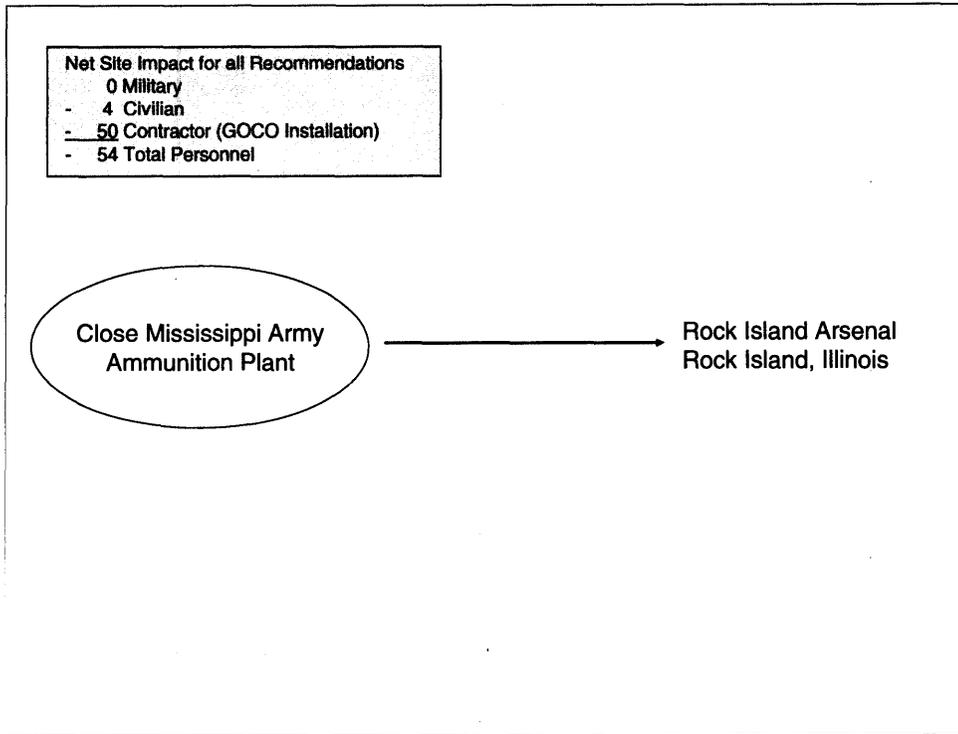




J&CS - Industrial Recommendations						
Base Name	Comments					
Riverbank Army Ammunition Plant	One source, small quantities					
Rock Island Arsenal						
<b>Sierra Army Depot, CA</b>						
Crane Army Ammunition Activity						
McAlester Army Ammunition Plant						
Sierra Army Depot	California stopped demiling of munitions					
Tooele Army Depot						
<b>Rock Island Arsenal, IL</b>						
Anniston Army Depot						
Letterkenny Army Depot						
Rock Island Arsenal						
<b>Newport Chemical Depot, IN</b>						
Newport Chemical Depot	Qualified to end of mission date; question of completion date for demil					
Undistributed or Overseas Reductions						
<b>Kansas Army Ammunition Plant, KS</b>						
Kansas Army Ammunition Plant	Language land, facilities and, equipment to LRA; potentially proprietary processes					
Iowa Army Ammunition Plant						
Crane Army Ammunition Activity						
McAlester Army Ammunition Plant						
Milan Army Ammunition Plant						
<b>Lima Tank Plant, OH</b>						
Lima Tank Plant	Footprint currently in full usage					
<b>Mississippi Army Ammunition Plant, MS</b>						
Mississippi Army Ammunition Plant	Community supports closure					
Rock Island Arsenal						
Undistributed or Overseas Reductions						
<b>Hawthorne Army Depot, NV</b>						
Hawthorne Army Depot	Many concerns regarding missions and demil					
Tooele Army Depot	Concerns about storage and demil capacities					
Undistributed or Overseas Reductions						
<b>Watervliet Arsenal, NY</b>						
Watervliet Arsenal	No personnel impact, disestablish capacity reduce footprint					
<b>Umatilla Chemical Depot, OR</b>						
Umatilla Army Depot	Qualified to end of mission date; question of completion date for demil					
<b>Lone Star Army Ammunition Plant, TX</b>						
Lone Star Army Ammunition Plant	Language land, facilities and, equipment to LRA; potentially proprietary processes					
Iowa Army Ammunition Plant						
Crane Army Ammunition Activity						
McAlester Army Ammunition Plant						
Milan Army Ammunition Plant						
<b>Deseret Chemical Depot, UT</b>						
Deseret Chemical Depot	Qualified to end of mission date; question of completion date for demil					



**Mississippi Army Ammunition Plant, MS**

**Recommendation:** Close Mississippi Army Ammunition Plant, MS.

Relocate the 155MM ICM artillery metal parts functions to Rock Island Arsenal, IL.

**Justification:**

There are 4 sites within the Industrial Base producing Metal Parts.

To remove excess from the Industrial Base, the closure allows DoD to generate efficiencies and nurture partnership with multiple sources in the private sector.

**Net Site Impact for all Recommendations**

- 0 Military
- 4 Civilian
- 50 Contractor (GOCO Installation)
- 54 Total Personnel

Close Mississippi Army  
Ammunition Plant



Rock Island Arsenal  
Rock Island, Illinois

**Economic Impact on Communities:** This recommendation will not result in any job reductions (direct or indirect) over the period 2006-2011 in the Lima, OH Metropolitan Statistical Area. 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:** This recommendation has no impact on air quality; cultural, archeological, or tribal resources; dredging; land use constraints or sensitive resource areas; marine mammals, resources, or sanctuaries; noise; threatened and endangered species or critical habitat; waste management; water resources; or wetlands. This recommendation does not 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.

#### **Mississippi Army Ammunition Plant, MS**

**Recommendation:** Close Mississippi Army Ammunition Plant, MS. Relocate the 155MM ICM artillery metal parts functions to Rock Island Arsenal, IL.

**Justification:** There are 4 sites within the Industrial Base producing Metal Parts. To remove excess from the Industrial Base, the closure allows DoD to generate efficiencies and nurture partnership with multiple sources in the private sector.

**Payback:** The total estimated one-time cost to the Department of Defense to implement this recommendation is \$32.4M. The net of all costs and savings to the Department during the implementation period is a cost of \$10.8M. Annual recurring savings to the Department after implementation are \$5.1M with a payback expected in 7 years. The Net Present Value of the costs and savings to the Department over 20 years is a savings of \$38.6M.

**Economic Impact on Communities:** Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 88 jobs (54 direct jobs and 34 indirect jobs) over the 2006 – 2011 period in the Picayune, MS Micropolitan Statistical Area, which is 0.5 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:** This recommendation has potential impact to water resources at Mississippi Army Ammunition Plant. The installation has both domestic and industrial wastewater treatment plants that may require closure. Significant mitigation measures must be taken at Rock Island to limit release of pollutants during loadings. This recommendation has no impact on air quality; cultural, archeological, or tribal resources; dredging; land use constraints or sensitive resource areas; marine mammals, resources, or sanctuaries; noise; threatened and endangered species or critical habitat; or wetlands. This recommendation will require spending approximately \$1.4M for environmental compliance activities. This cost was included in the payback calculation. Mississippi Army Ammunition Plant reports \$2.3M in environmental restoration costs. Because the Department has a legal obligation to perform environmental restoration regardless of whether a base 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.

#### **Hawthorne Army Depot, NV**

**Recommendation:** Close Hawthorne Army Depot, NV. Relocate Storage and Demilitarization functions to Tooele Army Depot, UT.

**Justification:** Capacity and capability for Storage and Demilitarization exists at numerous munitions sites. To reduce redundancy and remove excess from the Industrial Base, the closure allows DoD to create centers of excellence and establish deployment networks that support readiness. Hawthorne Army Depot has infrastructure problems that severely limit the ability to offload.

**Payback:** The total estimated one-time cost to the Department of Defense to implement this recommendation is \$180.3M. The net of all costs and savings to the Department during the implementation period is a savings of \$59.2M. Annual recurring savings to the Department after implementation are \$73.4M with a payback beginning immediately. The net present value of the costs and savings to the Department over 20 years is a savings of \$777.7M.

**Economic Impact on Communities:** Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 326 jobs (199 direct jobs and 127 indirect jobs) over the period 2006-2011 in the Reno-Sparks, NV Metropolitan Statistical Area, which is less than 0.1 percent of the 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



## 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 Production</b>						
	CRANE ARMY AMMUNITION ACTIVITY	513,720.0	31,486.	684,360.0	0	652,874.0
	HOLSTON AAP	300,000.0	957,340	1,300,000.0	0	342,660.0
	IOWA AAP	224,692.0	31,490.	232,692.0	0	201,202.0
	KANSAS ARMY AMMUNITION PLANT	535,992.0	246.0	3,581,828.0	0	3,581,582.0
	LAKE CITY AAP	71,030,000.0	60,680,	86,937,000.0	0	26,256,600.0
	LONE STAR AAP	24,143,996.0	664,901	24,143,996.0	0	23,479,095.0
	LOUISIANA AAP	0.0	0.0	20,000.0	0	20,000.0
	MCALESTER AAP	39,625.0	15,187.	64,627.0	0	49,440.0
	MILAN AAP	1,150,275.0	324,440	1,160,475.0	0	836,035.0
	MISSISSIPPI AAP	0.0	0.0	4,000,000.0	0	4,000,000.0
	NAVSURFWARCENDIV_INDIAN_HEAD_MD	514,687.0	34,913.	965,607.0	0	930,694.0
	NSWC_INDIAN_HEAD_DET_YORKTOWN	3,510.0	4.0	3,510.0	0	3,506.0
	PINE BLUFF ARSENAL	154,200.0	45,058.	585,080.0	0	540,022.0
	RADFORD AAP	883,596.0	1,407,9	3,431,315.0	0	2,023,329.0
	RIVERBANK AAP	15,000.0	5,000.0	1,068,000.0	0	1,063,000.0
	SCRANTON AAP	46,000.0	37,000.	50,000.0	0	13,000.0

\* Capacity and lbs or each(s) as applicable

Report Date: Thursday, April 21, 2005

Database Date: April 18, 2005

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# *IJCSG Summary Military Value Report for Munitions*

<i>Activity:</i>	<i>Score:</i>
<i>Munitions Production</i>	
MCALISTER AAP	0.5967
MILAN AAP	0.5708
LONE STAR AAP	0.5319
CRANE ARMY AMMUNITION ACTIVITY	0.4836
NAVSURFWARCENDIV_INDIAN_HEAD_MD	0.4592
IOWA AAP	0.3144
LAKE CITY AAP	0.2992
KANSAS ARMY AMMUNITION PLANT	0.2781
RADFORD AAP	0.2735
SCRANTON AAP	0.2450
NSWC_INDIAN_HEAD_DET_YORKTOWN	0.2042
PINE BLUFF ARSENAL	0.1911
HOLSTON AAP	0.1493

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>
<b>RIVERBANK AAP</b>	<b>0.1075</b>
<b>MISSISSIPPI AAP</b>	<b>0.0765</b>
<b>LOUISIANA AAP</b>	<b>0.0343</b>

# *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

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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

\* Capacity is measured in ksf

*Report Date: Thursday, April 21, 2005*

*Database Date: April 18, 2005*

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COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2  
 Data As Of 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:17 PM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Starting Year : 2006  
 Final Year : 2007  
 Payback Year : 2014 (7 Years)

NPV in 2025(\$K): -38,630  
 1-Time Cost(\$K): 32,416

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	26	-198	-198	-198	-198	-765	-198
Overhd	0	-3,865	-4,156	-4,156	-4,156	-4,156	-20,488	-4,889
Moving	0	76	0	0	0	0	76	0
Missio	0	0	0	0	0	0	0	0
Other	0	31,825	0	100	0	0	31,925	0
<b>TOTAL</b>	<b>0</b>	<b>28,062</b>	<b>-4,353</b>	<b>-4,253</b>	<b>-4,353</b>	<b>-4,353</b>	<b>10,749</b>	<b>-5,087</b>

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

<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	1	0	0	0	0	1
<b>TOT</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>

Summary:

-----  
 Close Mississippi Army Ammunition Plant, MS. Relocate the 155MM ICM artillery metal parts functions to Rock Island Arsenal, IL

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 2/2  
 Data As Of 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:17 PM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\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	125	2	2	2	2	133	2
Overhd	3,420	3,711	3,420	3,420	3,420	3,420	20,811	3,420
Moving	0	76	0	0	0	0	76	0
Missio	0	0	0	0	0	0	0	0
Other	0	31,825	0	100	0	0	31,925	0
<b>TOTAL</b>	<b>3,420</b>	<b>35,738</b>	<b>3,422</b>	<b>3,522</b>	<b>3,422</b>	<b>3,422</b>	<b>52,945</b>	<b>3,422</b>

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	100	199	199	199	199	898	199
Overhd	3,420	7,576	7,576	7,576	7,576	7,576	41,299	8,309
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
<b>TOTAL</b>	<b>3,420</b>	<b>7,675</b>	<b>7,775</b>	<b>7,775</b>	<b>7,775</b>	<b>7,775</b>	<b>42,197</b>	<b>8,509</b>

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10)  
 Data As Of 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:17 PM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base	Personnel			
	Start*	Finish*	Change	%Change
MISSISSIPPI AAP	4	0	-4	-100%
ROCK ISLAND	5,552	5,552	0	0%
BASE X (ARMY)	109	110	1	1%
TOTAL	5,665	5,662	-3	0%

Base	Square Footage				
	Start	Finish	Change	%Change	Chg/Per
MISSISSIPPI AAP	1,617,000	0	-1,617,000	-100%	404,250
ROCK ISLAND	6,750,000	6,750,000	0	0%	0
BASE X (ARMY)	60,640	60,640	0	0%	0
TOTAL	8,427,640	6,810,640	-1,617,000	-19%	539,000

Base	Base Operations Support (2005\$)				
	Start*	Finish*	Change	%Change	Chg/Per
MISSISSIPPI AAP	0	0	0	0%	0
ROCK ISLAND	35,157,693	35,157,693	0	0%	0
BASE X (ARMY)	0	0	0	0%	0
TOTAL	35,157,693	35,157,693	0	0%	0

Base	Sustainment (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
MISSISSIPPI AAP	4,889,293	0	-4,889,293	-100%	1,222,323
ROCK ISLAND	14,943,155	14,943,155	0	0%	0
BASE X (ARMY)	118,709	118,709	0	0%	0
TOTAL	19,951,157	15,061,864	-4,889,293	-25%	1,629,764

Base	Recapitalization (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
MISSISSIPPI AAP	3,419,950	0	-3,419,950	-100%	854,987
ROCK ISLAND	11,451,213	11,451,213	0	0%	0
BASE X (ARMY)	5,725,274	5,725,274	0	0%	0
TOTAL	20,596,438	17,176,487	-3,419,950	-17%	1,139,983

Base	Sustain + Recap + BOS (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
MISSISSIPPI AAP	8,309,243	0	-8,309,243	-100%	2,077,311
ROCK ISLAND	61,552,062	61,552,062	0	0%	0
BASE X (ARMY)	5,843,983	5,843,983	0	0%	0
TOTAL	75,705,288	67,396,045	-8,309,243	-11%	2,769,748

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base	Plant Replacement Value (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
MISSISSIPPI AAP	352,254,858	0	-352,254,858	-100%	88,063,714
ROCK ISLAND	1,179,474,945	1,179,474,945	0	0%	0
BASE X (ARMY)	22,901,098	22,901,098	0	0%	0
TOTAL	1,554,630,901	1,202,376,043	-352,254,858	-23%	117,418,286

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
05022005.CBR  
Option Pkg Name: IND 0110 Close Mississippi  
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

\* "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 1/12  
 Data As Of 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:17 PM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	----	----	----	----	----	----	-----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	115	0	0	0	0	115
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	6	0	0	0	0	6
POV Miles	0	0	0	0	0	0	0
Home Purch	0	14	0	0	0	0	14
HHG	0	7	0	0	0	0	7
Misc	0	1	0	0	0	0	1
House Hunt	0	4	0	0	0	0	4
PPP	0	35	0	0	0	0	35
RITA	0	7	0	0	0	0	7
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	9	0	0	0	0	9
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	291	0	0	0	0	291
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	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	1,300	0	100	0	0	1,400
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	30,525	0	0	0	0	30,525
TOTAL ONE-TIME	0	32,316	0	100	0	0	32,416

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 2/12  
 Data As Of 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:17 PM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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	2	2	2	2	2	9	2
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	3,420	3,420	3,420	3,420	3,420	3,420	20,520	3,420
TOTAL RECUR	3,420	3,422	3,422	3,422	3,422	3,422	20,529	3,422
<b>TOTAL COST</b>	<b>3,420</b>	<b>35,738</b>	<b>3,422</b>	<b>3,522</b>	<b>3,422</b>	<b>3,422</b>	<b>52,945</b>	<b>3,422</b>
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	4,156	4,156	4,156	4,156	4,156	20,779	4,889
Recap	3,420	3,420	3,420	3,420	3,420	3,420	20,520	3,420
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	100	199	199	199	199	898	199
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								
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	3,420	7,675	7,775	7,775	7,775	7,775	42,197	8,509
<b>TOTAL SAVINGS</b>	<b>3,420</b>	<b>7,675</b>	<b>7,775</b>	<b>7,775</b>	<b>7,775</b>	<b>7,775</b>	<b>42,197</b>	<b>8,509</b>

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 3/12  
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Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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	115	0	0	0	0	115	
Civ Moving	0	76	0	0	0	0	76	
Info Tech	0	0	0	0	0	0	0	
Other	0	300	0	0	0	0	300	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	0	0	0	0	
<b>OTHER</b>								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	1,300	0	100	0	0	1,400	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	30,525	0	0	0	0	30,525	
<b>TOTAL ONE-TIME</b>	<b>0</b>	<b>32,316</b>	<b>0</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>31,016</b>	
<b>RECURRING NET</b>								
-----(\$K)-----	---- <th>2007</th> <th>2008</th> <th>2009</th> <th>2010</th> <th>2011</th> <th>Total</th> <th>Beyond</th>	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
Sustainment	0	-4,156	-4,156	-4,156	-4,156	-4,156	-20,779	-4,889
Recap	-3,420	-3,420	-3,420	-3,420	-3,420	-3,420	-20,520	-3,420
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	-98	-198	-198	-198	-198	-888	-198
TRICARE	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	3,420	3,420	3,420	3,420	3,420	3,420	20,520	3,420
<b>TOTAL RECUR</b>	<b>0</b>	<b>-4,254</b>	<b>-4,353</b>	<b>-4,353</b>	<b>-4,353</b>	<b>-4,353</b>	<b>-21,667</b>	<b>-5,087</b>
<b>TOTAL NET COST</b>	<b>0</b>	<b>28,062</b>	<b>-4,353</b>	<b>-4,253</b>	<b>-4,353</b>	<b>-4,353</b>	<b>10,749</b>	<b>-5,087</b>

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 4/12  
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Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Pctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MISSISSIPPI AAP, MS (28560)

ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	----	----	----	----	----	----	-----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	115	0	0	0	0	115
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	6	0	0	0	0	6
POV Miles	0	0	0	0	0	0	0
Home Purch	0	14	0	0	0	0	14
HHG	0	7	0	0	0	0	7
Misc	0	1	0	0	0	0	1
House Hunt	0	4	0	0	0	0	4
PPP	0	35	0	0	0	0	35
RITA	0	7	0	0	0	0	7
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	9	0	0	0	0	9
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	291	0	0	0	0	291
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	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	1,300	0	0	0	0	1,300
Misc Contract	0	0	0	0	0	0	0
1-Time Other	0	14,500	0	0	0	0	14,500
TOTAL ONE-TIME	0	16,291	0	0	0	0	16,291

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 5/12  
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Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MISSISSIPPI AAP, MS (28560)

RECURRINGCOSTS	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
<b>O&amp;M</b>								
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
<b>MIL PERSONNEL</b>								
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
<b>OTHER</b>								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	3,420	3,420	3,420	3,420	3,420	3,420	20,520	3,420
<b>TOTAL RECUR</b>	<b>3,420</b>	<b>3,420</b>	<b>3,420</b>	<b>3,420</b>	<b>3,420</b>	<b>3,420</b>	<b>20,520</b>	<b>3,420</b>
<b>TOTAL COSTS</b>	<b>3,420</b>	<b>19,711</b>	<b>3,420</b>	<b>3,420</b>	<b>3,420</b>	<b>3,420</b>	<b>36,811</b>	<b>3,420</b>
<b>ONE-TIME SAVES</b>								
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----	-----
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
1-Time Move	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	0	0	0	0	0
<b>OTHER</b>								
Environmental	0	0	0	0	0	0	0	0
1-Time Other	0	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>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>RECURRINGSAVES</b>								
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----	-----
<b>FAM HOUSE OPS</b>								
O&M	0	0	0	0	0	0	0	0
Sustainment	0	4,156	4,156	4,156	4,156	4,156	20,779	4,889
Recap	3,420	3,420	3,420	3,420	3,420	3,420	20,520	3,420
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	100	199	199	199	199	898	199
<b>MIL PERSONNEL</b>								
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
<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>3,420</b>	<b>7,675</b>	<b>7,775</b>	<b>7,775</b>	<b>7,775</b>	<b>7,775</b>	<b>42,197</b>	<b>8,509</b>
<b>TOTAL SAVINGS</b>	<b>3,420</b>	<b>7,675</b>	<b>7,775</b>	<b>7,775</b>	<b>7,775</b>	<b>7,775</b>	<b>42,197</b>	<b>8,509</b>

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 6/12  
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Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MISSISSIPPI AAP, MS (28560)								
ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	-----
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
Civ Retir/RIF	0	115	0	0	0	0	115	
Civ Moving	0	76	0	0	0	0	76	
Info Tech	0	0	0	0	0	0	0	
Other	0	300	0	0	0	0	300	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	0	0	0	0	
<b>OTHER</b>								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	1,300	0	0	0	0	1,300	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	14,500	0	0	0	0	14,500	
<b>TOTAL ONE-TIME</b>	<b>0</b>	<b>16,291</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16,291</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	-4,156	-4,156	-4,156	-4,156	-4,156	-20,779	-4,889
Recap	-3,420	-3,420	-3,420	-3,420	-3,420	-3,420	-20,520	-3,420
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	-100	-199	-199	-199	-199	-898	-199
<b>TRICARE</b>								
MIL PERSONNEL	0	0	0	0	0	0	0	0
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	3,420	3,420	3,420	3,420	3,420	3,420	20,520	3,420
<b>TOTAL RECUR</b>	<b>0</b>	<b>-4,255</b>	<b>-4,355</b>	<b>-4,355</b>	<b>-4,355</b>	<b>-4,355</b>	<b>-21,677</b>	<b>-5,089</b>
<b>TOTAL NET COST</b>	<b>0</b>	<b>12,036</b>	<b>-4,355</b>	<b>-4,355</b>	<b>-4,355</b>	<b>-4,355</b>	<b>-5,386</b>	<b>-5,089</b>

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 7/12  
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Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: ROCK ISLAND, IL (17755)							
ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	----	----	----	----	----	----	-----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
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	0	0	0
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	0	0	0
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	0	0	0
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	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	100	0	0	100
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	16,025	0	0	0	0	16,025
TOTAL ONE-TIME	0	16,025	0	100	0	0	16,125



COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 9/12  
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Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: ROCK ISLAND, IL (17755)

ONE-TIME NET -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
Civ Retir/RIF	0	0	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Info Tech	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	100	0	0	100	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	16,025	0	0	0	0	16,025	
TOTAL ONE-TIME	0	16,025	0	100	0	0	16,125	
RECURRING NET -----(\$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	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								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
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	0	0	0	0	0	0	0	0
TOTAL NET COST	0	16,025	0	100	0	0	16,125	0

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 10/12  
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Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: BASE X (ARMY), US (XARMY)	2006	2007	2008	2009	2010	2011	Total
ONE-TIME COSTS	-----	-----	-----	-----	-----	-----	-----
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
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	0	0	0
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	0	0	0
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	0	0	0
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	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	0	0
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	0	0	0



COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 12/12  
 Data As Of 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:17 PM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: BASE X (ARMY), US (XARMY)

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	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Info Tech	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	0	0	0	0	
<b>OTHER</b>								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	0	0	0	0	
Misc 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>							
RECURRING NET	2006	2007	2008	2009	2010	2011	Total	Beyond
----(\$K)----	----	----	----	----	----	----	----	----
<b>FAM HOUSE OPS</b>								
O&M	0	0	0	0	0	0	0	0
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	2	2	2	2	2	9	2
TRICARE	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
<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>0</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>9</b>	<b>2</b>
<b>TOTAL NET COST</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>9</b>	<b>2</b>

COBRA ECONOMIC IMPACT REPORT (COBRA v6.10)  
 Data As Of 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:16 PM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

MISSISSIPPI AAP, MS (28560)	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	0	0	0	0	0	0	0
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	0	4	0	0	0	0	4
NET CHANGE-Civ	0	-4	0	0	0	0	-4
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

ROCK ISLAND, IL (17755)	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	0	0	0	0	0	0	0
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	0	0	0	0	0	0	0
NET CHANGE-Civ	0	0	0	0	0	0	0
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

BASE X (ARMY), US (XARMY)	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	0	0	0	0	0	0	0
Jobs Gained-Civ	0	1	0	0	0	0	1
Jobs Lost-Civ	0	0	0	0	0	0	0
NET CHANGE-Civ	0	1	0	0	0	0	1
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 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:16 PM

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
05022005.CBR  
Option Pkg Name: IND 0110 Close Mississippi  
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 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:16 PM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 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:
-----	-----
MISSISSIPPI AAP, MS (28560)	Closes in FY 2007
ROCK ISLAND, IL (17755)	Realignment
BASE X (ARMY), US (XARMY)	Realignment

INPUT SCREEN TWO - DISTANCE TABLE  
 (Only shows distances where personnel or equipment are moving)

Point A:	Point B:	Distance:
-----	-----	-----
MISSISSIPPI AAP, MS (28560)	BASE X (ARMY), US (XARMY)	1,750 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from MISSISSIPPI AAP, MS (28560) to BASE X (ARMY), US (XARMY)

	2006	2007	2008	2009	2010	2011
	----	----	----	----	----	----
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	0	0	0
Civilian Positions:	0	1	0	0	0	0
Student Positions:	0	0	0	0	0	0
NonVeh Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: MISSISSIPPI AAP, MS (28560)

Total Officer Employees:	0	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	0	Total Sustainment (\$K/Year):	4,889
Total Student Employees:	0	Sustain Payroll (\$K/Year):	0
Total Civilian Employees:	4	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):	352,255
Starting Facilities(KSF):	1,617	Svc/Agcy Recap Rate (Years):	103
Officer BAH (\$/Month):	842	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	637		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	0.84		Admits Visits Prescrip
Per Diem Rate (\$/Day):	86	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:	30.334722	Retiree	0 0 0
Longitude:	-89.420833	Retiree65+	0 0 0

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: ROCK ISLAND, IL (17755)

Total Officer Employees:	110	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	143	Total Sustainment(\$K/Year):	14,943
Total Student Employees:	0	Sustain Payroll (\$K/Year):	0
Total Civilian Employees:	5,300	BOS Non-Payroll (\$K/Year):	35,160
Accomp Mil not Receiving BAH:	41.3%	BOS Payroll (\$K/Year):	39,861
Officer Housing Units Avail:	1	Family Housing (\$K/Year):	251
Enlisted Housing Units Avail:	2	Installation PRV(\$K):	1,179,475
Starting Facilities(KSF):	6,750	Svc/Agcy Recap Rate (Years):	103
Officer BAH (\$/Month):	927	Homeowner Assistance Program:	Yes
Enlisted BAH (\$/Month):	734		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	1.02		Admits Visits Prescrip
Per Diem Rate (\$/Day):	86	CostFactor 3,953.00	78.00 11.63
Freight Cost (\$/Ton/Mile):	0.33	Actv MTF	0 2,234 2,442
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	85 10,151
Latitude:	41.535556	Retiree	0 3,714 10,323
Longitude:	-90.568889	Retiree65+	0 362 15,249

Name: BASE X (ARMY), US (XARMY)

Total Officer Employees:	1	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	7	Total Sustainment(\$K/Year):	262
Total Student Employees:	0	Sustain Payroll (\$K/Year):	143
Total Civilian Employees:	101	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):	92
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	22,901
Starting Facilities(KSF):	61	Svc/Agcy Recap Rate (Years):	4
Officer BAH (\$/Month):	1,676	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	1,219		
Civ Locality Pay Factor:	1.140	TRICARE	In-Pat Out-Pat
Area Cost Factor:	1.08		Admits Visits Prescrip
Per Diem Rate (\$/Day):	174	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:	0.000000	Retiree	0 0 0
Longitude:	0.000000	Retiree65+	0 0 0

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: MISSISSIPPI AAP, MS (28560)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	14,500	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	1,300	0	0	0	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):	3,420	3,420	3,420	3,420	3,420	3,420
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):			1,617	FH ShDn:	0.000%

Name: ROCK ISLAND, IL (17755)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	16,025	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	100	0	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):			0	FH ShDn:	0.000%

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: BASE X (ARMY), US (XARMY)

	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	0	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):		0	FH ShDn:	0.000%

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: MISSISSIPPI AAP, MS (28560)

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

Name: ROCK ISLAND, IL (17755)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	0	0	0	0	0
Off Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	1	0	0	0	0	0
Civ Prog nonBRAC Change:	0	0	-1	-1	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	0%	0%	0%	0%	0%	0%

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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%		

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/Realn) (\$/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 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
05022005.CBR  
Option Pkg Name: IND 0110 Close Mississippi  
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

FOOTNOTES FOR SCREEN ONE

=====  
Close Mississippi Army Ammunition Plant, MS. Relocate the 155MM ICM artillery metal parts functions to  
Rock Island Arsenal, IL

FOOTNOTES FOR SCREEN THREE

=====  
Equipment movement is explained in Screen 5. Three Civilians are eliminated. Not required to perform the  
work at the gaining site. Per Army, there is one COE civilian at Mississippi that must be relocated as a result  
of post closure; Base X used until destination is determined

FOOTNOTES FOR SCREEN FIVE

=====  
Mississippi:

FY 07 \$14,500k cost to skid, ship and install critical equipment (MA-4-Alt-2 Action 6-a  
\$1,300k: From page 4 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs";  
for EBS plus disposal EIS. FY 07 was selected because the Military Departments wants to make sure  
permits, waivers, and restrictions are in place by FY 08 and decommissioning is complete by the end of FY  
11.

1,617 KSF: Fac ShDn is derived from Screen Four - static base information for "Starting Facilities"

FY 06, 07, 08, 09, 10, and 11: \$3,420k in each of these years represents miscellaneous cost that cancels  
out recurring savings generated by recap cost. Memorandum dated 31 Mar 2005, subject: Recapitalization  
Savings for Army Ammunition Plants, directs the removal of recap savings from 4 ammunition plants (Kansas  
AAP, Riverbank AAP, Lone Star AAP, and Mississippi AAP).

Rock Island:

FY 07 \$16,025k: \$15,000k cost to procure new equipment (MA-4-Alt-2 Action 6-a)  
\$1,000k cost building upgrade (MA-4-Alt-2 Action 6-a)  
\$25k cost for TDY and training (MA-4-Alt-2 Action 6-a)

FY 09 \$100k: From page 4 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs";  
Realignment NEPA. FY 09 was selected because the Military Departments wants to make sure permits,  
waivers, and restrictions are in place by FY 08 and decommissioning is complete by the end of FY 11.

TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)  
Data As Of 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:17 PM

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
05022005.CBR  
Option Pkg Name: IND 0110 Close Mississippi  
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
-----	-----	-----	-----
MISSISSIPPI AAP	0	0	0
ROCK ISLAND	0	0	0
BASE X (ARMY)	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 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:17 PM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

Year	Cost(\$)	Adjusted Cost(\$)	NPV(\$)
----	-----	-----	-----
2006	50	49	49
2007	28,062,493	26,923,814	26,923,863
2008	-4,353,474	-4,063,060	22,860,803
2009	-4,253,474	-3,861,606	18,999,198
2010	-4,353,474	-3,844,740	15,154,457
2011	-4,353,474	-3,740,020	11,414,438
2012	-5,086,868	-4,251,041	7,163,397
2013	-5,086,868	-4,135,254	3,028,143
2014	-5,086,868	-4,022,620	-994,477
2015	-5,086,868	-3,913,055	-4,907,532
2016	-5,086,868	-3,806,473	-8,714,005
2017	-5,086,868	-3,702,795	-12,416,800
2018	-5,086,868	-3,601,941	-16,018,741
2019	-5,086,868	-3,503,833	-19,522,575
2020	-5,086,868	-3,408,398	-22,930,973
2021	-5,086,868	-3,315,563	-26,246,536
2022	-5,086,868	-3,225,255	-29,471,791
2023	-5,086,868	-3,137,408	-32,609,199
2024	-5,086,868	-3,051,953	-35,661,153
2025	-5,086,868	-2,968,826	-38,629,979

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 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	114,796	
Civilian Early Retirement	0	
Eliminated Military PCS	0	
Unemployment	8,902	
Total - Personnel		123,698
Overhead		
Program Management Cost	0	
Support Contract Termination	0	
Mothball / Shutdown	291,060	
Total - Overhead		291,060
Moving		
Civilian Moving	40,130	
Civilian PPP	35,496	
Military Moving	0	
Freight	641	
Information Technologies	200	
One-Time Moving Costs	0	
Total - Moving		76,467
Other		
HAP / RSE	0	
Environmental Mitigation Costs	1,400,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	30,525,000	
Total - Other		31,925,000
-----		-----
Total One-Time Costs		32,416,226
-----		-----
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		32,416,226

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MISSISSIPPI AAP, MS (28560)  
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
-----	----	-----
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	114,796	
Civilian Early Retirement	0	
Eliminated Military PCS	0	
Unemployment	8,902	
Total - Personnel		123,698
Overhead		
Program Management Cost	0	
Support Contract Termination	0	
Mothball / Shutdown	291,060	
Total - Overhead		291,060
Moving		
Civilian Moving	40,130	
Civilian PPP	35,496	
Military Moving	0	
Freight	641	
Information Technologies	200	
One-Time Moving Costs	0	
Total - Moving		76,467
Other		
HAP / RSE	0	
Environmental Mitigation Costs	1,300,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	14,500,000	
Total - Other		15,800,000
-----		-----
Total One-Time Costs		16,291,226
-----		-----
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		16,291,226

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: ROCK ISLAND, IL (17755)  
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
-----	----	-----
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Management Cost	0	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPP	0	
Military Moving	0	
Freight	0	
Information Technologies	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	100,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	16,025,000	
Total - Other		16,125,000
-----	-----	-----
Total One-Time Costs		16,125,000
-----	-----	-----
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		16,125,000

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

Base: BASE X (ARMY), US (XARMY)  
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
-----	----	-----
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	0	
Civilian Early Retirement	0	
Eliminated Military PCS	0	
Unemployment	0	
Total - Personnel		0
Overhead		
Program Management Cost	0	
Support Contract Termination	0	
Mothball / Shutdown	0	
Total - Overhead		0
Moving		
Civilian Moving	0	
Civilian PPP	0	
Military Moving	0	
Freight	0	
Information Technologies	0	
One-Time Moving Costs	0	
Total - Moving		0
Other		
HAP / RSE	0	
Environmental Mitigation Costs	0	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		0
-----		
Total One-Time Costs		0
-----		
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		0



TOTAL COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 1/4  
 Data As Of 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:17 PM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 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	1	0	0	0	0	1
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	1	0	0	0	0	1
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	3	0	0	0	0	3
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
Priority Placement#	39.97%	0	1	0	0	0	0	1
Civilians Available to Move		0	2	0	0	0	0	2
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	2	0	0	0	0	2
CIVILIAN POSITIONS REALIGNING IN		0	1	0	0	0	0	1
Civilians Moving		0	1	0	0	0	0	1
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	0	0	0
TOTAL CIVILIAN RIFs		0	2	0	0	0	0	2
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	1	0	0	0	0	1
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 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MISSISSIPPI AAP, MS (28560)Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT	0	1	0	0	0	0	1
Early Retirement*	8.10%	0	0	0	0	0	0
Regular Retirement*	1.67%	0	0	0	0	0	0
Civilian Turnover*	9.16%	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0
Civilians Moving (the remainder)		0	1	0	0	0	1
Civilian Positions Available		0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED	0	3	0	0	0	0	3
Early Retirement	8.10%	0	0	0	0	0	0
Regular Retirement	1.67%	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0
Priority Placement#	39.97%	0	1	0	0	0	1
Civilians Available to Move		0	2	0	0	0	2
Civilians Moving		0	0	0	0	0	0
Civilian RIFs (the remainder)		0	2	0	0	0	2
CIVILIAN POSITIONS REALIGNING IN	0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	2	0	0	0	2
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	1	0	0	0	1
TOTAL CIVILIAN NEW HIRES		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 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: ROCK ISLAND, IL (17755)	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	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
Priority Placement#	39.97%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
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	0	0	0
TOTAL CIVILIAN RIFs		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
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 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: BASE X (ARMY), US (XARMY)	Rate	2006	2007	2008	2009	2010	2011	Total
<b>CIVILIAN POSITIONS REALIGNING OUT</b>								
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
<b>CIVILIAN POSITIONS ELIMINATED</b>								
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
Priority Placement#	39.97%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
<b>CIVILIAN POSITIONS REALIGNING IN</b>								
Civilians Moving		0	1	0	0	0	0	1
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	0	0	0
TOTAL CIVILIAN RIFs		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
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 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:17 PM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MISSISSIPPI AAP, MS (28560)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	100.00%	0	0.00%	0.00%
2007	0	0.00%	0.00%	4	100.00%	100.00%
2008	0	0.00%	0.00%	0	0.00%	0.00%
2009	0	0.00%	0.00%	0	0.00%	0.00%
2010	0	0.00%	0.00%	0	0.00%	0.00%
2011	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	4	100.00%	100.00%

Base: ROCK ISLAND, IL (17755)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	33.33%	0	0.00%	16.67%
2007	0	0.00%	16.67%	0	0.00%	16.67%
2008	0	0.00%	16.67%	0	0.00%	16.67%
2009	0	0.00%	16.67%	0	0.00%	16.67%
2010	0	0.00%	16.67%	0	0.00%	16.67%
2011	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	0	0.00%	100.00%	0	0.00%	100.00%

Base: BASE X (ARMY), US (XARMY)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	100.00%	0	0.00%	16.67%
2007	1	100.00%	0.00%	0	0.00%	16.67%
2008	0	0.00%	0.00%	0	0.00%	16.67%
2009	0	0.00%	0.00%	0	0.00%	16.67%
2010	0	0.00%	0.00%	0	0.00%	16.67%
2011	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	1	100.00%	100.00%	0	0.00%	100.00%

COBRA TOTAL PERSONNEL SUMMARY REPORT (COBRA v6.10)

Data As Of 5/2/2005 1:31:07 PM, Report Created 5/2/2005 1:31:16 PM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

TOTAL SCENARIO POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
111	150	0	5,405

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

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	1	0	0	0	0	0	1
Students	0	0	0	0	0	0	0
Civilians	0	0	-1	-1	0	0	-2
TOTAL	1	0	-1	-1	0	0	-1

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

Officers	Enlisted	Students	Civilians
111	151	0	5,403

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	1	0	0	0	0	1
TOTAL	0	1	0	0	0	0	1

TOTAL SCENARIO POSITION 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
Civilians	0	-3	0	0	0	0	-3
TOTAL	0	-3	0	0	0	0	-3

TOTAL SCENARIO POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
111	151	0	5,400

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

PERSONNEL SUMMARY FOR: MISSISSIPPI AAP, MS (28560)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: MISSISSIPPI AAP, MS (28560)

Officers	Enlisted	Students	Civilians
0	0	0	4

PERSONNEL REALIGNMENTS:

To Base: BASE X (ARMY), US (XARMY)

	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	1	0	0	0	0	1
TOTAL	0	1	0	0	0	0	1

TOTAL PERSONNEL REALIGNMENTS (Out of MISSISSIPPI AAP, MS (28560)):

	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	1	0	0	0	0	1
TOTAL	0	1	0	0	0	0	1

SCENARIO POSITION CHANGES FOR: MISSISSIPPI AAP, MS (28560)

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

BASE POPULATION (After BRAC Action) FOR: MISSISSIPPI AAP, MS (28560)

Officers	Enlisted	Students	Civilians
0	0	0	0

PERSONNEL SUMMARY FOR: ROCK ISLAND, IL (17755)

BASE POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
110	143	0	5,300

PROGRAMMED INSTALLATION (NON-BRAC) CHANGES FOR: ROCK ISLAND, IL (17755)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	1	0	0	0	0	0	1
Students	0	0	0	0	0	0	0
Civilians	0	0	-1	-1	0	0	-2
TOTAL	1	0	-1	-1	0	0	-1

BASE POPULATION (Prior to BRAC Action) FOR: ROCK ISLAND, IL (17755)

Officers	Enlisted	Students	Civilians
110	144	0	5,298

BASE POPULATION (After BRAC Action) FOR: ROCK ISLAND, IL (17755)

Officers	Enlisted	Students	Civilians
110	144	0	5,298

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0110 Close Mississippi\IND 0110 Close Mississippi Alt2  
 05022005.CBR  
 Option Pkg Name: IND 0110 Close Mississippi  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

PERSONNEL SUMMARY FOR: BASE X (ARMY), US (XARMY)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: BASE X (ARMY), US (XARMY)

Officers	Enlisted	Students	Civilians
1	7	0	101

PERSONNEL REALIGNMENTS:

From Base: MISSISSIPPI AAP, MS (28560)

	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	1	0	0	0	0	1
TOTAL	0	1	0	0	0	0	1

TOTAL PERSONNEL REALIGNMENTS (Into BASE X (ARMY), US (XARMY)):

	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	1	0	0	0	0	1
TOTAL	0	1	0	0	0	0	1

BASE POPULATION (After BRAC Action) FOR: BASE X (ARMY), US (XARMY)

Officers	Enlisted	Students	Civilians
1	7	0	102

## Economic Impact Report

This report depicts the economic impact of the following Scenarios:

IND-0110: Close Mississippi AAP

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

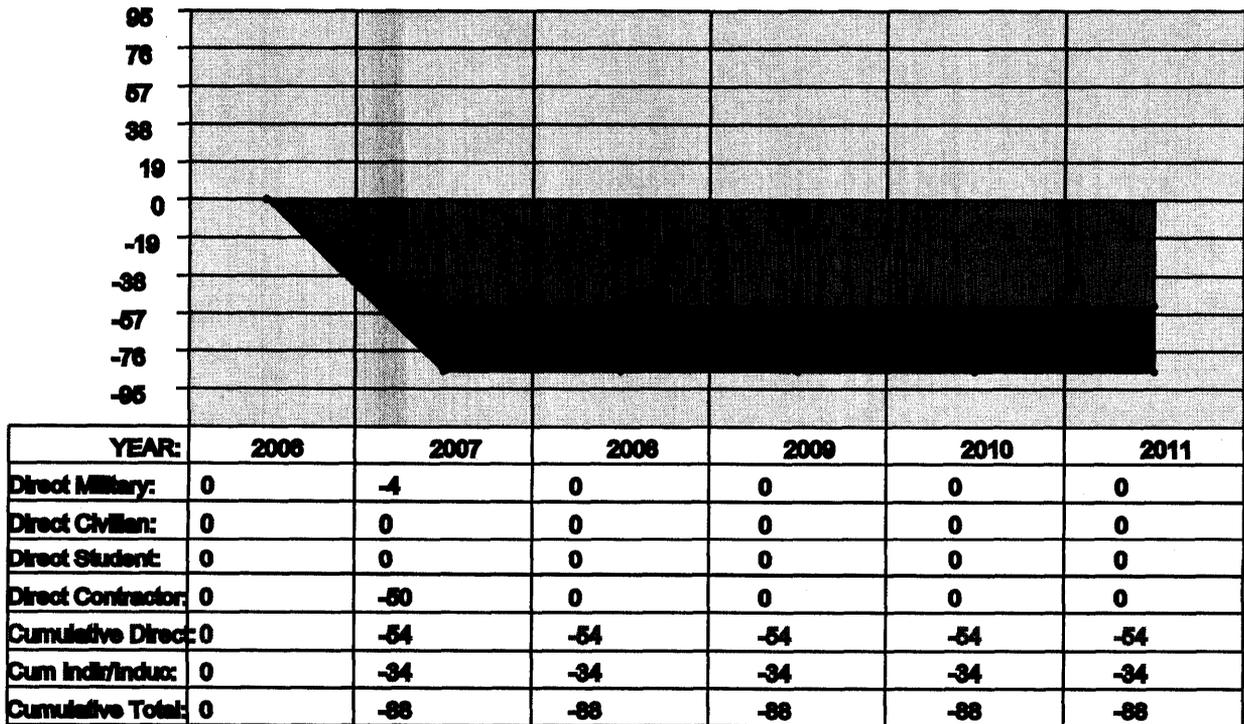
ECONOMIC IMPACT DATA

Scenario: All Selected (see title page)  
 Economic Region of Influence(ROI): Picayune, MS Micropolitan Statistical Area  
 Base: All Bases  
 Action: All Actions

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

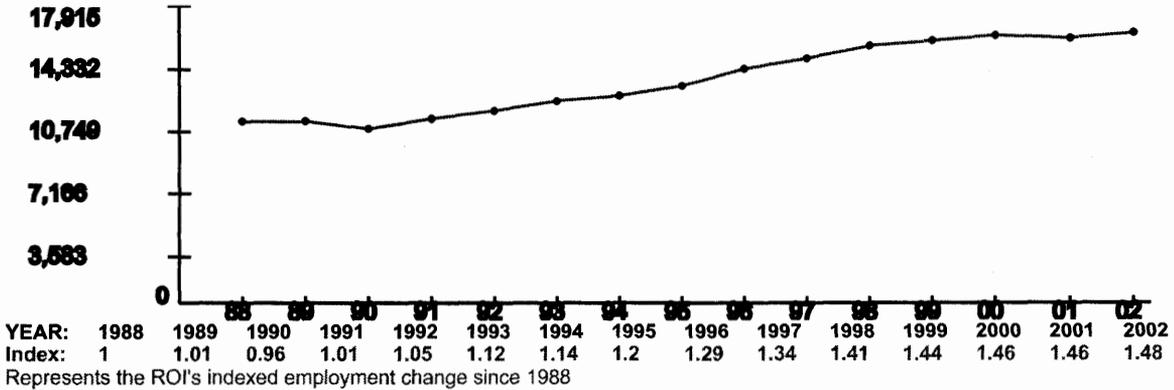
ROI Population (2002): 50,363  
 ROI Employment (2002): 16,286  
 Authorized Manpower (2005): 4  
 Authorized Manpower(2005) / ROI Employment(2002): 0.02%  
 Total Estimated Job Change: -88  
 Total Estimated Job Change / ROI Employment(2002): -0.54%

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

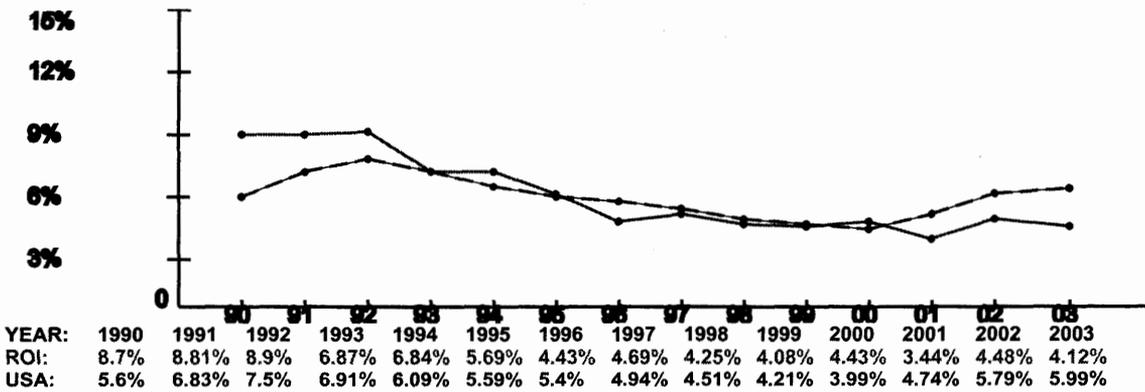


Picayune, MS Micropolitan Statistical Area Trend Data

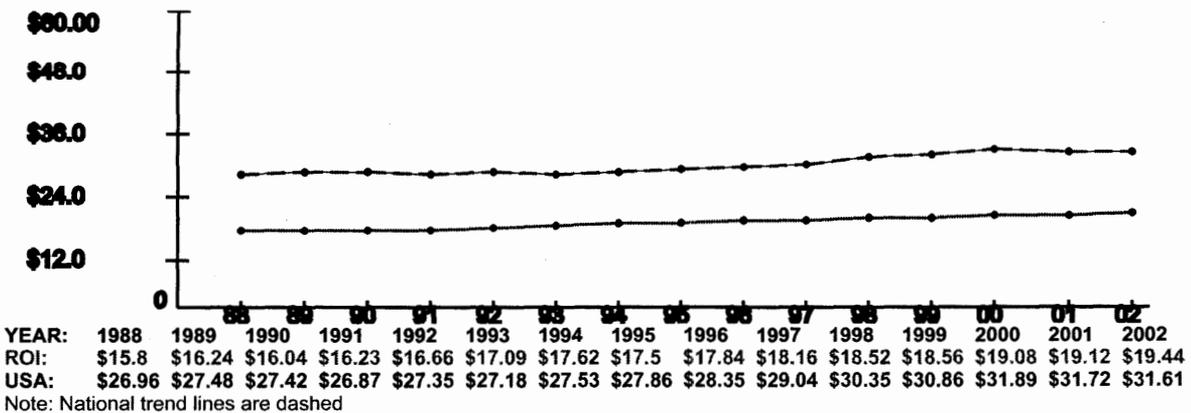
**Employment Trend (1988-2002)**



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



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



## MISSISSIPPI AAP, MS

### Demographics

The following tables provide a short description of the area near the installation/activity. MISSISSIPPI AAP is 47 miles from New Orleans, LA, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Bloxi-Gulfport-Pascagoula, MI MSA	363,988

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

County/City	Population
Pearl River	48621
Total	48,621

### Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 2

### 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)	\$30,912	Basis: 1 of 1 county
Median House Value	(US Avg \$119,600)	\$76,500	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$1,133	
In-state Tuition for Family Member		No	
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	7,300	2 of 2 districts
Students Enrolled	6,507	2 of 2 districts
Average Pupil/Teacher Ratio	15.0:1	2 of 2 districts
High School Students Enrolled	1,765	2 of 2 districts
Average High School Graduation Rate (US Avg 67.3%)	71.7%	2 of 2 districts
Average Composite SAT I Score (US Avg 1026)		2 of 2 districts
Average ACT Score (US Avg 20.8)	20	2 of 2 districts
Available Graduate/PhD Programs	1	
Available Colleges and/or Universities	2	
Available Vocational and/or Technical Schools	3	

## 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	4.1%	4.4%	3.4%	4.5%	4.1%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	1 of 1 county				

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

	1999	2000	2001	2002	2003
Local Data	-.1%	4.7%	1.4%	-3.2%	4.7%
National	1.5%	2.4%	.03%	-3.1%	.86%
Basis:	1 of 1 county				

## 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	2,532	Basis: 1 of 1 county
Vacant Sale Units	252	
Vacant Rental Units	464	

### 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	29	151	48,621	Basis: 1 of 1 county
Ratio	1:1,677	1:322		
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	4,159.0	Basis: 1 of 1 county
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 MISSISSIPPI AAP to nearest commercial airport: 40.0 miles  
 Is MISSISSIPPI AAP served by regularly scheduled public transportation? No

### 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

## ROCK ISLAND ARSENAL, IL

### Demographics

The following tables provide a short description of the area near the installation/activity. ROCK ISLAND ARSENAL is within Davenport, IA, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Davenport-Moline-Rock Island, IA-II MSA	359,062

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

County/City	Population
Rock Island	149374
Scott	5537
Total	154,911

### Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 12

### 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)	\$40,621	Basis: MSA
Median House Value	(US Avg \$119,600)	\$84,500	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$ 927	
In-state Tuition for Family Member		No	
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.

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	49,367	6 of 6 districts
Students Enrolled	42,396	6 of 6 districts
Average Pupil/Teacher Ratio	17.1:1	6 of 6 districts
High School Students Enrolled	13,054	6 of 6 districts
Average High School Graduation Rate (US Avg 67.3%)	84.1%	6 of 6 districts
Average Composite SAT I Score (US Avg 1026)		6 of 6 districts
Average ACT Score (US Avg 20.8)	21	6 of 6 districts
Available Graduate/PhD Programs	5	
Available Colleges and/or Universities	8	
Available Vocational and/or Technical Schools	7	

## 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	4.4%	4.2%	4.6%	5.2%	5.3%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	MSA	MSA	MSA	MSA	MSA

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

	1999	2000	2001	2002	2003
Local Data	.6%	-.7%	-.9%	-1.4%	-1.1%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	MSA	MSA	MSA	MSA	MSA

## 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	8,306	Basis: MSA
Vacant Sale Units	1,835	

Vacant Rental Units	3,164	
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### 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	670	1,156	359,062	Basis: 2 of 2 counties
Ratio	1:536	1:311		
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	4,016.0	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 ROCK ISLAND ARSENAL to nearest commercial airport: 7.0 miles  
 Is ROCK ISLAND ARSENAL 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 [TABS FINAL VERSION]**  
**SCENARIO #51B TITLE: IND-0110V2 CLOSE MISSISSIPPI AAP**

GENERAL DESCRIPTION: CLOSE MISSISSIPPI ARMY AMMUNITION PLANT. RELOCATE THE 155MM ICM ARTILLERY/GRENADE METAL PARTS FUNCTIONS TO ROCK ISLAND.

SCENARIO ASSUMES: (SAME ASSUMPTIONS AS #51)

1. NO PERSONNEL MOVING TO ROCK ISLAND AND NO NEW MILCON

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

LAST UPDATE: 27 APRIL 2005

Env Resource Area	<i>Gaining</i> Installation Assessment Inst Name: Rock Island Arsenal	Analyst Comments (& data source(s) that drive assessment)
Air Quality	The receiving installation is in attainment for all NAAQS.	#213 - In attainment for all criteria pollutants #211 - no threshold exceedences reported #212 - no permit/thresholds exceeded. #218/ISR - no AQM impact to mission. #220 - Title V Major Operating Permit
Cultural/Archeological/ Tribal Resources	No impact.	#233 - 75% of installation surveyed #235 65 historic properties #231 - Native people sites identified #236 - No programmatic agreement ISR/230/201 - No impact to mission #230 - Archeological resources identified, no restrictions reported #232 - Sites with high potential for archaeological resources identified #234 - N/A
Dredging	No impact	#226-228 - N/A
Land Use Constraints/Sensitive Resources	No impact	#30 - >300 BA reported #254 / 256 - no constraints reported CERL-high encroachment reported
Marine Mammals/Marine Resources	No Impact	#248-250, 252, 253 - N/A
Noise	No impact	#239 - No noise contours off-installation
Threatened & Endangered Species/ Critical Habitat	TES include Bald Eagle but has no impact on installation.	#259 - 1 TES identified (Bald Eagle) - no restrictions. #260-264 - None

<p><b>Waste Management</b></p>	<p>No impact</p>	<p>#265 – No RCRA TSD Facility                  #269 No RCRA Subpart X Permit                  #272 No permitted solid waste disposal facility</p>
<p><b>Water Resources</b></p>	<p>Water quality impaired by pollutant loadings. Current operations may contribute to impaired water quality. Significant mitigation measures to limit releases may be required to reduce impacts to water quality and achieve USEPA Water Quality Standards.</p>	<p>#293/ISR - no restrictions                  No water constraints.                  #297 – Installation uses publicly owned off-installation sewage treatment plant                  #276 – Not located over a sole-source aquifer                  #279 – Installation discharges to impaired waterway                  #275 – Groundwater contamination includes PCBs/oils, chromium, TCEA, Vinyl Chloride and Lead                  #281 – Surface water contamination includes TCE, Vinyl Chloride, PNAs and chromium                  #282 – On-installation publicly owned industrial wastewater plant                  IREM indicates infrastructure to support additional 12,030 personnel</p>
<p><b>Wetlands</b></p>	<p>No impact</p>	<p>#251 - wetlands survey completed 9/99                  #259 - wetlands restrict 3.5% of installation</p>

**SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS**  
**SCENARIO # IND-0110V2 (51B)**

Env Resource Area	<i>Losing</i> Installation Assessment Inst Name: Mississippi AAP	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact	#213 All NAAQS in attainment.
Cultural/ Archeological Resources	No impact	#230-#235 No arch, cultural, Native Peoples, or historical sites reported.
Drinking	No impact	NA
Land Use Constraints/Sensitive Resource Areas	Environmental media contamination issues include IRP sites. Restoration, and/or monitoring of contaminated media will likely be required after closure to prevent significant long-term impacts to the environment.	#273 Has MMRA's; (DERP 2002 shows none) Range Inventory - no operational ranges #240 - DERA CTC: \$2.3M, \$ spent through FY03 = none reported
Marine Mammals/Marine Resources	No impact	NA
Noise	No impact	NA
Threatened & Endangered Species/Critical Habitat	No impact	#259-#264 No TES, candidate species / habitat was reported.
Waste Management	No impact	#265 No RCRA TSD facility #269 No RCRA Subpart X Permit #272 No permitted solid waste disposal facility
Water Resources	Installation has domestic and industrial wastewater treatment plants that may require closure.	#275, #281 - No groundwater or surface water contamination #822 Has domestic and industrial wastewater treatment plants.
Wetlands	No impact	

**SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS**  
**SCENARIO # IND-0110V2 (51B)**

**IMPACTS OF COSTS**

<b>Env Resource Area</b>	<b>Gaining Installation Inst Name: Rock Island Arsenal</b>	<b>Losing Installation Inst Name: Mississippi AAP</b>
<b>Environmental Restoration *</b>	None	DERA CTC \$2.3M
<b>Waste Management</b>	None	Restoration of hazardous waste sites - \$500K - \$10M  Land Use Controls management/enforcement in perpetuity - \$50K - \$100K  Asbestos/Lead-based Paint Removal - \$200K-\$1M  -Controlled burning/ decontamination/ demolition of industrial structures/buildings heavily contaminated with explosives/metals -\$1M-\$10M
<b>Environmental Compliance</b>	-Install Best Management Practices to protect impaired waterways and reduce non-point source runoff from training areas and ranges - \$100K-\$3M -Endangered Species Management (includes monitoring) -\$20K-\$2M -ESA Consultation (BA Prep) -\$10K-\$100K NEPA EA less than 1000 people low impact - \$100K	-Environmental Baseline Survey (EBS) \$300K-\$500K  -Access controls/caretaker management of cultural sites \$500K-\$1M
<b>COBRA Costs:</b>	-Realignment NEPA at gaining base - \$100K (EA)	EBS plus disposal EIS - \$1.3M

INSTALLATION ENVIRONMENTAL PROFILE

**MISSISSIPPI AAP**

**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. MISSISSIPPI AAP is in Attainment for all Criteria Pollutants. It holds a CAA Synthetic Minor 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 MISSISSIPPI AAP. There is no programmatic agreement for historic property in place with the SHPO. It does not have sites with high archeological potential identified.

**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. MISSISSIPPI AAP 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. MISSISSIPPI AAP reports that 0 unconstrained acres are available for development out of 4214 total acres. MISSISSIPPI AAP has spent \$0M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$2M. MISSISSIPPI AAP does not have Explosive Safety Quantity Distance Arcs. 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. MISSISSIPPI AAP 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. MISSISSIPPI AAP 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. MISSISSIPPI AAP 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. MISSISSIPPI AAP does not have a permitted RCRA Treatment Storage and Disposal Facility (TSDF) . MISSISSIPPI AAP does not have an interim or final RCRA Part X facility . MISSISSIPPI AAP 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. MISSISSIPPI AAP does not discharge to an impaired waterway. Groundwater contamination is not 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):**  
MISSISSIPPI AAP has 23.699999999999999 Acre-Feet of surplus water potentially available for expansion. On average, it uses 0.040 MGD of potable and non-potable water, with the capacity to produce 0.40000000000000002 MGD. It processed on average 0.0299 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 0.14999999999999999 MGD. It processed on average 0.02 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process 13 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. MISSISSIPPI AAP reported 53% wetland restricted acres on the main installation, and no wetland restricted acres on ranges.

INSTALLATION ENVIRONMENTAL PROFILE

**ROCK ISLAND ARSENAL**

**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. ROCK ISLAND ARSENAL is in Attainment for all Criteria Pollutants. It holds a CAA Major Operating Permit. Emission credit programs may be available.

**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. Historic property has been identified on ROCK ISLAND ARSENAL. 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. ROCK ISLAND ARSENAL 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. ROCK ISLAND ARSENAL reports that 336 unconstrained acres are available for development out of 866 total acres. ROCK ISLAND ARSENAL has spent \$8.5M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$16M. ROCK ISLAND ARSENAL does not have Explosive Safety Quantity Distance Arcs.

**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. ROCK ISLAND ARSENAL 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. ROCK ISLAND ARSENAL 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. ROCK ISLAND ARSENAL 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. ROCK ISLAND ARSENAL does not have a permitted RCRA Treatment Storage and Disposal Facility (TSDF). ROCK ISLAND ARSENAL does not have an interim or final RCRA Part X facility. ROCK ISLAND ARSENAL 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. ROCK ISLAND ARSENAL discharges to an impaired waterway. Groundwater contamination is reported. Surface water contamination is 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):**

ROCK ISLAND ARSENAL has 1330.8 Acre-Feet of surplus water potentially available for expansion. On average, it uses 0.5390000000000003 MGD of potable and non-potable water, with the capacity to produce 1.728 MGD. It processed on average 1.5700000000000001 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 1.538 MGD. It processed on average 0.02 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process 0.02 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. ROCK ISLAND ARSENAL reported 3.5% wetland restricted acres on the main installation, and no wetland restricted acres on ranges.

100

100

**Recommendation Detail**

**156** Ind - 10 **Lima Tank Plant, OH**  Y  N **156**

**DoD Description** Realign Lima Tank Plant, OH. Retain the portion required to support the manufacturing of armored combat vehicles to include Army Future Combat System (FCS) program, Marine Corps Expeditionary Force Vehicle (EFV) chassis, and M1 Tank recapitalization program.

**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>
\$0.20	188	0.00%	Immediate	(\$5.85)	57	(\$22.30)	123	0.05%

*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
Realign	Fort Lewis	OH	0	0	0	0	0	0
<b>Net jobs for this Recommendation</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

**Other OSD Recommendations**

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

**157** Ind - 11 **Mississippi Army Ammunition Plant, MS**  Y  N **157**

**DoD Description** Close Mississippi Army Ammunition Plant, MS. Relocate the 155MM ICM artillery metal parts functions to Rock Island Arsenal, IL.

**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>
\$32.40	104	0.13%	7	\$10.75	111	(\$38.60)	109	0.08%

*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	Mississippi Army Ammunition Plant	MS	0	-4	-50	-54	-35	-89
Realign	Undistributed or Overseas Reductions	US	0	1	0	1	0	1
<b>Net jobs for this Recommendation</b>			<b>0</b>	<b>-3</b>	<b>-50</b>	<b>-53</b>	<b>-35</b>	<b>-88</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 12, 2005

MEMORANDUM FOR R. GARY DINSICK, ARMY TEAM LEADER

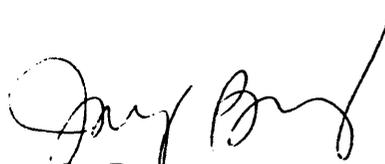
Subject: Army Ammunition Plants, OSD BRAC Clearinghouse Tasker C0843C

The following is in response to your e-mail inquiry of August 8, 2005, where you asked the following:

- 1. In relation to the responses for Clearing House Tasker E0492 and E0492 ERATA, there were products listed for Kansas, Mississippi, Lone Star and Riverbank Army Ammunition Plants. Please provide for each product at each installation the last year in which that product was produced at that installation, and the next year in which it is planned to be produced either at that installation or with another producer, and the planned length of that production run to include option years.*
- 2. For Kansas, Mississippi, Lone Star and Riverbank, please note the current contract period to include option years for the operating contract at each plant.*

Response: The attached uncertified spreadsheets were provided by the installations indicated and are responsive to your questions.

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

Attachments: As stated

## RIVERBANK ARMY AMMUNITION PLANT

PRODUCTS PRODUCED	LAST YEAR OF PLANNED PRODUCTION	NEXT YEAR OF PLANNED PRODUCTION	PLANNED LENGTH OF PRODUCTION (include option yrs)	CURRENT OPERATION CONTRACT (include option yrs)	Type
105mm HE/ICM Artillery (MP) (M14 FAMILY)	2003			Fac Use Contract - 30 Sep 2006	M14
	2002			Fac Use Contract - 30 Sep 2006	M14B1
105mm Tank (MP)	2005	2006	2002-2007	Fac Use Contract - 30 Sep 2006	M150 150 = Wallbuster
				Fac Use Contract - 30 Sep 2006	M148/150
				Fac Use Contract - 30 Sep 2006	M148 148 = Canister
				Fac Use Contract - 30 Sep 2006	M150
				Fac Use Contract - 30 Sep 2006	M148/150
155mm ICM Artillery (MP)	N/A	N/A			
155mm AGS NAVY	2005	2006	2003-2010	Fac Use Contract - 30 Sep 2006	
5" Navy Gun (MP)	2005	2006	ONGOING	Fac Use Contract - 30 Sep 2006	
60mm Mortar (MP)	1992		1985-1992	Fac Use Contract - 30 Sep 2006	M720
				Fac Use Contract - 30 Sep 2006	M722
				Fac Use Contract - 30 Sep 2006	M720
				Fac Use Contract - 30 Sep 2006	M302
				Fac Use Contract - 30 Sep 2006	M720
				Fac Use Contract - 30 Sep 2006	M720
76mm Naval Gun Ammunition (MP)	2005		2003-2005	Fac Use Contract - 30 Sep 2006	
76mm CANADIAN DOD	2002			Fac Use Contract - 30 Sep 2006	
76mm CAES (PRIME FOR NSWC)	2004			Fac Use Contract - 30 Sep 2006	
81mm Mortar (MP)	1992		1981-1992	Fac Use Contract - 30 Sep 2006	M374
				Fac Use Contract - 30 Sep 2006	M375
				Fac Use Contract - 30 Sep 2006	M879
				Fac Use Contract - 30 Sep 2006	M375
				Fac Use Contract - 30 Sep 2006	M374
				Fac Use Contract - 30 Sep 2006	M384
				Fac Use Contract - 30 Sep 2006	M374
MLRS (Submunitions) (MP)+A1:					
CARGO GRENADES	1990		1983-1990	Fac Use Contract - 30 Sep 2006	M42/M46
				Fac Use Contract - 30 Sep 2006	M42/M46/M77
				Fac Use Contract - 30 Sep 2006	M42/M46/M77
				Fac Use Contract - 30 Sep 2006	M42/M46/M77
				Fac Use Contract - 30 Sep 2006	M42

## KANSAS ARMY AMMUNITION PLANT

PRODUCTS PRODUCED	LAST YEAR OF PRODUCTION	NEXT YEAR OF PLANNED PRODUCTION	PLANNED LENGTH OF PRODUCTION (include option yrs)	CURRENT OPERATION CONTRACT (include option yrs)
105mm HE Artillery	1987	NA	NA	NA
120mm Mortar	1998	NA	NA	NA
155mm HE Artillery (M795)	2005	2006	Aug-06	Fac Use Contract - 30 Sep 2006
60mm Mortar	2005	2006	2006 schedules still being worked	Fac Use Contract - 30 Sep 2006
81mm Mortar	1980	NA	NA	NA
AGM-154	NA	NA	NA	NA
CBU-87	1996	NA	NA	NA
CBU-97 (Same as Sensor Fuzed Weapon Below)				
Detonators/Delays/Relays	1998	NA	NA	NA
MLRS				
Sensor Fuzed Weapon	2005	2006	2006	In negotiating out year contract
Shoulder-Launched Multipurpose Assault Weapon	2005			future work possible
Tomahawk Missile				

## LONE STAR ARMY AMMUNITION PLANT

PRODUCTS PRODUCED	LAST YEAR OF PRODUCTION	NEXT YEAR OF PLANNED PRODUCTION	PLANNED LENGTH OF PRODUCTION (include option yrs)	CURRENT OPERATION CONTRACT (include option yrs)
105mm ICM Artillery	2005	2006		Fac Use contract - 30 Sep 2006
155mm ICM Artillery	2004	2006 (M864 Recap)	Thru 2010	Fac Use contract - 30 Sep 2006
60mm Mortar	Never	None	None	Fac Use contract - 30 Sep 2006
81mm Mortar	1980	None	None	Fac Use contract - 30 Sep 2006
CBU-89	2004	None	None	Fac Use contract - 30 Sep 2006
Demonolition Charges	2004	None	None	Fac Use contract - 30 Sep 2006
Detonators/Delays/Relays	2005	2006	Thru 2010	Fac Use contract - 30 Sep 2006
FASCAM Mine	2005	2006 (Sale to Brits)	Thru 2009	Fac Use contract - 30 Sep 2006
MLRS	2005	2006	Thru 2010	Fac Use contract - 30 Sep 2006
Non-Lethal Munitions	2005	2006	Thru 2010	Fac Use contract - 30 Sep 2006
Primers	2005	2006	Thru 2009	Fac Use contract - 30 Sep 2006

# MISSISSIPPI ARMY AMMUNITION PLANT

PRODUCTS PRODUCED	LAST YEAR OF PRODUCTION	NEXT YEAR OF PLANNED PRODUCTION	PLANNED LENGTH OF PRODUCTION (include option yrs)	CURRENT OPERATION CONTRACT (include option yrs)
155mm ICM Artillery (MP)	1990	None in current POM yrs	None	ends 31 Dec 05 Facility Use Contract for care and maintenance

**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	<b>146.78M</b>	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	<b>1.20M</b>	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	<b>1.42M</b>	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	<b>25.20M</b>	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	<b>3.62M</b>	DERA has spent \$41,863M through FY03
General Mitchell Air Reserve Station, WI	0.07M	0	<b>0.07M</b>	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

Installation	DERA Cost to Complete	MMRP Cost to Complete	TOTAL	DERA & MMRP info.; <i>FY03 rpt; Revised CTC data from Clearinghouse responses</i>
Riverbank Army Ammunition Plant, CA	10.73M	0.87M	11.60M	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	18.63M	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	8.90M	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	1.32M	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	33.39M	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	13.30M	Completed IRP, no DERA; no operational ranges; <b><i>RC</i></b>
Mississippi Army Ammunition Plant, MS	2.3M	0	2.30M	DERA has spent \$0 through FY03; indicates they have MMRA, no operational ranges
Hawthorne Army Depot, NV	21.59M	361.65M	383.24M	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	3.13M	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

Installation	DERA Cost to Complete	MMRP Cost to Complete	TOTAL	DERA & MMRP info.; <i>FY03 rpt; Revised CTC data from Clearinghouse responses</i>
Umatilla Chemical Depot, OR	8.99M	1.30M	10.29M	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	2.66M	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	62.56M	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	66.10M	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	0	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>	145.04.M	\$472.38M	\$617.42M	

**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>	\$120.94	\$33.57M	<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

INDUSTRIAL JOINT CROSS SERVICE GROUP

July 28, 2005

MEMORANDUM FOR R. GARY DINSICK, ARMY TEAM LEADER

Subject: Kansas (KS), Lone Star (LS), Mississippi (MS), and Riverbank (RB)  
Army Ammunition Plants, OSD BRAC Clearinghouse Tasker E0492

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

1. *What are the DoD future requirements for each of the products that each installation produces? For each product, please provide requirements and funding through the POM. If there are no requirements in the POM, please relate the DoD's reasoning for maintaining that capability.*

Response:

KANSAS ARMY AMMUNITION PLANT	
Products Produced by Installation	Largest Annual Rqmt Thru 2025 (total for commodity)
105mm HE Artillery	1,202.08
120mm Mortar	6,884.17
155mm HE Artillery	40,588.83
155mm ICM Artillery	26,408.58
60mm Mortar	12,613.83
81mm Mortar	22,591.25
AGM-154	0
CBU-87	Combined with SFW
CBU-97	Combined with SFW
Detonators/Delays/Relays	6,855,047.44
MLRS	4,602
Sensor Fuzed Weapon	31.25
Shoulder-Launched Multipurpose Assault Weapon	150
Tomahawk Missile	60.58

<b>LONE STAR AAP</b>	
<b>Products Produced by Installation</b>	<b>Largest Annual Rqmt Thru 2025 (total for commodity)</b>
105mm ICM Artillery	354.00
155mm ICM Artillery	26,408.58
60mm Mortar	12,613.83
81mm Mortar	22,591.25
CBU-89	Combined with SFW
Demolition Charges	750,701.48
Detonators/Delays/Relays	6,855,047.44
FASCAM Mine	3,365
Grenades Hand	37,968.00
MLRS	4,602
Non-Lethal Munitions	565.75
Primers	1,583,365.77

<b>MISSISSIPPI AAP</b>	
<b>Products Produced by Installation</b>	<b>Largest Annual Rqmt Thru 2025 (total for commodity)</b>
155MM ICM ARTILLERY (MP)	13,239.58

<b>RIVERBANK AAP</b>	
<b>Products Produced by Installation</b>	<b>Largest Annual Rqmt Thru 2025 (total for commodity)</b>
105MM HE/ICM ARTILLERY (MP)	6920.72
105MM TANK (MP)	26.12
155MM ICM ARTILLERY (MP)	13239.583
5" NAVY GUN (MP)	7584.72
60MM MORTAR (MP)	Private Industry
76MM NAVAL GUN AMMUNITION (MP)	2,127.07
81MM MORTAR (MP)	Private Industry
MLRS (Submunitions) (MP)	2,383,836

Using the 20 Year Force Structure Plan, the Military Departments (Army, Navy, Air Force, and Marine Corps) identified the largest annual requirement out through FY 2025. On the AGM-154, capability existed at both Kansas and McAlester. Although there are

no requirements, we will retain capability at McAlester for unanticipated requirements that may materialize from the commercial sector.

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)

A handwritten signature in cursive script, appearing to read "Jay Berry".

Jay Berry  
Executive Secretary

INDUSTRIAL JOINT CROSS SERVICE GROUP

July 28, 2005

MEMORANDUM FOR R. GARY DINSICK, ARMY TEAM LEADER

Subject: Kansas (KS), Lone Star (LS), Mississippi (MS), and Riverbank (RB)  
Army Ammunition Plants, OSD BRAC Clearinghouse Tasker C0682

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

*1. There has been mention of proprietary processes at each plant. With a general description of the process and avoiding any proprietary restrictions, list each process at each installation, specifically noting whether the government or the operating contractor owns the process.*

Response: There are no proprietary processes at these sites. Some operating contractors may state that they have proprietary processes, but this is not true. At Government Owned and Government Operated facilities, the Government owns the land, buildings, requirements, Technical Data Package (TDP) and equipment. The operating contractor produces munitions to meet requirements as stated in the TDP (product requirements and drawings). To produce the requirements identified by the Government, the operating contractor establishes their own processes. The Government may have two contractors producing the same munitions and they may have two different processes. The DoD does not dictate processes. The requirement of the operating contractor is take the TDP provided by the government and develop the processes needed to successfully manufacture the end item.

*2. For each line where the process is owned by the operating contractor, how was it determined that the line could be moved to and incorporated with production at another GOCO facility with a different operating contractor or a GOGO?*

Response: Every operating contractor is given a TDP and develops his own processes, but they do not own the TDP. The TDP, requirements, land, buildings, and equipment belong to the Government. Contracts are awarded through a competitive process. A contractor may get the bid for a contract and remain at a site for 15 or 20 years. This does not give him proprietary right to any of the requirements. If he loses the bid and another contractor wins, the operating contractor leaves and another comes on board. The Government has the authority to close down a site and has no obligations to take that contractor with the workload.

At the time of closure, if there is an open contract between the government and the operating contractor, the government will pay termination cost. The IJCSG reviewed the contract expiration dates and captured contract termination cost in the COBRA run when appropriate.

3. Will workload from each plant closure be directed to the gaining installation? Is there any DoD, Army, or PEO directive to competitively award workload? If so, what is it? Do these recommendations violate any of those directives? How, or why not?

Response:

- The BRAC recommendations do direct workload to specific installations:
  - Mississippi:
    - Cargo Grenade Metal Parts to Rock Island
  - Kansas:
    - Sensor Fuzed Weapon, Cluster bombs, and Missile Warheads to McAlester
    - Artillery and Mortar to Milan
    - Artillery and Missile Warheads to Iowa
    - Detonators/relays/delays to Crane
  - Riverbank:
    - Deep Drawn cartridge Case and Cargo Grenade Metal Parts to Rock Island
  - Lone Star:
    - Storage and demilitarization to McAlester
    - Artillery, MLRS, Hand Grenades, Primers and Mortars to Milan
    - Mines, Detonators/relays/delays to Iowa
    - Demolition Charges to Crane
- Contracts do not automatically go to the same or incumbent contractor. Each new requirement, including the facility use contracts that govern use of our GOCOs, must meet the Competition in Contracting Act Requirements, (CICA is a Public Law, 10 USC 2304 and 41 USC 253, execution of this PL is defined in the Federal Acquisition Regulation (FAR) Part 6.) whereby the standard is to compete the requirement unless we are able to meet the preordained exceptions to competition. All of these requirements/determinations are met during the acquisition planning phase.
- For GOCOs:
  - The operating contractor does not automatically follow the workload
  - When requirements go away at a site, the contractor goes away
  - In the remaining industrial base, if you have more than one capable producer, the FAR directs competitive awarding of workload
  - The Iowa and Milan recommendations do not violate this FAR directives.
- For GOGOs:
  - Site may get the work performed by:
    - Opting to perform the work themselves OR
    - Perform a portion of the workload and contract out a piece OR
    - Totally contract the workload out OR
    - Join with a contractor through Public Private Partnering
    - There is no violation of any directive with any of these choices
  - The win/win decision for the GOGOs is Public Private Partnering

4. *If the workload will not be directed to the gaining installations and the work will be competitively awarded, how can the recommendations be evaluated on the merits of the proposed relocations of capabilities to other Army GOCOs or GOGOs?*

Response: BRAC language does relocate workload to a specific site, but how the work is performed becomes the issue.

- Example: When we say that the 105/155MM HE Artillery round is going to Iowa from Kansas, both Iowa and Kansas have the capability and Iowa won the last competition and is currently producing. At the time that we collected certified capacity data: For the 105MM HE, Kansas lines were laid away and Iowa's were active. For the 155MM HE, Kansas' lines were active, but not producing (since then Kansas has been producing the M795) and Iowa's are active and producing.
- In the future ,if there are two sites with the capability to produce the 105/155MM HE, both places will bid on the contract and the next time, the other site may be the producer if they win the bid
- When the recommendation relocated a function to another site, generally, the site is already producing the item and is likely to win the bid. This is why privatization is not a good idea unless you have sufficient workload to support both the government base and the private sector. With these recommendations competition should remain within the government industrial base among the producers with capability.

5. *The justifications for MSAAP and RBAAP reference the DoD ability to "nurture partnership with multiple sources in the private sector". Please define and interpret the intent of this statement.*

Response:

- o The phrase "nurture partnership with multiple sources in the private sector" means that at places like Rock Island and McAlester, the government has an opportunity to do something very smart and leverage the advantages of the public and private sectors.. They have an opportunity to take the workload directed to them via the BRAC and go into Public Private Partnering with "capable" operating contractors and have a "win, win" situation for both the contractor and the GOGO.
- o This situation lends itself to increasing future workload and capacity for Rock Island and the contractor that wins the bid.

6. *Is the intent to close each installation but retain the same operating contractor at the gaining installation? How will this be implemented with the GOGO or one operating contractor at the GOCO now owning the line operated by a different operating contractor or the government?*

Response:

- o There is no assumption that the operating contractor of the closing site will automatically go to the gaining installation.
- o For GOGOs:
  - Site may get the work performed by:
    - Opting to perform the work themselves OR
    - Perform a portion of the workload and contract out a piece OR

- Totally contract the workload out OR
- Join with a contractor through Public Private Partnering
- For GOCOs:
  - The operating contractor does not automatically follow the workload
  - When requirements go away at a site, the contractor goes away
  - An example of what will happen following BRAC: 105/155MM HE Artillery workload at Kansas relocates to Iowa. The contractor at Iowa is in charge of producing 105/155MM HE Artillery. The contractor at Kansas is no longer involved in the process.
  - This example does not forgo the fact that this is still a competitive process and Iowa would have to win the competition.)

7. *Is the intent for the new line to be operated by the current operating contractor as a tenant on the gaining installation? How is there a "savings" if we have only changed the location in which it's manufactured, and what have we truly accomplished?*

○ GOCO: The contractor at the gaining site is responsible for the workload. The contractor at the losing site is no longer involved. The current contractor will not always follow the workloads. The DoD "saves" by closing a site.

- GOGO:
  - Site may get the work performed by:
    - Opting to perform the work themselves OR
    - Perform a portion of the workload and contract out a piece OR
    - Totally contract the workload out OR
    - Join with a contractor through Public Private Partnering
    - The DoD "saves" by closing a site.

8. *What is the PEO Ammunition position on these recommendations?*

Response: The Department of the Army concurred with these recommendations

9. *Without responding that this is an implementation determination, specifically what equipment from each installation will move to each of the gaining installations? For each move, what is the estimated cost to move that equipment?*

- Mississippi: \$14.5M
  - Grenade Metal Parts equipment
- Riverbank: \$15M
  - Drawing Presses
  - Heat treat
  - Plating equipment
- Kansas: \$7.9M
  - Sub-munitions explosive warhead presses
  - Assembly equipment
  - Test fixtures
  - Load, Assemble, and Pack equipment
  - ICM equipment

- Lone Star: \$4.6M
  - Detonator loading machines
  - Primer support equipment
  - ICM equipment
  - MLRS equipment
  - Grenade equipment

*10. If the intent is to divest the Army of excess property, why does this need to be accomplished through BRAC?*

Response: These four recommendations involve the disestablishment, relocation, and start-up of functions. The only way to accomplish this is through the BRAC process.

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

Response:

- Lone Star: 5%
- Mississippi: 0%
- Kansas: 5%
- Riverbank: 5%

*12. Provide updated certified data on the personnel levels by military officer, enlisted, civilian and contractor for each installation.*

- Kansas:
  - Certified data: Officers: 0; Enlisted: 0; Civilians: 8; Contractors: 159
  - Updated uncertified data: Officers: 0; Enlisted: 0; Civilians: 8; Contractors: 279
- Lone Star:
  - Certified data: Officers: 2; Enlisted: 0; Civilians: 18; Contractors: 129
  - Updated uncertified data: Officers: 2; Enlisted: 0; Civilians: 18; Contractors: 382
- Mississippi:
  - Certified data: Officers: 0; Enlisted: 0; Civilians: 3; Contractors: 50
  - Updated uncertified data: Officers: 0; Enlisted: 0; Civilians: 3; Contractors: 45
- Riverbank:
  - Certified data: Officers: 0; Enlisted: 0; Civilians: 4; Contractors: 85
  - Updated uncertified data: Officers: 0; Enlisted: 0; Civilians: 4; Contractors: 75

*13. Addressing each installation, what are the advantages and disadvantages to privatizing these functions and installations in place? Why is this or is this not a sound business decision?*

- When the IJCSG began its analysis, the industrial base had 14 sites responsible for munitions production. The highest production utilization rate at any one of the 14 was 50% and the lowest was 0%. This indicates there is insufficient workload to support the

industrial base and the customer loses buying power because much of what they need to buy bullets for the war-fighter is paying overhead.

o Privatization does not fix this problem. It allows the industrial base to remain the same size, while doing nothing more than transferring ownership. If we privatize and competition remains in both the industrial base and in the private sector, the customer will pay overhead twice. One time to maintain the industrial base that we retained and another time to private industry. There is no advantage to privatization of any of the functions being relocated from Lone Star, Kansas, Riverbank, or Mississippi

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)



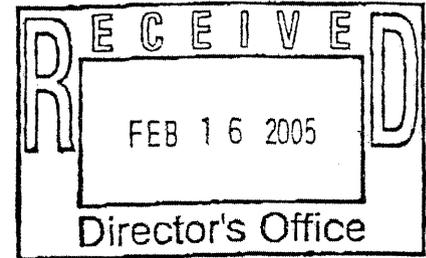
Jay Berry  
Executive Secretary



HALEY BARBOUR  
GOVERNOR

STATE OF MISSISSIPPI  
OFFICE OF THE GOVERNOR

February 15, 2005



The Honorable Donald H. Rumsfeld  
Secretary of Defense  
1000 Defense Pentagon  
Washington, DC 20301-1000

Dear Secretary Rumsfeld:

The State of Mississippi respectfully requests that the Department of Defense recommend in the 2005 Base Closure and Realignment (BRAC) process the closure of the Mississippi Army Ammunition Plant (MSAAP) at Stennis Space Center in Hancock County, Mississippi. I believe that this action would be in the best interests of both the Department and the surrounding community.

MSAAP occupies 6,000 acres at NASA's Stennis Space Center through a long-term lease with NASA. Opened as a state-of-the-art ammunition plant in 1983, MSAAP was completely closed by 1990 and its 1,700 employees laid off – a huge economic impact for a small state like Mississippi. Interestingly, the abandoned plant never came up during the 1991, 1993, and 1995 BRAC rounds. Today, the Army has a contract with Mason Technologies Inc. (MTI) to maintain the facility and attract tenants. However, over half a million square feet of floor space in former Army facilities and 4,200 acres remain unused.

The State of Mississippi has actively worked as a principal force to bring new business to the MSAAP plant, including a Boeing RS-68 rocket engine assembly plant (a \$7 million state investment) and an IONATRON laser technology production facility (a \$2 million state commitment). In addition, NAVOCEANO, a NASA tenant, is using several of the old ammunition bunkers as secure data storage sites.

The MSAAP facilities can be more effectively utilized through more aggressive and responsive local control. In addition, this closure would ameliorate the need for the Army to continue to spend millions of dollars annually to hold on to an abandoned facility in growing disrepair. These cost savings alone are reason to close the facility through the BRAC process.

Further, I believe that greater economic redevelopment success for the unoccupied spaces could be achieved through more direct participation with the MSAAP property without the complications resulting from the continued involvement of the Army and, particularly, MTI. I understand that Stennis Space Center has previously requested transfer of a portion of the leased land back to NASA control but the Army has declined.

The Honorable Donald H. Rumsfeld  
February 15, 2005  
Page 2

Once the BRAC decisions are enacted into law, the state would like to support a process under which the Army would transfer the contract for maintaining the facilities to a local reuse authority to be designated by the Governor of the State of Mississippi. The Army would work in collaboration with the State of Mississippi, the local reuse authority, and the National Aeronautics and Space Administration (NASA) as represented by the Stennis Space Center to expeditiously transfer control of the leased land and facilities that comprise MSAAP. The parties would work in partnership with the Army to ensure that existing commitments to tenants are maintained and that issues involving costs for transitional property clean-up, maintenance, and ultimate environmental remediation are resolved.

Our people will be happy to work with the Army to develop a closure/transfer plan. I have assigned this responsibility for the State of Mississippi to the Mississippi Development Authority. The contact there for assistance is William S. Crawford, Deputy Director for Community Assistance, Mississippi Development Authority, P.O. Box 849 Jackson, MS 39205-0849. Tel: 601-359-6622. Email: WCrawford@Mississippi.org.

Thank you for considering this important request.

Sincerely,



Haley Barbour

cc: The Honorable Philip W. Grone  
Deputy Undersecretary of Defense for Installations and Environment  
3400 Defense Pentagon  
Washington, DC 20301-3400

Enjoyed seeing you, if only briefly,  
at Alfa. Hope you're well. I appreciate  
the job you're doing -  
Haley

**DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION  
2521 CLARK STREET  
ARLINGTON, VIRGINIA 22202  
(703) 699-2950**

**MEMORANDUM OF MEETING**

**DATE:** June 8, 2005

**TIME:** 9:00 AM

**MEETING [ X ] or PHONE CALL [ ] WITH:**

Day & Zimmermann Corp. Group

**SUBJECT:**

Hawthorne Army Depot  
Kansas Army Ammunition Plant  
Lone Star Army Ammunition Plant  
Mississippi Army Ammunition Plant  
Newport Chemical Depot

Note: All of the above installations are Government-Owned Contractor-Operated (GOCO) facilities for which Day & Zimmermann Corp. is the operating contractor.

**PARTICIPANTS:**

*Name/Title/Phone Number:*

**William R. Holmes**, President and CEO Munitions and Defense (DZMD) (215) 299-1567

**Cliff Chichowlaz**, President/General Manager Day & Zimmermann Hawthorne Corp. (775) 945-7660

**James J. Hickey**, Vice President of Government Affairs (703) 527-2147

**Michael H. Yoh**, Executive Vice President Munitions and defense (DZMD) (215) 299-1530

**Jerry E. Smith**, Vice President and General Manager Munitions and Government Services Lone Star AAP (903) 334-1210

**Ken Elliott**, General Manager Munitions and defense (DZMD) Kansas AAP (620) 421-7473

**Robert T. Herbert**, Senior Policy Advisor to Senator Harry Reid, Democratic Leader United States Senate-Nevada (202) 224-3542

**Shelley Hartmann**, Executive Director Mineral County Economic Development Authority (755) 945-5896

**Lynnette R. Jacquez**, Copeland Lowery Jacquez Denton & White (202) 347-5990

**Daniel C. Maldonado** Chief Executive Officer MARC Associates, Inc. (202) 833-0086

*Commission Staff:*

Gary Dinsick, Army Team Leader

Elizabeth Bieri, Army Team Analyst

\*George Delgado, Industrial-Joint Cross Services Issues Team Analyst

**SUMMARY/NOTES:**

**Hawthorne Army Ammunition Depot**

- Conditions have changed since 2003 data calls therefore COBRA submittal different from current numbers.
- Incorrect conclusions were reached by the Joint and Cross Services Team because data call numbers submitted for personnel were not included in the final report.
- Except for the installation Commander no military personnel are currently stationed at Hawthorne Army Ammunition Depot.
- Hawthorne Army Ammunition Depot is a Tier II Government Owned Contractor Operated (GOCO) munitions depot capable of shipping 2,000 tons of ammunition in 3 days.
- GOCOs provide an approach to rationalize the capacity of all ammunition functions (production, storage, renovation, and demilitarization) through competition.
- The decision shows a strategy to reduce GOCO's and to consolidate the workload into government owned government operated facilities.
- It's a capacity issue, particularly storage and demilitarization.
- Move to Tooele Army Ammunition Depot in Utah, a smaller installation than Hawthorne, is difficult as its storage space for ammunition is almost full. By 2007 all 8 current depots will be full with the returning ammunition (retrograde) from the Pacific rim, Europe, and Southwest Asia. The services will need to demilitarize 440K tons to create space for the overseas retrograde.
- There will be state licensing and permits issues at Toole and significant community issues. No encroachment issues exist at Hawthorne as it is surrounded by Federal lands, Tooele has encroachment issues.
- What is important are the types of facilities at Hawthorne, not the workload.
- Hawthorne's ammunition demilitarization capabilities were undervalued. The facility was not in full use during the 2003 data collection period and the data showed 0 munitions demilitarization when in fact Hawthorne was demilitarizing 6,000 tons per year.
- The demilitarization facility constructed in 1971-1972 was upgraded with new interiors, equipment, and technology and was accepted for use in 1984. The upgraded facility has a 50 year system design life that resulted in one of the few environmentally friendly ammunition demilitarization facilities in the country.
- The depot has two types of magazines in use by the Navy and the Marines for munitions storage that will need to be relocated.
- Hawthorne includes facilities appropriate for multi-function training, for example its area 101 is an urban training facility that looks like Iraq/Iran used by Seals, the US Marines, and Special Forces units who also use the barracks during training rotations.
- Hawthorne is currently working on providing a convoy live fire training scenario in its facilities.

- If Hawthorne closes down there will be significant community issues as the unemployment rate in the area will reach 27%.
- COBRA numbers do not include the tenants who will have to move if the depot closes down.
- Environmental clean up estimated at around \$383 Million were not included in the closing costs or payback for closure.
- The group recommends a BRAC commissioner visit to Hawthorne or as a minimum a staff visit.

#### **Kansas Army Ammunition Plant**

- Data does not consider current production at the depot.
- Expensive to move the facility due to specialized equipment i.e. a centrifuge.
- The Army will need to direct this workload movement to other Army ammunition activities or it could be competitively awarded to a non-U.S. source.

#### **Lone Star Army Ammunition Plant**

- There were data errors on personnel and capacity.
- No recognition in the data as to the complexity of producing ammunition.
- Potential for work to be contracted to SNC, Canada this will invalidate the projected savings, and the industrial base then will migrate to Canada. The Army will need to direct this workload movement to other Army ammunition activities or it could be competitively awarded to a non-U.S. source.
- Local use authority takes charge of the facilities and leases the facilities to Day & Zimmermann.

#### **Day & Zimmermann Group summary:**

- Concur with the assessment of overcapacity but believe the way to rationalize the capacity at the ammunition depots is through competition.
- Data used by the Joint and Cross Services team was inaccurate.
- It is a mistake to move Hawthorne into a smaller facility (Toole).
- Hawthorne's demilitarization capability was undervalued.
- Hawthorne was targeted for closure and the analysis was made to fit.
- Did the Joint and Cross Services' Team consider a scenario to close Toole Army Ammunition Depot?

#### **Day & Zimmermann Group recommendations:**

- Keep Hawthorne Army Ammunition depot open
- Privatize Kansas and Lone Star Army Ammunition Plants in place
- Agree with closures of Mississippi Army Ammunition Plant and Newport Chemical Depot
- Data call information in disagreement, query DOD.

Meeting was adjourned at 10:00AM, June 8, 2005.

\* Person responsible for this Memorandum: George M. Delgado

**Pendaflex**

*Esselle*

48330

30%



P4

MR. CHAIRMAN AND FELLOW COMMISSIONERS,  
DOD JUSTIFIES THE CLOSURE OF THE MISSISSIPPI  
ARMY AMMUNITION PLANT ON THE BASIS THAT  
CAPABILITY FOR PRODUCING METAL PARTS  
EXISTS AT OTHER LOCATIONS AND THE  
REMOVAL OF EXCESS FROM THE INDUSTRIAL  
BASE.

ARTILLERY METAL PARTS MISSIONS ARE  
RELOCATED TO THE ROCK ISLAND ARSENAL.

THE DOD COBRA SHOWS A \$38.63 MILLION  
DOLLAR 20-YEAR NET PRESENT VALUE SAVINGS  
WITH A PAYBACK PERIOD OF 7 YEARS.

THIS CLOSURE ELIMINATES 4 CIVILIAN AND 50  
CONTRACT POSITIONS.

**DOD JUSTIFICATION SLIDE –OFF**

**DOD ISSUES SLIDE – ON**

THE STATE OF MISSISSIPPI REQUESTED AND  
SUPPORTS THIS CLOSURE RECOMMENDATION.

THIS INSTALLATION IS AN UNDERUTILIZED  
GOVERNMENT OWNED, CONTRACTOR OPERATED  
METAL PARTS PLANT WITH A 0% UTILIZATION  
RATE. CLOSURE WILL REDUCE ARMY  
INFRASTRUCTURE AND GENERATE EFFICIENCIES.

THERE ARE NO ISSUES WITH THIS  
RECOMMENDATION

IN SUMMARY IT IS THE STAFF'S ASSESSMENT  
THAT THERE WAS NO DEVIATION FROM THE  
FINAL SELECTION CRITERIA OR THE FORCE  
STRUCTURE PLAN.

MR. CHAIRMAN THAT CONCLUDES MY PREPARED  
STATEMENT AND WE STAND READY TO ADDRESS  
ANY QUESTIONS YOU MIGHT HAVE.



Sec. 157: Mississippi Army Ammunition Plant - MS  
CDD Recommendation

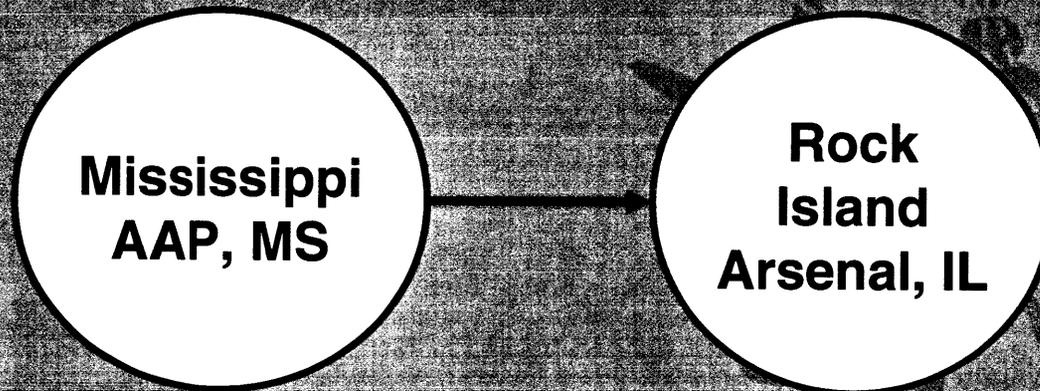
Close Mississippi Army Ammunition Plant, MS

[www.dau.army.mil](http://www.dau.army.mil)





# Sec. 157: Mississippi Army Ammunition Plant - MS Associated Installations





# Sec 157: Mississippi Army Ammunition Plant - MS DoD Justification

- Remove excess capacity

## Parts

- Generate efficiencies and nurture partnership with multiple sources in the private sector

## COBRA:

- 7-year Payback
- (\$38.6) M 20-year Net Present Value Savings
- Eliminates 4 positions



# Sec. 157: Mississippi Army Ammunition Plant - MS

10/20/03

There are no issues with this recommendation

processed and stamped

closure recommendation





# Staff Assessment

## Deviation from Final Selection Criteria

Military Value Other

Criterion	C1	C2	C3	C4	C5	C6	C7	C8
Deviation								

X=Deviation

The Staff found that the Secretary of Defense did not Deviate from the Selection Criteria



# Supporting Slides

For Commission Discussion & Subcommittees  
During Final Deliberations





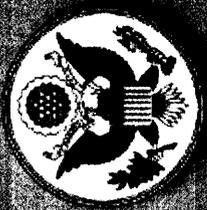
# Sec. 157: Mississippi Army Ammunition Plant - MS

## 1. Cost & Savings (C5)

### COBRA DATA

	DoD COBRA Run
<b>One Time Cost</b>	<b>\$32.4 M</b>
<b>Net Implementation Cost</b>	<b>\$10.8 M</b>
<b>Annual Recurring (Savings)</b>	<b>(\$5.1 M)</b>
<b>Payback Period</b>	<b>7 years</b>
<b>Net Present Value at 2025 (Savings)</b>	<b>(\$38.6 M)</b>





**DoD Recommendation**

**Sec. 157, Mississippi Army Ammunition Plant - MS**

**Class Mississippi Army Ammunition Plant, MS**

Sec. 157, Grand Arsenal, IL



## **Analysis: Mississippi Army Ammunition Plant, MS (Industrial # 11, Closure)**

- Underutilized Government Owned, Contractor Operated (Metal Parts) plant: data indicates 0%
- No issues
- The state of Mississippi supports the closure of the Army Ammunition Plant at Stennis Space Center
- The state has concerns about the projected costs for mitigation of the existing environmental and safety concerns.
- The state contends that these facilities can be more effectively utilized through more aggressive and responsive local control
- Environmental restoration cost:
  - DERA Cost to Complete – 2.30 M
  - MMRP Cost to Complete - 0
  - Total – 2.30 M
  - DERA has spent \$0 through FY03; indicates they have MMRA, no operational ranges

**Recommendation #157, Mississippi Army Ammunition Plant (Ind-11)**

The state of Mississippi supported the closure of the Army Ammunition Plant at Stennis Space Center, but also requested review and comment on the projected costs for mitigation of the existing environmental and safety concerns. The state contended that these facilities can be more effectively utilized through more aggressive and responsive local control, and that closure would ameliorate the need for the Army to continue to spend millions of dollars annually to hold on to an abandoned facility in growing disrepair.

## Army owned Ammunition Production Facilities

<u>GOCO Ammunition Plants</u>	<u>Operating Contractor</u>	<u>Location</u>	<u>Manufacturing Process</u>	<u>Status</u>
Badger	Olin Corporation	Baraboo, WI	Propellant	Excess
Cornhusker	None	Grand Island, NE	LAP	Excess
Hawthorne	Day & Zimmerman, Inc.	Hawthorne, NV	LAP	Excess
Hays	NA	Pittsburgh, PA	Ammo Storage	Tier 2 Depot
Holston	BAE	Kingsport, Tenn	MPTs	Disposed
Indiana	Indiana Reuse Authority.	Charlestown, IN	Explosive	Active
			Propellant & LAP	Excess
Iowa	American Ord (GDLS/D&Z)	Middletown, IA	LAP	Active
Joliet		Joliet, IL	LAP & Explosives	Excess
Kansas	Day & Zimmerman	Parsons, KS	LAP	Active
Lake City	Alliant TechSystems	Independence, MO	Small Caliber	Active
Lone Star	Day & Zimmerman, Inc.	Texarkana, TX	LAP	Active
Longhorn		Marshall, TX	LAP	Excess
Louisiana	Valentec	Shreveport, LA	MPTS	Semiactive
			LAP	Excess
Milan	American Ord (GDLS/D&Z)	Milan, TN	LAP	Active
Mississippi	Day and Zimmerman	Stennis Space Ctr., MS	MPTS	Semiactive
			LAP	Excess
Newport	None	Newport, IN	Explosives	Excess
Radford	Alliant Techsystems, Inc.	Radford, VA	Propellant	Active
Ravenna	Mason & Hanger	Ravenna, OH	LAP	Excess
Riverbank	Norris Industries	Riverbank, CA	MPTS	Active
Scranton	Chamberlain Mfg.	Scranton, PA	MPTS	Active
St. Louis	None	St. Louis, MO	MPTS	Excess
Sunflower	Spec-Pro	Desoto, KS	Propellant	Excess
Twin Cities		New Brighton, MN	LAP & MPTS	Excess
Volunteer	Tecumseh	Chattanooga, TN	Explosives	Excess
<u>(GOGO)</u>				
Crane Army Ammo Act*	NA	Bloomington, IN	LAP & Depot	Active
McAlester Army Ammo Plant	NA	McAlester, OK	LAP & Depot	Active
Pine Bluff Arsenal	NA	Pine Bluff, ARK	LAP	Active

\* Navy Installation