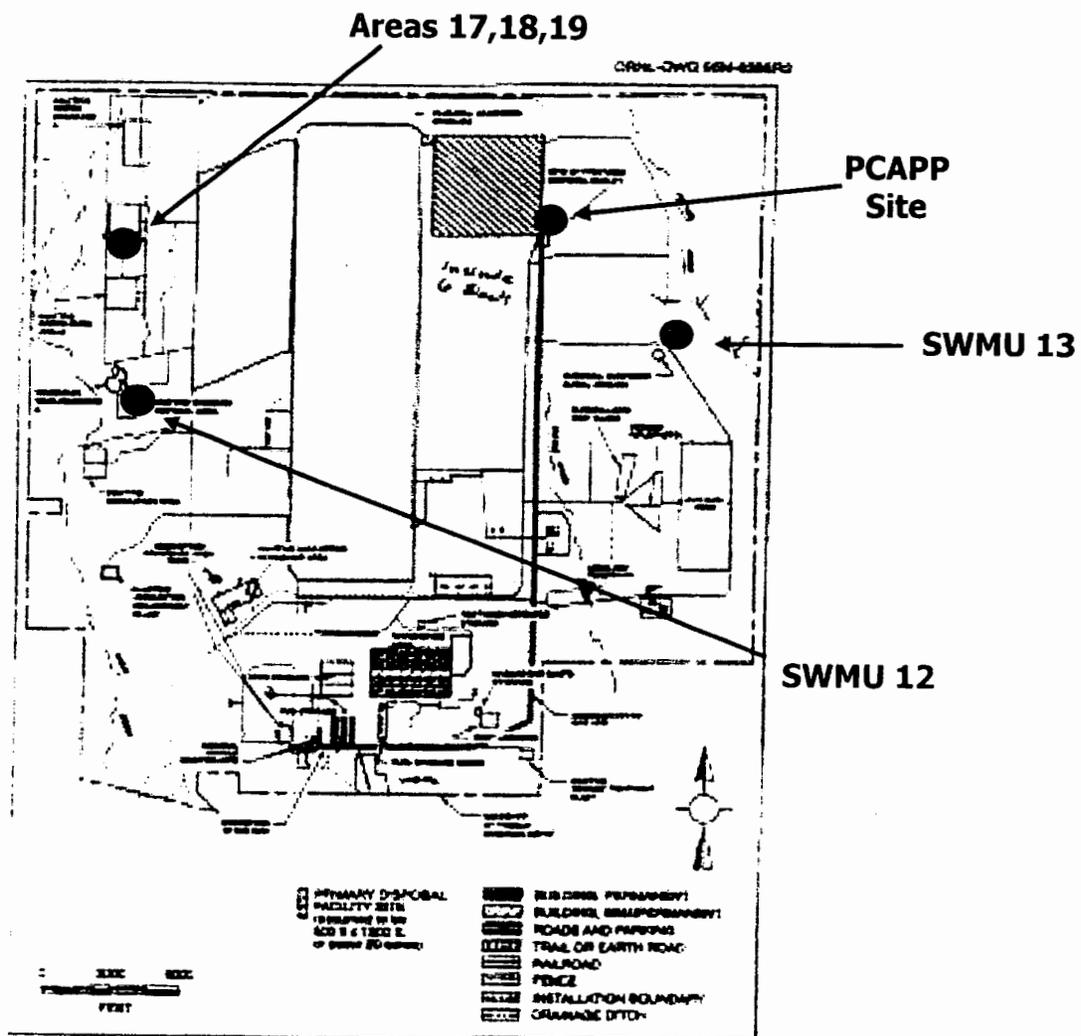
**DCD BURIAL PROCESS FLOW:** Plan, Document, Investigate, Permit, Excavate, and Modify Existing TOCDF Facility to Accommodate a Chemical Neutralization Process to be Used for CWM Destruction Operations.





# Pueblo Chemical Depot CW Burial Sites

## US ARMY CHEMICAL MATERIALS AGENCY





Pueblo Chemical Depot  
CW Burial Sites (cont.)

US ARMY CHEMICAL MATERIALS AGENCY

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Site	Size	Description/Content	Class.
SWMU 12	~6 acres	Mustard disposal area 1965-1968, leaking mustard artillery and mortar shells destroyed by burning	Likely Burial
SWMU 13	0.25 acres	Chemical warfare materiel burial 1942-1946; mustard bombs disposed by burning	Likely Burial
Areas 17, 18, 19	Less Than 100 Acres	Three pits may have been used for mustard disposal	Suspect Burial
SWMU 2	25 acres	Demolition area HE (High Explosives) and suspected mustard	No Further Action

**PUCD BURIAL PROCESS FLOW:** Plan, Document, Investigate, Excavate and Modify Muniton Accessing Equipment in the Existing ACWA Facility to be Used for CWM Destruction Operations.

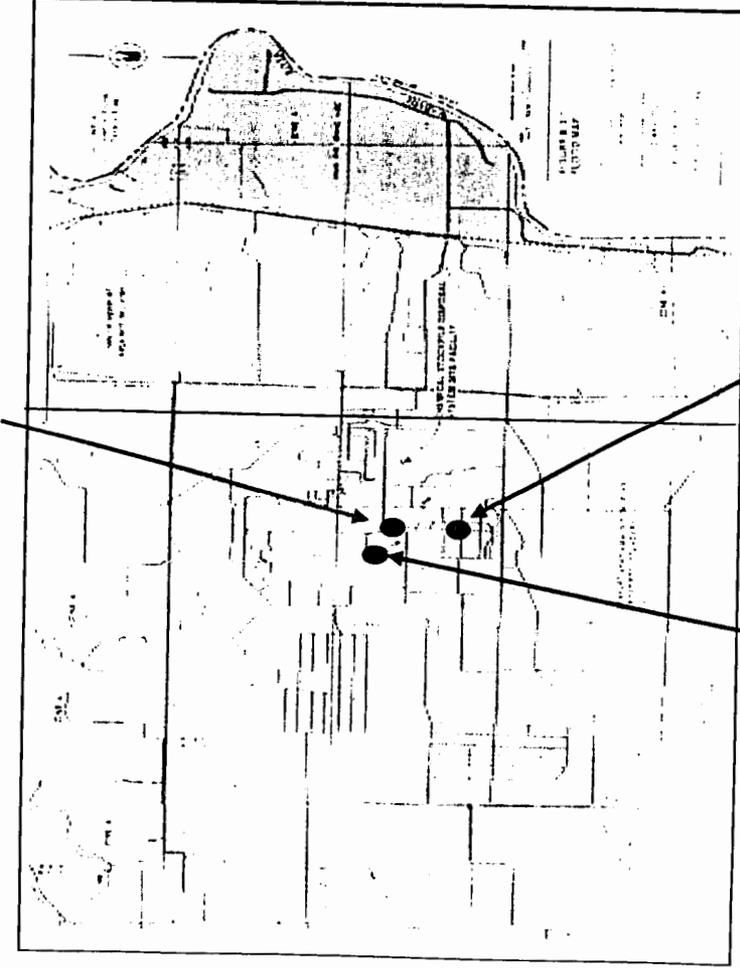
	2005	2006	2007	2008	2009	2010	2011	2012
PUCD BURIALS	RI/FS, Plan, Design				Operations			
	Site Evaluation			Eq. Mods, Excavation				



# Newport Chemical Depot Suspect CW Burial Sites

US ARMY CHEMICAL MATERIALS AGENCY

Former VX Production Facility



NECDF  
Site

Decontaminated Waste Burial Ground, NAAP 022

- Installation Remediation Status - Work Under DERA Ongoing, but Known Burial Pits Have not Been Investigated

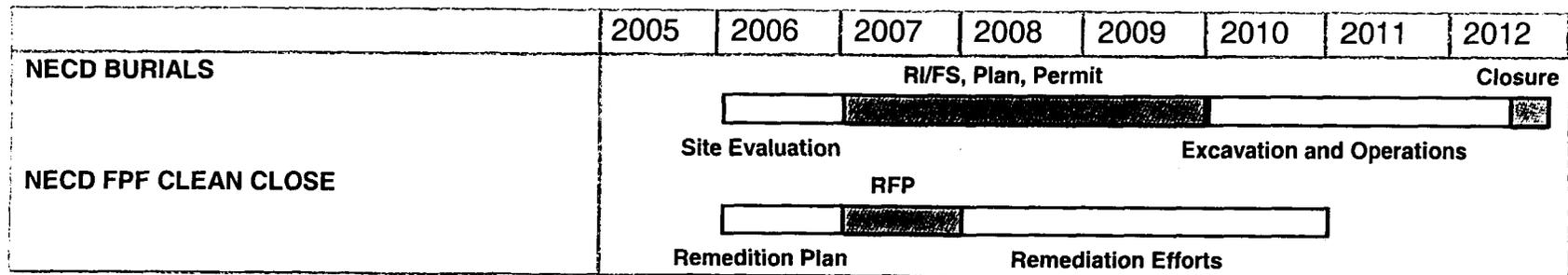


# Newport Chemical Depot Suspect CW Burial Sites (cont.)

## US ARMY CHEMICAL MATERIALS AGENCY

Site	Size	Description/Content	Class.
Decontaminated Waste Burial Ground, NAAP 022	Less Than 10 Acres	Holding basins and burial grounds; possible residue from nerve agent VX decontamination and burning	Suspect Burial

**NECD BURIAL PROCESS FLOW:** Plan, Document, Investigate, Permit, Excavate and Utilize Non-Stockpile Equipment, EDS and LITANS, for CWM Destruction Operations.  
**NECD FPF CLEAN CLOSE PROCESS FLOW:** Plan and Remediate FPF Site (Concrete Foundations, Soil, and Water Treatment).





DEPARTMENT OF THE ARMY  
OFFICE OF THE ASSISTANT SECRETARY OF THE ARMY  
ACQUISITION LOGISTICS AND TECHNOLOGY  
103 ARMY PENTAGON  
WASHINGTON DC 20310-0103

LAL 08 2005

SAAL-ZC

MEMORANDUM FOR DEFENSE ACQUISITION EXECUTIVE

SUBJECT: Acquisition Program Baselines (APB), Chemical Demilitarization Program(CDP)--INFORMATION MEMORANDUM

Enclosed are two revised Army APBs for the CDP: Chemical Demilitarization--Chemical Materials Agency and Chemical Demilitarization--Chemical Materials Agency (Newport), corresponding to the revised CDP structure.

As I informed your office in my January 6, 2005 memorandum, a detailed, requirements-based life cycle cost estimate was underway to provide realistic cost and schedule estimates to support revised APBs. The process successfully culminated with Army Cost Positions (ACP), approved May 26, 2005, which form the basis of these revised APBs. A representative from the Cost Analysis Improvement Group (CAIG) actively observed the U.S. Army's schedule and estimating methodology that resulted in the ACPs. The U.S. Army methodology closely resembles the CAIG approach, with the Army's estimates being approximately 10 percent higher than the CAIG estimate. While the two estimates are not completely reconciled, as directed in the December 21, 2004, Chemical Demilitarization Acquisition Decision Memorandum, the Army will continue to work with the CAIG as necessary to ensure the intent is satisfied. Additionally, the APBs contain language proposed by Office of the Secretary of Defense staff to address the issue of potentially not meeting current Chemical Weapon Convention treaty requirements.

While many challenges beyond the U.S. Army's control exist for the CDP, I believe the cost and schedule estimates reflected in these APBs will provide a level of stability that has not existed in this program in the past. The U.S. Army Leadership continues to support all efforts to safely accomplish the remaining mission in an expeditious manner.

  
Claude M. Bolton, Jr.  
Army Acquisition Executive

Enclosure

\*\*\*UNCLASSIFIED\*\*\*

## ACQUISITION PROGRAM BASELINE AGREEMENT

### Chemical Demilitarization-Chemical Materials Agency

With the objective of enhancing program stability and controlling cost growth, we, the undersigned, approve this baseline document. Our intent is that this program be managed within the programmatic, schedule, and financial constraints identified.

If the Chemical Demilitarization Program continues on its current path, the U.S. will not meet the Convention's absolute latest date of 29 April 2012 to have 100 percent of its Category 1 chemical weapons destroyed. However, the end-dates noted in the schedule section are for budgetary purposes and include significant risk estimates; it is anticipated that all systems contracts will be negotiated and executed toward completion of destruction by April 2012. The undersigned will pursue measures to accelerate destruction to increase the probability of meeting the Chemical Weapons Convention deadline.

This Acquisition Program Baseline (APB) agreement is a summary and does not provide detailed program requirements or content. It does, however, contain key performance, schedule, and cost parameters that are the basis for satisfying an identified mission need. As long as the program is being managed within the framework established by this baseline, in-phase reviews are unnecessary.

This is one of three APBs for the Chemical Demilitarization Program. For a comprehensive account of all Chemical Demilitarization activities, see also the baselines for Chemical Demilitarization-Chemical Materials Agency Newport and Chemical Demilitarization-Assembled Chemical Weapons Alternatives.

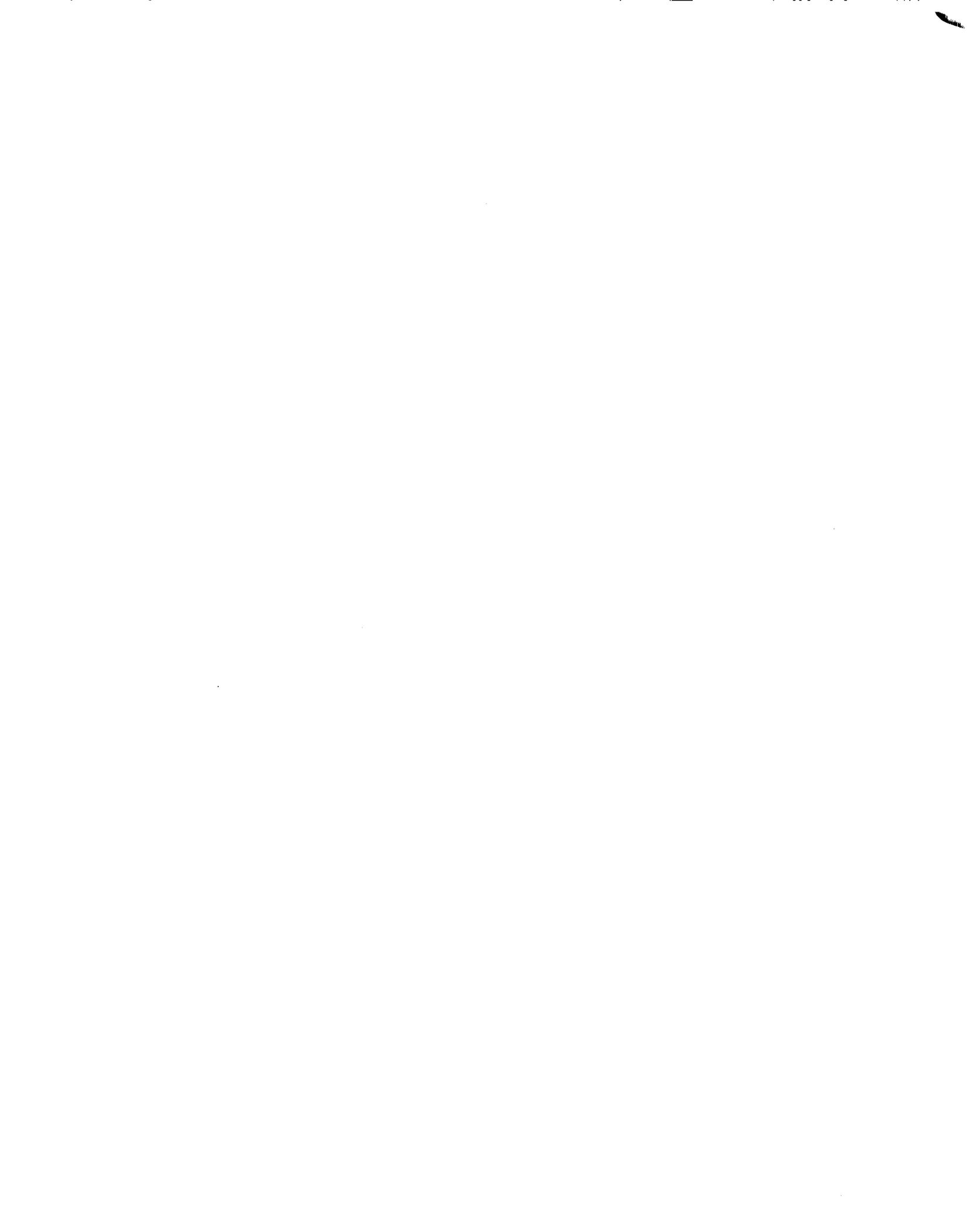
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\*\*\*UNCLASSIFIED\*\*\*  
 Chemical Demilitarization-Chemical Materials Agency Newport  
 Acquisition Program Baseline

Section B. Schedule

Event	APB 04/02/03		Proposed APB	
	Objective	Threshold	Objective	Threshold
CWC Compliance (Entry into Force 29 APR 97) <sup>1</sup>				
1% U.S. Category 1 Chemical Weapons Destroyed <sup>2</sup>	SEP 98		SEP 97	
20% U.S. Category 1 Chemical Weapons Destroyed <sup>3</sup>	JUL 01		JUL 01	
45% U.S. Category 1 Chemical Weapons Destroyed <sup>4</sup>	APR 04	APR 04	DEC 07	DEC 07
100% U.S. Category 1 Chemical Weapons Destroyed <sup>5</sup>	APR 12	APR 12	TBD	TBD
<b>NEWPORT (NECDF)<sup>6</sup></b>				
Milestone 0	AUG 94		AUG 94	
Milestone I/II	DEC 96		DEC 96	
Milestone III	MAY 02		MAY 02	
Submit RCRA/CAA Permit Applications	APR 98		APR 98	
Begin Construction	NOV 00		NOV 00	
Begin Operations	FEB 05	FEB 06	MAY 05	
100% Chemical Agent Destroyed <sup>7</sup>	JAN 06	JAN 07	OCT 11	OCT 12
Complete Operations <sup>5,7</sup>	NOV 07	NOV 08	OCT 11	OCT 12
Begin Closure	NOV 07	NOV 08	OCT 11	OCT 12
Complete Closure	APR 09	APR 10	MAY 15	MAY 16

*IN BRAC*  
*Complete Operations with  
 50% to 100%  
 within*



## **Chapter 6, Sec. 163: Deseret Chemical Depot – UT**

(Intro Slide)

Mr. Chairman and Commissioners, the next recommendation for your consideration appears in Chapter 6, Section 163 of the Bill.

(Spider Chart)

This recommendation closes Deseret Chemical Depot and transfers the storage igloos and magazines to Tooele Army Depot, UT.

(DOD Justification slide)

Thank you Mr. Van Saun.

Mr. Chairman and Commissioners, the Department of Defense justifies the closure of Deseret Chemical depot by stating that no additional workload is slated to go to the depot and projects its mission completion by the second quarter of 2008.

The Department of Defense expects this closure to require one-time costs of \$4.37 M dollars and generate a 20-year net present value savings of \$356.4 million dollars with an immediate payback. According to the department closure affects 248 personnel positions.

(Issues Slide)

This slide summarizes the key issues that were developed during analysis of this recommendation and are grouped by their associated selection criteria.

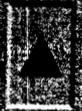
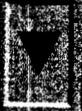
Our review revealed information that updated mission completion and closure dates for the Deseret Chemical Depot. New information projects completion of the chemical demilitarization mission between the 4th Qtr of FY09 and the 4th Qtr of FY14 with closure up to 5 years after mission completion. Dates beyond 2011 exceed the BRAC implementation period.

We made two adjustments to the cost scenarios presented by DoD in support of this recommendation. The first adjustment reduced questionable recapitalization savings from the closure of the chemical depot. GAO questioned

the application of recapitalization savings for chemical depots that will close once the chemical demilitarization mission concludes and have no future mission. The second adjustment modified personnel numbers by eliminating 126 military positions that were at the depot temporarily to provide site protection and increasing civilian employment by 111 positions to reflect staffing levels as of July 31, 2005.

The results of these adjustments are, an increase to \$18.3 M in one time costs, maintains the immediate payback period and, an increase in 20 year net present value savings of (\$407.4 M) mainly due to reductions in civilian employment.

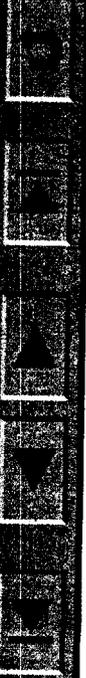
In conclusion, Mr. Chairman and Commissioners we found that for the Deseret Chemical Depot recommendation there was deviation from final criteria # 1. This concludes my testimony and I am ready to answer questions you or the other commissioners may have.

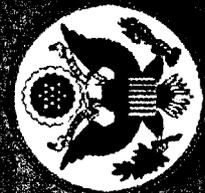




**Deseret  
Chemical  
Depot, UT**

**Tooele Army  
Depot, UT**





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100-100000-100000

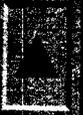
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100-100000-100000

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100-100000-100000

11



11

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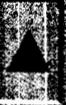
EXIT



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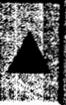


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# Deviation from Final Selection Criteria

Military Value      Other

Criterion	C1	C2	C3	C4	C5 (1, 2, 3)	C6	C7	C8
Deviation	X							

X=Deviation





### COBRA DATA

	<b>DoD COBRA Run</b>	<b>Staff Excursion (correct personnel #s)</b>
<b>One Time Cost</b>	<b>\$4.4 M</b>	<b>\$18.3M</b>
<b>Net Implementation (Savings)</b>	<b>(\$65.1 M)</b>	<b>(\$39.6M)</b>
<b>Annual Recurring (Savings)</b>	<b>(\$30.3 M)</b>	<b>(\$37.9M)</b>
<b>Payback Period</b>	<b>Immediately</b>	<b>Immediately</b>
<b>Net Present Value at 2025 (Savings)</b>	<b>(\$356.4 M)</b>	<b>(\$407.4 M)</b>

## **Analysis: Deseret Chemical Depot, UT (Industrial # 17, Closure)**

- Mission is chem. Demil.
- Destined for closure at end of mission, may not have needed to close through BRAC
  - This depot will likely miss its mission completion timeframe; its completion will fall out of the BRAC timeframes.
    - Recommendation states 2<sup>nd</sup> quarter of FY 08
    - Updated projection states range 4<sup>th</sup> quarter of FY 09 through 4<sup>th</sup> quarter of FY 14 (not certified data) with closure 5 years later
- Amounts of agents destroyed/remaining (7/31/05):
  - Original tonnage: 13,617
  - Destroyed to date: 7,398
  - Remaining tonnage: 6,219
  - Percentage of original munitions destroyed: 89.1%
- Delay in completion of chem. demil mission at Deseret, will delay transfer of its igloos to adjacent Tooele Army Depot limiting Tooele potential to store retrograded munitions from OCONUS
- The depot will benefit from closure under BRAC as resources will become available for:
  - site personnel relocation and training,
  - the community to continue planning for reuse and,
  - the environmental cleanup of the installation.
- Recommendation may need qualifying language to place on the record:
  - mission completion
  - treaty compliance
  - decontamination/disposal of demilitarization facilities per state requirements
  - any and all required certifications
- Voting options:
  - Exclude from BRAC because the time period exceeds the BRAC timeframe
  - Vote to accept closure with conditional language to the end of the mission in the event the time period exceeds the BRAC timeframe
- COBRA issues:
  - Military personnel figure used in COBRA included a large contingency of temporary personnel guarding the facility after the 9/11 attack, this force is no longer at the installation
    - Staffing levels provided by the depot as of 7/31/05 are – 1 Officer, 0 Enlisted, 496 government employees.
    - Contract personnel not included in COBRA
    - The military guard force has been civilianized.
  - Disagree with recapitalization cost savings application to a facility that was slated for closure upon completion of its chemical demil mission

## **Analysis: Deseret Chemical Depot, UT (Industrial # 17, Closure)**

- Environmental restoration cost:
  - DERA Cost to Complete – 6.46 M
  - MMRP Cost to Complete – 59.64 M
  - Total – 66.10 M
  - DERA has spent \$23.3M; UXO, chemical weapons, bldg decon, OB/OD range cleanup cost \$1.04M - \$4.98M, MMRP CTC \$59.64M, FY2032

Tiffany Perry 600-22A

DCN-5869  
Executive Correspondence

5862

Bill Castle, MALA for

Senator Hatch

202-224-0815

direct line

Congress of the United States

Washington, DC 20515

July 26, 2005

total: 375  
pages

The Honorable Anthony J. Principi  
Chairman - Defense Base Closure and Realignment Commission  
2521 South Clark Street, Suite 600  
Arlington, VA 22202

Re: ~~Deseret Chemical Depot, Utah~~

Dear Mr. Chairman:

We are writing to request Commission approval of two proposed modifications to the 2005 Defense Base Closure and Realignment (BRAC) recommendation issued by the Department of Defense (DoD) on May 13, 2005 relating to the Deseret Chemical Depot, Utah. That recommendation called for the closure of the depot and the dismantling of its incineration facility upon completion of its current chemical munitions disposal mission. Our two proposed recommendations are as follows:

1. The report cited an incorrect date regarding the completion of the depot's current mission which should be corrected.
2. The depot should be utilized for conventional munitions disposal activities after its chemical mission is completed.

First, the DoD recommendation stated that Deseret's mission would be completed by the 2<sup>nd</sup> quarter of 2008. This assumption is simply not accurate. On July 18, 2005, some of our staff members were able to confirm through Mr. Dale Ormond, Deputy Assistant Secretary of the Army for the Elimination of Chemical Weapons, that the mission completion date for the Deseret Chemical Depot would be, at the earliest, sometime in the year 2012, and possibly beyond. These delays are due to further modifications to the industrial incineration plant, as well as process changes, associated with the switch-over to its final workload of mustard gas.

Therefore, we would appreciate the Commission correcting the COBRA information with regard to the mission completion date for Deseret Chemical Depot.

Second, we strongly support the concept of using the Deseret incinerator for conventional munitions disposal activities at the culmination of its chemical mission. The Deseret facility represents over \$1 billion in prior U.S. taxpayer investment, when considering the total costs of its engineering, design, construction, equipment, licensing, and demonstration. This large investment should not be abandoned. It would be a more responsible use of taxpayer funds, as well as more environmentally-friendly, to consider converting the chemical destruction plant to a conventional munitions disposal operation rather than completely dismantling and tearing-down this facility.

The Honorable Anthony J. Principi  
PAGE 2:  
July 26, 2005

The Department of the Army, at the request of Congress, contracted with the MITRE Corporation in 1991, to complete a feasibility study on possible alternative uses of its chemical demilitarization incinerators. (See Enclosure 1 – CD-ROM). While that report is nearly 14 years old, the engineering studies it is based upon are still valid in support of the technical viability of converting such facilities to a conventional mission. Further, while this study called into question the economics of such a conversion, we believe that the report's economic arguments should be re-evaluated and balanced in light of the ever-growing stockpile of obsolete conventional munitions, and greatly increased environmental restrictions against most forms of existing conventional disposal methods during the intervening years since that report was completed.

The [REDACTED] (TEAD) located adjacent to the Deseret facility, currently has a conventional munitions storage and disposal mission. TEAD is prepared to support the Deseret facility by assuming a significant amount of this growing conventional workload from the Department of the Army, as well as other services. Under the DoD recommendation, TEAD is already slated to receive additional conventional munitions work from the proposed closure of the Army's Hawthorne, Nevada facility.

Although a conversion of the Deseret incinerator to conventional disposal would ultimately require: (1) a change in federal law; (2) support from the Governor of Utah through a modification in the current Memorandum of Agreement with the Army, and; (3) funding provided by the Congress, the period which remains in Deseret's chemical mission of at least seven more years will allow the Congress and the Department of Defense ample time to investigate and study such a conversion in greater detail.

Therefore, we propose that the Commission include language similar to the draft (See Enclosure 2) provided with this letter, granting the Congress and the Department of Defense flexibility in pursuing these ideas more fully and not precluding them all-together under the original DoD recommendation which will have the force and effect of law unless altered by the Commission's final report.

Thank you for taking our views into consideration.

Sincerely,



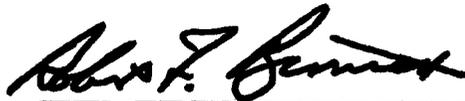
Member of Congress



Chris Cannon  
Member of Congress



Orrin G. Hatch  
United States Senator



Robert F. Bennett  
United States Senator

Enclosure 2:

DESERET CHEMICAL DEPOT, UTAH.

PROPOSED REPORT LANGUAGE

The original Department of Defense (DoD) recommendation is to close Deseret Chemical Depot at the conclusion of its current chemical munitions disposal mission, which is slated to be completed in calendar year 2012. The recommendation also notes that, under existing federal law (50 USC 1521, as amended by Public Law 106-65, Sec. 141(b)(1)(A)), the incinerator at Deseret Chemical Depot must be torn-down at the conclusion of the chemical mission.

Deseret Chemical Depot's incinerator is the largest full-scale plant constructed by the Department of the Army under its Chemical Demilitarization Program, and Deseret will ultimately be responsible for having successfully de-milled nearly 60% of the United State's stockpile of obsolete chemical munitions. The total cost of designing, building, permitting, and equipping the Deseret facility represents nearly \$1 billion in prior taxpayer investment.

Each of the Army incinerators, including Deseret, are operating pursuant to agreements between the Department of the Army and the Governors of the respective states where the facilities are located. In echoing current federal law, those agreements invariably call for the dismantling of the incinerators once their chemical missions are completed.

The Commission notes that, at the direction of the Congress, the Department of the Army contracted with the MITRE Corporation in 1991 to complete a study on alternative uses for these incinerator facilities. This study validated the technical feasibility of converting the existing incinerators for various other uses, including conventional munitions disposal. While this study is over 14 years old, there is nothing to indicate that the engineering studies undertaken on alternative uses, including conventional de-milling activities, are no longer valid. The Commission further takes note that there is a growing backlog of obsolete conventional munitions and energetics within the Army and other services requiring disposal. Increasingly strict environmental regulations governing open-air destruction of these materials are contributing to the growing backlog of conventional materials, and may require more environmentally-sensitive methods of disposal such as incineration and scrubbed emissions; capabilities which the existing Deseret facility already provides.

Finally, the Commission notes that there is significant support within the State of Utah and the Utah Congressional Delegation for converting the Deseret Chemical Depot incinerator to conventional munitions disposal; a current mission at adjacent Tooele Army Depot. Under the most optimistic of scenarios, it will take the Army until the year 2012 for the existing Deseret Chemical mission to be completed. Given all of these facts, it would seem reasonable to provide the Congress flexibility over the next seven years to

-2-

re-examine use of the Deseret incinerator facility to provide a means of disposing of conventional munitions and energetics once its chemical mission is completed.

**RECOMMENDATION:** The Commission directs that the DoD recommendation regarding the Deseret Chemical Depot, Utah, be modified as follows:

The Deseret Chemical Munitions Disposal Facility shall be allowed to remain open beyond the year 2012 and not dismantled, contingent upon the following conditions being met by no later than December 31, 2011:

(1) The Congress repeals or modifies existing federal law requiring dismantling of the Deseret Chemical Depot incinerator facility, to allow for modification and use of the facility for conventional munitions and energetics disposal activities only, and;

(2) The Governor of the State of Utah consents through a new Memorandum of Agreement with the U.S. Army and/or the Secretary of Defense, to follow-on uses of the Deseret facility for conventional munitions and energetics disposal.

Should these two requirements not be met by the deadline, the Commission directs that the original DoD recommendation requiring the closure, dismantling, and excess property transfer to Tooele Army Depot, of Deseret Chemical Depot facilities, be carried out as contained in the original 2005 DoD recommendation.

"No one can take this process for granted," she said.

The BRAC Commission has asked good questions about the consolidation and Denver has excellent resources to expand the DFAS facility, said DeGette.

### **Senators propose new mission for Cannon**

The Associated Press State & Local Wire  
(Cannon Air Force Base, NM)

August 5, 2005

This eastern New Mexico air base would be home to the Defense Department's fledgling Airborne Laser program under a plan proposed by New Mexico's two senators.

Sens. Pete Domenici, R-N.M., and Jeff Bingaman, D-N.M., sent a letter to Defense Secretary Donald Rumsfeld on Thursday, urging him to consider the option.

Cannon Air Force Base, near Clovis, is one of 33 major bases around the country targeted for closure as part of the Base Realignment and Closure process. The Pentagon has estimated it would save \$2.7 billion over 20 years by closing Cannon, costing the base's 2,385 military employees and 384 civilian jobs and about 2,000 more indirect jobs.

The economic impact of the base has been estimated at \$200 million a year - about a third of the Clovis economy in a community of about 36,000.

In their letter to Rumsfeld, the senators said the citizens of Clovis are hardworking people who have supported the Air Force for years.

"The base should not be closed," they wrote. "It seems to us that if the (laser) program needs a base, Cannon Air Force Base should be considered."

As part of the senators' plan, the laser program would include eight Boeing 747 aircraft and a chemical plant that needs to be located far from populated areas.

"A strategic asset like the Airborne Laser program is best suited in a rural area with plenty of airspace and sufficient infrastructure to support a significant amount of personnel and equipment," Domenici said Thursday. "It appears to me that Cannon Air Force Base would be a perfect fit."

Domenici cited the base's unrestricted flying conditions and strong support from the community.

Bingaman said by failing to take the laser program and Cannon into consideration, the Defense Department limits its options for the future deployment of national security assets.

"Cannon Air Force Base has all the amenities needed for this effort, including expansive airspace, modern and un-encroached facilities and ramp space," Bingaman said.

The senators said the management office for the laser program is currently located at Kirtland Air Force Base in Albuquerque and that housing operations at Cannon would give it access to the Air Force scientific community.

### **Utahns propose extending life of Deseret Chemical Depot**

The Associated Press State & Local Wire (Salt Lake City, UT)  
August 4, 2005

Utah's Republicans in Congress want to prolong the life of the Deseret Chemical Depot by having it dispose of conventional weapons after it finishes its mission of destroying chemical weapons.

"You could transform what's already there," Rep. Rob Bishop said Wednesday in an interview with the Washington bureau of The Salt Lake Tribune. "Rather than just tearing down the facility that you spent a billion dollars to put up, making it useful would keep jobs there and keep it (running)."

The Pentagon has recommended to the Base Realignment and Closure Commission that the incinerator near Tooele be torn down after it finishes destroying chemical weapons.

But in a letter last week to Anthony Principi, chairman of the Base Realignment and Closure Commission, the Utah Republicans requested that commissioners leave open the option that Deseret's mission could be changed to dispose of aging shells, rockets and missile parts.

"This large investment should not be abandoned," they wrote. "It would be a more responsible use of taxpayer funds, as well as more environmentally friendly, to consider converting the chemical destruction plant to a conventional munitions disposal operation rather than completely dismantling and tearing down this facility."

The Utah members said a senior Pentagon official confirmed to them that work at the incinerator is far behind schedule and the earliest the chemical demolition could be completed is 2012. That is three years later than the Pentagon told Congress earlier this year.

To make the change, Congress would have to change the existing law, which calls for the incinerator to be decommissioned and torn down. It would also require renegotiating the existing agreement between the governor and the Army.

An Army Materiel Command report said there are about 397,000 tons of conventional munitions awaiting disposal. Existing defense facilities can dispose of a maximum of about 156,000 tons of weapons annually.

Bishop said the munitions are currently burned or detonated in the open, "which has its own environmental problems."

The Pentagon already recommended in its May report the closure of Hawthorne Army Depot in Nevada - where the munitions are currently disposed of - and relocating the storage and demilitarization functions to Tooele Army

Depot. The proposal has been met with strong resistance from the Hawthorne community.

The delegation's letter is attached to a 370-page engineering study commissioned by the Pentagon in 1991, which said it is technically possible, but could be costly to convert the incinerator.

### **Pentagon plan for Detroit Arsenal could provide more jobs**

The Associated Press State & Local Wire  
(Detroit, MI)  
Ken Thomas  
August 4, 2005

A Pentagon plan to streamline the nation's military bases could bring about 1,100 jobs to the Detroit Arsenal in Warren, several hundred more than originally anticipated, the federal base closing commission said Thursday.

The commission received written confirmation from the Army that the job gains at the Detroit Arsenal would exceed the original estimate of about 650 jobs under the Pentagon plan, said Robert McCreary, a commission spokesman.

The Pentagon plan released in May did not take into account about 450 administrative and staff positions that would be shifted from the Rock Island Arsenal in Illinois to the Michigan installation.

McCreary said Rock Island didn't include some information in a questionnaire that would have provided a better calculation of workers. He said the "more accurate numbers" reflect a potential shift of 1,100 jobs to Michigan.

The Defense Department proposal would make the Detroit Arsenal the military's pre-eminent center for automotive and ground vehicle research and development. Local supporters hailed the latest development.

"This is a big boost for Michigan if this happens," said Peggy Mazzara, president of the Macomb Chamber, which has lobbied on behalf of the arsenal.

*UNOFFICIAL*  
Chemical Sites

1. Chemical sites can be broken into three categories:
  - a. Depots
  - b. Activities (tenants)
  - c. Administrative (CMA and Seneca – both tenants)
  
2. Timeline for Depot Closure:
  - a. Deseret:
    - i. Started 1996
    - ii. Ops completed – 2009
    - iii. Closure – 2014 (earliest)
    - iv. Unknown how will deal with mercury contamination
    - v. Containers to 5X
  - b. Newport
    - i. Start – 2005
    - ii. Ops completed – 2007
    - iii. Closure – 2010 (soft)
  - c. Pueblo:
    - i. Start – 2015
    - ii. Ops completed – 2017
    - iii. Closure – 2020
  - d. Umatilla:
    - i. Start – FY04
    - ii. Ops Completed – 2012
    - iii. Closure – 2016
  
3. Smelting of 1 ton containers:
  - a. Containers only thing moving from installation A to installation B
  - b. No law directing smelting of containers to RIA – Business case instead
  - c. Only 2 sites sending 3X (only government can handle) 1 ton containers to RIA
    - i. Aberdeen
    - ii. Newport
      1. Steam treatment of 1 ton containers under development – initial results available late FY05
        - a. Low cost
        - b. Mobile --- move to BGAD when complete at Newport
  - d. Requirement for RIA to smelt no longer necessary after 2011 (Aberdeen done)
  
4. What must destroy per Treaty:
  - a. Product
  - b. Capability to produce product (PBA and Newport)
  - c. Does not address demil facilities
    - i. Demil facilities can remain intact
    - ii. State environment decision on clean up of demil facility
  - d. Congress originally required demil of demil facility but determined too costly and left disposition of demil facility to States
  
5. Solid Waste Mgmt Sites:

- a. Huge clean up issue
  - b. Pueblo and Deseret
6. No enduring follow-on mission at chem. Depots once demil of stockpile is complete
  7. Public Law prohibits movement of stockpile between states. Can move small amount of non-stockpile and can move for R&D purposes.
  8. Some of the chemical contracts run thru closure, but most run thru construction of demil facility with plan to let additional contract for closure. Contracts have base plus option years.
  9. AFSC and Tooele have indicated an interest in Deseret for storage & conventional ammo destruction.
  10. At Anniston, will release chem. Igloos as a block after decontamination – not each at a time. (limited access/containment sites --- shouldn't mix)
  11. Authority to discuss re-use of chem. Depots with local communities.
    - a. Public Law requires negotiation of closure with Governor's Office.
    - b. Interested parties (IMA, Corps of Eng, CMA, EPA, etc) develop plan and take to Governor's Office
    - c. Who approves plan ??? --- unknown
    - d. CMA is "feeling" their way thru closure
  12. Some housing at Pueblo & Umatilla. (max 23 units)
    - a. No maint funds
    - b. Maint paid from PM funds
    - c. Poor quality housing
    - d. Can take all but commander's housing
  13. Personnel
    - a. Small DAC staffs
    - b. Most mil involved in chemical surety
    - c. Contractors go away at completion of demil/closure
  14. CMA morphs into Homeland Security/Emergency response focus after stockpile destroyed
    - a. Should look at ways to retain highly specialized skilled personnel
  15. CMA agrees – there is little to no savings achieved by closing sites
  16. What does CMA want out of BRAC?
    - a. BRAC provides an established process for closure of sites