

Riverbank Army Ammunition Plant, California

Recommendation: Close Riverbank Army Ammunition Plant, CA. Relocate the artillery cartridge case 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 \$25.24M. The net of all costs and savings to the Department during the implementation period is a cost of \$10.44M. Annual recurring savings to the Department after implementation are \$6.54M with a payback expected within 3 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$53.34M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 106 jobs (89 direct jobs and 17 indirect jobs) over the 2006 – 2011 period in the Modesto, CA metropolitan statistical area, which is less than 0.1 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

Community Infrastructure: 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 Impacts: This recommendation has the potential to impact air quality at Rock Island Arsenal. A new Source Review will be needed for new construction and the added operations will require an Air Conformity analysis to determine the impact. Continued management and/or deed restrictions at Riverbank will be necessary to ensure future protection of federally listed species. Restoration, monitoring/sweeps, access controls, and/or deed restrictions may be required at Riverbank to prevent disturbance, health and safety risks, and/or long-term release of toxins to environmental media. Riverbank also has a domestic wastewater treatment facility that may require cleanup. This recommendation has the potential for a minor impact on water resources at Rock Island. This recommendation has no impact on cultural, archeological, or tribal resources; dredging; marine mammals, resources, or sanctuaries; noise; or wetlands. This recommendation will require spending approximately \$2.45M for environmental compliance activities. This cost was included in the payback calculation. Riverbank reports approximately \$10.5M in environmental restoration costs. Because the Department of Defense has a legal obligation to perform environmental restoration regardless of whether an installation is closed, realigned, or remains open, this cost was not included in the payback calculation. This recommendation does not otherwise impact

the costs of environmental restoration, waste management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

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>
Munitions Production						
	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

Activity:

Score:

Munitions Production

MCALESTER 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

IJCSG Summary Military Value Report for Munitions

Activity:

Score:

RIVERBANK AAP

0.1075

MISSISSIPPI AAP

0.0765

LOUISIANA AAP

0.0343

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Starting Year : 2006
 Final Year : 2011
 Payback Year : 2014 (3 Years)

NPV in 2025(\$K): -53,340
 1-Time Cost(\$K): 25,239

Net Costs in 2005 Constant Dollars (\$K)								
	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	----	-----
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	-9	-266	-266	-541	-266
Overhd	120	90	67	-4,129	-4,269	-5,487	-13,608	-6,276
Moving	0	0	0	35	0	0	35	0
Missio	0	0	0	0	0	0	0	0
Other	0	23,155	0	100	0	1,300	24,555	0
TOTAL	120	23,245	67	-4,003	-4,535	-4,453	10,441	-6,542
	2006	2007	2008	2009	2010	2011	Total	
	----	----	----	----	----	----	----	
POSITIONS ELIMINATED								
Off	0	0	0	0	0	0	0	
Enl	0	0	0	0	0	0	0	
Civ	0	0	0	4	0	0	4	
TOT	0	0	0	4	0	0	4	
POSITIONS REALIGNED								
Off	0	0	0	0	0	0	0	
Enl	0	0	0	0	0	0	0	
Stu	0	0	0	0	0	0	0	
Civ	0	0	0	0	0	0	0	
TOT	0	0	0	0	0	0	0	

Summary:

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 Rock Island Arsenal, IL.

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Base	Personnel			
	Start*	Finish*	Change	%Change
RIVERBANK AAP	4	0	-4	-100%
ROCK ISLAND	5,552	5,552	0	0%
TOTAL	5,556	5,552	-4	0%

Base	Square Footage				
	Start	Finish	Change	%Change	Chg/Per
RIVERBANK AAP	707,000	0	-707,000	-100%	176,750
ROCK ISLAND	6,750,000	6,750,000	0	0%	0
TOTAL	7,457,000	6,750,000	-707,000	-9%	176,750

Base	Base Operations Support (2005\$)				
	Start*	Finish*	Change	%Change	Chg/Per
RIVERBANK AAP	1,208,530	0	-1,208,530	-100%	302,132
ROCK ISLAND	35,157,693	35,157,693	0	0%	0
TOTAL	36,366,223	35,157,693	-1,208,530	-3%	302,132

Base	Sustainment (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
RIVERBANK AAP	5,066,896	0	-5,066,896	-100%	1,266,724
ROCK ISLAND	14,943,155	14,943,155	0	0%	0
TOTAL	20,010,051	14,943,155	-5,066,896	-25%	1,266,724

Base	Recapitalization (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
RIVERBANK AAP	2,642,447	0	-2,642,447	-100%	660,612
ROCK ISLAND	11,451,213	11,451,213	0	0%	0
TOTAL	14,093,660	11,451,213	-2,642,447	-19%	660,612

Base	Sustain + Recap + BOS (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
RIVERBANK AAP	8,917,873	0	-8,917,873	-100%	2,229,468
ROCK ISLAND	61,552,062	61,552,062	0	0%	0
TOTAL	70,469,935	61,552,062	-8,917,873	-13%	2,229,468

Base	Plant Replacement Value (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
RIVERBANK AAP	272,172,079	0	-272,172,079	-100%	68,043,020
ROCK ISLAND	1,179,474,945	1,179,474,945	0	0%	0
TOTAL	1,451,647,024	1,179,474,945	-272,172,079	-19%	68,043,020

Department : Industrial
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APR\IND 0112 Close Riverbank 05072005.CBR
Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
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.

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ONE-TIME COSTS -----(\$K)-----	2006 ----	2007 ----	2008 ----	2009 ----	2010 ----	2011 ----	Total -----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	0	0	115	0	0	115
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	35	0	0	35
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	9	0	0	9
OTHER							
Info Tech	0	0	0	0	0	0	0
Prog Manage	121	91	68	51	38	29	397
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	127	0	0	127
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	1,150	0	0	0	1,300	2,450
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	22,005	0	100	0	0	22,105
TOTAL ONE-TIME	121	23,246	68	437	38	1,329	25,239

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RECURRINGCOSTS -----(\$K)-----	2006 ----	2007 ----	2008 ----	2009 ----	2010 ----	2011 ----	Total -----	Beyond -----
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	2,642	2,642	2,642	2,642	2,642	2,642	15,852	2,642
TOTAL RECUR	2,642	2,642	2,642	2,642	2,642	2,642	15,852	2,642
TOTAL COST	2,763	25,888	2,710	3,079	2,680	3,971	41,091	2,642
ONE-TIME SAVES -----(\$K)-----	2006 ----	2007 ----	2008 ----	2009 ----	2010 ----	2011 ----	Total -----	Beyond -----
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	0
O&M								
1-Time Move	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	0
OTHER								
Environmental	0	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0	0
RECURRINGSAVES -----(\$K)-----	2006 ----	2007 ----	2008 ----	2009 ----	2010 ----	2011 ----	Total -----	Beyond -----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	4,307	4,307	4,307	12,920	5,067
Recap	2,642	2,642	2,642	2,642	2,642	2,642	15,855	2,642
BOS	0	0	0	0	0	1,208	1,209	1,208
Civ Salary	0	0	0	133	266	266	665	266
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	2,642	2,642	2,642	7,083	7,216	8,424	30,650	9,184
TOTAL SAVINGS	2,642	2,642	2,642	7,083	7,216	8,424	30,650	9,184

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ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
Civ Retir/RIF	0	0	0	115	0	0	115	
Civ Moving	0	0	0	35	0	0	35	
Info Tech	0	0	0	0	0	0	0	
Other	121	91	68	187	38	29	533	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	1,150	0	0	0	1,300	2,450	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	22,005	0	100	0	0	22,105	
TOTAL ONE-TIME	121	23,246	68	437	38	1,329	22,789	
RECURRING NET								
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	-4,307	-4,307	-4,307	-12,920	-5,067
Recap	-2,642	-2,642	-2,642	-2,642	-2,642	-2,642	-15,855	-2,642
BOS	0	0	0	-0	-0	-1,208	-1,209	-1,208
Civ Salary	0	0	0	-133	-266	-266	-665	-266
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	2,642	2,642	2,642	2,642	2,642	2,642	15,852	2,642
TOTAL RECUR	-0	-0	-0	-4,441	-4,574	-5,782	-14,798	-6,542
TOTAL NET COST	120	23,245	67	-4,003	-4,535	-4,453	10,441	-6,542

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Base: RIVERBANK AAP, CA (06742)	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	115	0	0	115
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	35	0	0	35
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	9	0	0	9
OTHER							
Info Tech	0	0	0	0	0	0	0
Prog Manage	121	91	68	51	38	29	397
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	127	0	0	127
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	1,300	1,300
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	15,000	0	100	0	0	15,100
TOTAL ONE-TIME	121	15,091	68	437	38	1,329	17,084

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Base: RIVERBANK AAP, CA (06742)	2006	2007	2008	2009	2010	2011	Total	Beyond
RECURRINGCOSTS								
-----(\$K)-----	----	----	----	----	----	----	-----	-----
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	2,642	2,642	2,642	2,642	2,642	2,642	15,852	2,642
TOTAL RECUR	2,642	2,642	2,642	2,642	2,642	2,642	15,852	2,642
TOTAL COSTS	2,763	17,733	2,710	3,079	2,680	3,971	32,936	2,642
ONE-TIME SAVES							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							Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	4,307	4,307	4,307	12,920	5,067
Recap	2,642	2,642	2,642	2,642	2,642	2,642	15,855	2,642
BOS	0	0	0	0	0	1,208	1,209	1,208
Civ Salary	0	0	0	133	266	266	665	266
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	2,642	2,642	2,642	7,083	7,216	8,424	30,650	9,184
TOTAL SAVINGS	2,642	2,642	2,642	7,083	7,216	8,424	30,650	9,184

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: RIVERBANK AAP, CA (06742)								
ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
Civ Retir/RIF	0	0	0	115	0	0	115	
Civ Moving	0	0	0	35	0	0	35	
Info Tech	0	0	0	0	0	0	0	
Other	121	91	68	187	38	29	533	
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	0	0	1,300	1,300	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	15,000	0	100	0	0	15,100	
TOTAL ONE-TIME	121	15,091	68	437	38	1,329	17,084	
RECURRING NET								
-----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	---- <td>---- <td>---- <td>---- <td>---- <td>---- <td>-----</td> <td>-----</td> </td></td></td></td></td>	---- <td>---- <td>---- <td>---- <td>---- <td>-----</td> <td>-----</td> </td></td></td></td>	---- <td>---- <td>---- <td>---- <td>-----</td> <td>-----</td> </td></td></td>	---- <td>---- <td>---- <td>-----</td> <td>-----</td> </td></td>	---- <td>---- <td>-----</td> <td>-----</td> </td>	---- <td>-----</td> <td>-----</td>	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	-4,307	-4,307	-4,307	-12,920	-5,067
Recap	-2,642	-2,642	-2,642	-2,642	-2,642	-2,642	-15,855	-2,642
BOS	0	0	0	-0	-0	-1,208	-1,209	-1,208
Civ Salary	0	0	0	-133	-266	-266	-665	-266
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	2,642	2,642	2,642	2,642	2,642	2,642	15,852	2,642
TOTAL RECUR	-0	-0	-0	-4,441	-4,574	-5,782	-14,798	-6,542
TOTAL NET COST	120	15,090	67	-4,003	-4,535	-4,453	2,286	-6,542

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: ROCK ISLAND, IL (17755)	2006	2007	2008	2009	2010	2011	Total
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 Contrac	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	1,150	0	0	0	0	1,150
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	7,005	0	0	0	0	7,005
TOTAL ONE-TIME	0	8,155	0	0	0	0	8,155

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: ROCK ISLAND, IL (17755)								
ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
Civ Retir/RIF	0	0	0	0	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	1,150	0	0	0	0	1,150	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	7,005	0	0	0	0	7,005	
TOTAL ONE-TIME	0	8,155	0	0	0	0	8,155	
RECURRING NET	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	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	8,155	0	0	0	0	8,155	0

COBRA ECONOMIC IMPACT REPORT (COBRA v6.10)

Data As Of 5/7/2005 12:39:45 PM, Report Created 5/7/2005 12:39:55 PM

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

RIVERBANK AAP, CA (06742)

	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	4	0	0	4
NET CHANGE-Civ	0	0	0	-4	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

SCENARIO ERROR REPORT (COBRA v6.10)

Data As Of 5/7/2005 12:39:45 PM, Report Created 5/7/2005 12:39:55 PM

Department : Industrial
Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
APR\IND 0112 Close Riverbank 05072005.CBR
Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

SCENARIO DATA:

"Industrial" is not a recognized Department.

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 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:
-----	-----
RIVERBANK AAP, CA (06742)	Closes in FY 2011
ROCK ISLAND, IL (17755)	Realignment

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

Point A:	Point B:	Distance:
-----	-----	-----

INPUT SCREEN THREE - MOVEMENT TABLE

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: RIVERBANK AAP, CA (06742)

Total Officer Employees:	0	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	0	Total Sustainment(\$K/Year):	5,115
Total Student Employees:	0	Sustain Payroll (\$K/Year):	48
Total Civilian Employees:	4	BOS Non-Payroll (\$K/Year):	1,208
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):	272,172
Starting Facilities(KSF):	707	Svc/Agcy Recap Rate (Years):	103
Officer BAH (\$/Month):	1,439	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	1,040		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	1.17		Admits Visits Prescrip
Per Diem Rate (\$/Day):	99	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:	37.716667	Retiree	0 0 0
Longitude:	-120.933333	Retiree65+	0 0 0

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 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

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: RIVERBANK AAP, CA (06742)

	2006	2007	2008	2009	2010	2011
	----	----	----	----	----	----
1-Time Unique Cost (\$K):	0	15,000	0	100	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	1,300
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):	2,642	2,642	2,642	2,642	2,642	2,642
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):	707	FH	ShDn: 0.000%

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: ROCK ISLAND, IL (17755)

	2006	2007	2008	2009	2010	2011
	----	----	----	----	----	----
1-Time Unique Cost (\$K):	0	7,005	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	1,150	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: RIVERBANK AAP, CA (06742)

	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	-4	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:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 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:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
APR\IND 0112 Close Riverbank 05072005.CBR
Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

FOOTNOTES FOR SCREEN ONE

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Close Riverbank Army Ammunition Plant, CA. Relocate the artillery cartridge case metal part functions to
Rock Island Arsenal, IL.

FOOTNOTES FOR SCREEN FIVE

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RIVERBANK:

FY 07 \$15,000k: Cost to skid, ship, and install equipment (MA-4 Action 7)

FY 09 \$100k: Cost to shut off utilities (MA-4 Action 7)

FY 11 \$1,300k: From page 14 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs"
for disposal environmental impact statement (EIS); FY 11 was selected this will allow Riverbank to complete
any required production prior to movement of equipment.

FY 06, 07, 08, 09, 10, and 11: \$2,642k 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).

707KSF: Fac ShDn is derived from Screen Four - static base information for "Starting Facilities"

ROCK ISLAND:

FY 07 \$7,005k: \$5,000k Cost for new equipment (MA-4 Action 7 alt 2)
\$2,000k Cost to refurbish building (MA-4 Action 7 alt 2)
\$5k Cost for training and travel (MA 4 Action 7 alt 2)

FOOTNOTES FOR SCREEN SIX

=====

Eliminate 4 civilians. Not needed at gaining site.

TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)
 Data As Of 5/7/2005 12:39:45 PM, Report Created 5/7/2005 12:39:55 PM

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 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
RIVERBANK AAP	0	0	0
ROCK ISLAND	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 5/7/2005 12:39:45 PM, Report Created 5/7/2005 12:39:55 PM

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
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 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Year	Cost(\$)	Adjusted Cost(\$)	NPV(\$)
----	-----	-----	-----
2006	120,406	118,754	118,754
2007	23,245,192	22,301,983	22,420,737
2008	67,532	63,027	22,483,764
2009	-4,003,327	-3,634,504	18,849,261
2010	-4,535,517	-4,005,510	14,843,751
2011	-4,453,139	-3,825,640	11,018,111
2012	-6,541,852	-5,466,955	5,551,156
2013	-6,541,852	-5,318,049	233,107
2014	-6,541,852	-5,173,200	-4,940,093
2015	-6,541,852	-5,032,296	-9,972,389
2016	-6,541,852	-4,895,229	-14,867,618
2017	-6,541,852	-4,761,896	-19,629,514
2018	-6,541,852	-4,632,195	-24,261,709
2019	-6,541,852	-4,506,026	-28,767,735
2020	-6,541,852	-4,383,294	-33,151,028
2021	-6,541,852	-4,263,904	-37,414,933
2022	-6,541,852	-4,147,767	-41,562,700
2023	-6,541,852	-4,034,793	-45,597,492
2024	-6,541,852	-3,924,896	-49,522,388
2025	-6,541,852	-3,817,992	-53,340,380

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
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 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 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	397,375	
Support Contract Termination	0	
Mothball / Shutdown	127,260	
Total - Overhead		524,635
Moving		
Civilian Moving	0	
Civilian PPP	35,496	
Military Moving	0	
Freight	0	
Information Technologies	0	
One-Time Moving Costs	0	
Total - Moving		35,496
Other		
HAP / RSE	0	
Environmental Mitigation Costs	2,450,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	22,105,000	
Total - Other		24,555,000

Total One-Time Costs		25,238,829

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		25,238,829

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
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 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: RIVERBANK AAP, CA (06742)
 (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	397,375	
Support Contract Termination	0	
Mothball / Shutdown	127,260	
Total - Overhead		524,635
Moving		
Civilian Moving	0	
Civilian PPP	35,496	
Military Moving	0	
Freight	0	
Information Technologies	0	
One-Time Moving Costs	0	
Total - Moving		35,496
Other		
HAP / RSE	0	
Environmental Mitigation Costs	1,300,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	15,100,000	
Total - Other		16,400,000

Total One-Time Costs		17,083,829

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		17,083,829

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 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	1,150,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	7,005,000	
Total - Other		8,155,000

Total One-Time Costs		8,155,000

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		8,155,000

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

	Rate	2006	2007	2008	2009	2010	2011	Total
	----	----	----	----	----	----	----	----
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	8.10%	0	0	0	0	0	0	0
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	4	0	0	4
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	2	0	0	2
Civilians Available to Move		0	0	0	2	0	0	2
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	2	0	0	2
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIREMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFS		0	0	0	2	0	0	2
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	2	0	0	2
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:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: RIVERBANK AAP, CA (06742)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
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	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED	0	0	0	4	0	0	4
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	0	0	2	0	2
Civilians Available to Move		0	0	0	2	0	2
Civilians Moving		0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	2	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	0	0	2	0	2
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	2	0	2
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:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
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 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 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
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 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: RIVERBANK AAP, CA (06742)

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%	0.00%
2007	0	0.00%	16.67%	0	0.00%	0.00%
2008	0	0.00%	16.67%	0	0.00%	0.00%
2009	0	0.00%	16.67%	4	100.00%	100.00%
2010	0	0.00%	16.67%	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%

COBRA TOTAL PERSONNEL SUMMARY REPORT (COBRA v6.10)

Data As Of 5/7/2005 12:39:45 PM, Report Created 5/7/2005 12:39:55 PM

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
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 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
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TOTAL SCENARIO POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
----- 110	----- 143	----- 0	----- 5,304

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
----- 110	----- 144	----- 0	----- 5,302

TOTAL PERSONNEL REALIGNMENTS, ENTIRE SCENARIO):

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

TOTAL SCENARIO POSITION CHANGES, ENTIRE SCENARIO:

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	0	0	0	0
Civilians	0	0	0	-4	0	0	-4
TOTAL	0	0	0	-4	0	0	-4

TOTAL SCENARIO POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
----- 110	----- 144	----- 0	----- 5,298

Department : Industrial
 Scenario File : Z:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
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PERSONNEL SUMMARY FOR: RIVERBANK AAP, CA (06742)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: RIVERBANK AAP, CA (06742)

Officers	Enlisted	Students	Civilians
0	0	0	4

SCENARIO POSITION CHANGES FOR: RIVERBANK AAP, CA (06742)

	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	0	0	-4	0	0	-4
TOTAL	0	0	0	-4	0	0	-4

BASE POPULATION (After BRAC Action) FOR: RIVERBANK AAP, CA (06742)

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:\Subgroups\Munitions\CANDIDATE RECOMMENDATIONS\ANALYSIS USED FOR FINAL SUBMIT TO OSD BRAC
 OFFICE 27 APR 05\RIVERBANK IND 0112 APR 26 COMPLETE\RIVERBANK IND 0112 Alt 2 Apr 26 COMPLETE\FINAL RIVERBANK 26
 APR\IND 0112 Close Riverbank 05072005.CBR
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
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Costs in 2005 Constant Dollars (\$K)								
	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	-----	-----
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	124	0	0	124	0
Overhd	2,763	2,733	2,710	2,820	2,680	2,671	16,377	2,642
Moving	0	0	0	35	0	0	35	0
Missio	0	0	0	0	0	0	0	0
Other	0	23,155	0	100	0	1,300	24,555	0
TOTAL	2,763	25,888	2,710	3,079	2,680	3,971	41,091	2,642

Savings in 2005 Constant Dollars (\$K)								
	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	-----	-----
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	133	266	266	665	266
Overhd	2,642	2,642	2,642	6,950	6,950	8,158	29,985	8,918
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	2,642	2,642	2,642	7,083	7,216	8,424	30,650	9,184

Economic Impact Report

This report depicts the economic impact of the following Scenarios:

IND-0112: Close Riverbank AAP

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

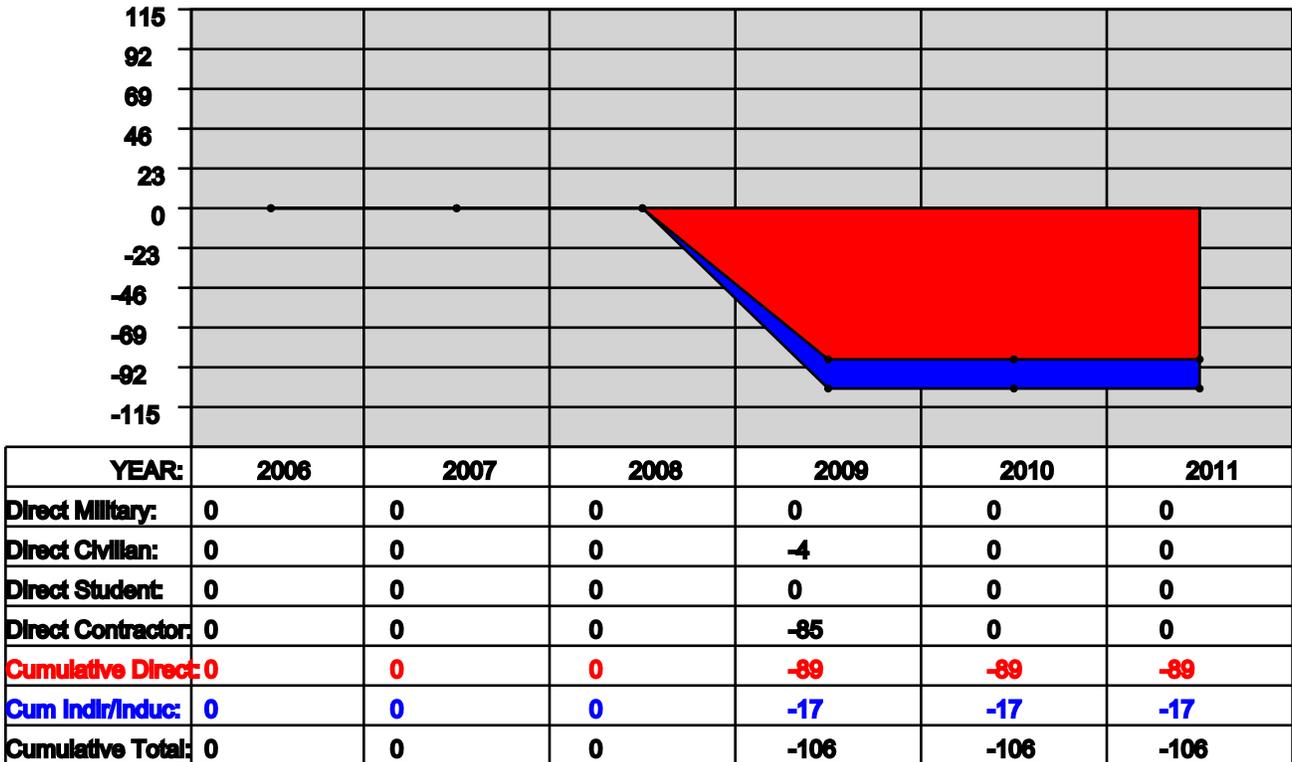
ECONOMIC IMPACT DATA

Scenario: All Selected (see title page)
Economic Region of Influence(ROI): Modesto, CA Metropolitan Statistical Area
Base: All Bases
Action: All Actions

Overall Economic Impact of Proposed BRAC-05 Action:

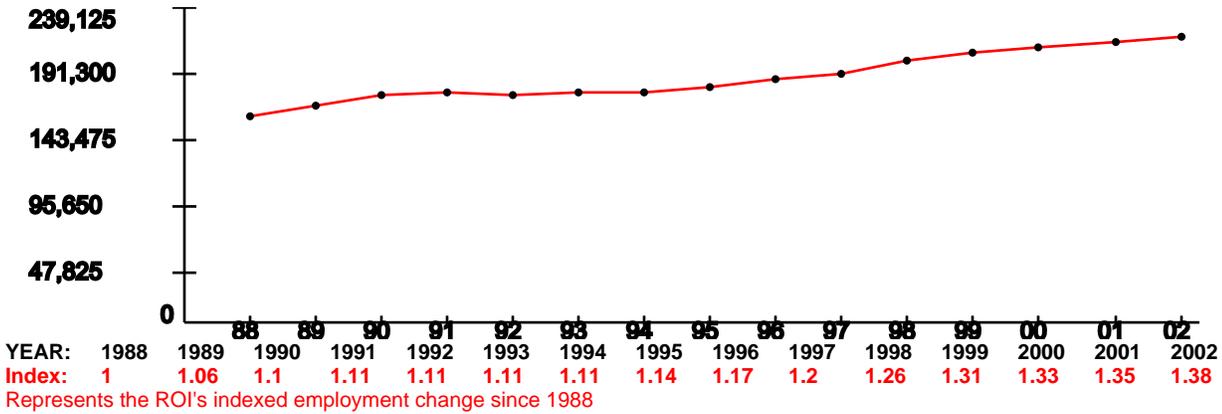
ROI Population (2002): 481,014
 ROI Employment (2002): 217,388
 Authorized Manpower (2005): 4
 Authorized Manpower(2005) / ROI Employment(2002): 0%
 Total Estimated Job Change: -106
 Total Estimated Job Change / ROI Employment(2002): -0.05%

Cumulative Job Change (Gain/Loss) Over Time:

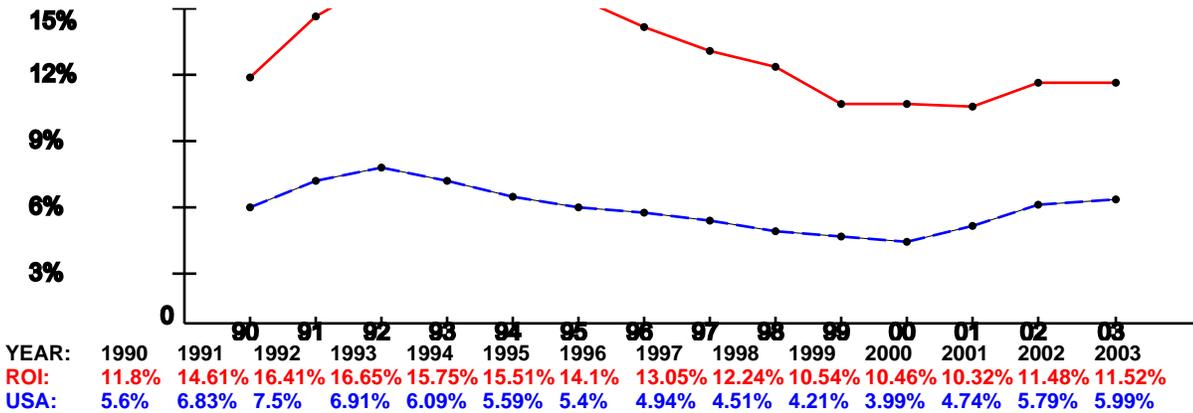


Modesto, CA Metropolitan Statistical Area Trend Data

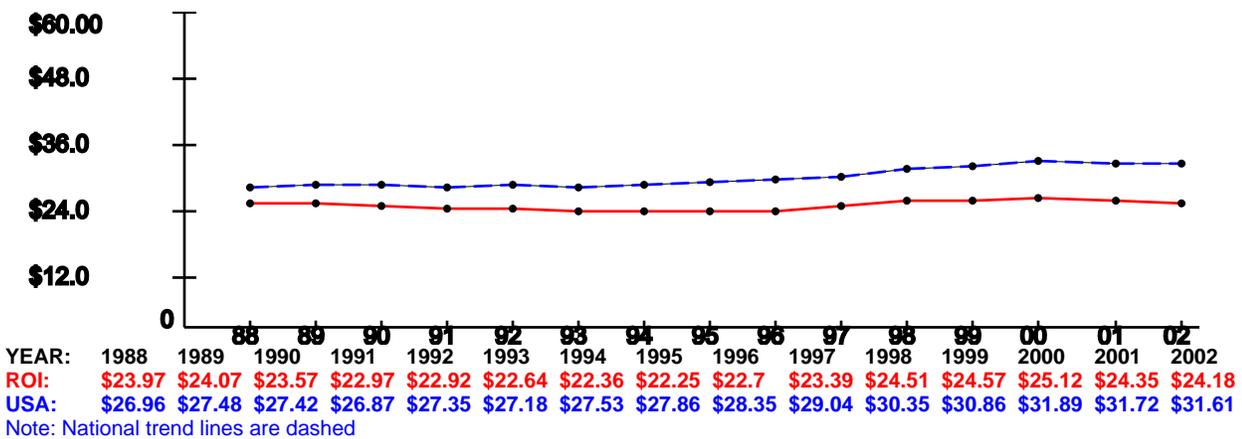
Employment Trend (1988-2002)



Unemployment Percentage Trend (1990-2003)



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



RIVERBANK AAP, CA

Demographics

The following tables provide a short description of the area near the installation/activity. RIVERBANK AAP is 1.5 miles from Modesto, CA, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
MODESTO MSA	446,997

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

County/City	Population
San Joaquin	563598
Stanislaus	446997
Total	1,010,595

Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 6

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)	\$40,101	Basis: MSA
Median House Value	(US Avg \$119,600)	\$125,300	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$1,439	
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	2,649	1 of 1 district
Students Enrolled	3,193	1 of 1 district
Average Pupil/Teacher Ratio	20.2:1	1 of 1 district
High School Students Enrolled	944	1 of 1 district
Average High School Graduation Rate (US Avg 67.3%)	93.2%	1 of 1 district
Average Composite SAT I Score (US Avg 1026)	958	1 of 1 district
Average ACT Score (US Avg 20.8)	20	1 of 1 district
Available Graduate/PhD Programs	1	
Available Colleges and/or Universities	2	
Available Vocational and/or Technical Schools	0	

Employment

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

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	10.5%	10.5%	10.3%	11.5%	11.5%
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	2.3%	1.1%	2.5%	1.3%	1.3%
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	5,661	Basis: MSA
Vacant Sale Units	1,646	
Vacant Rental Units	2,111	

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

Medical Providers

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

	# Physicians	# Beds	Population	
Local Community	730	1,144	446,997	Basis: MSA
Ratio	1:612	1:391		
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	6,027.0	Basis: MSA
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 RIVERBANK AAP to nearest commercial airport: 7.9 miles

Is RIVERBANK 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 #640****TITLE: IND-0112V2 CLOSE RIVERBANK AAP**

GENERAL DESCRIPTION: Close Riverbank Army Ammunition Plant. Relocate the artillery, mortar, and tank metal parts functions to Rock Island Arsenal.

Assumptions:

1. No new personnel or MILCON at Rock Island Arsenal

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	Impact Expected. The receiving installation is in attainment for all NAAQS. Addition of operations at the receiving installation will require New Source Review permitting. A more detailed emission analysis will be required to determine regulatory impact of new activities.	#213 - In attainment for all criteria pollutants #211 – Currently over permit limit for CO, PM10, Pb #212 - No permit/thresholds exceeded. #218/ISR - no AQM impact to mission. #220 – Title V Major Operating Permit
Cultural/Archeological/ Tribal Resources	No Impact. Installation has 65 historic properties identified but no archeological/burial sites and no restrictions.	#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 archeological resources identified #234 – Tribes have not asserted interest
Dredging	No impact	#226-228 – N/A
Land Use Constraints/Sensitive Resource Areas	No impact	#30 - >300 BA reported; 84 acres required (based on est. equiv of a small depot being moved). #201 – No additional constraints projected #254 / 256 - No constraints reported CERL Study – High encroachment projected
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	<p>Federally listed species includes Bald Eagle, with no impact to mission or training land.</p> <p>Threatened / Endangered species exist but do not currently impact operations. Additional operations may impact TES possibly leading to restrictions on operations.</p>	<p>#259 - 1 TES identified (Bald Eagle) - no restrictions.</p> <p>#260-264 - None</p>
Waste Management	<p>No impact.</p>	<p>#265 - No RCRA TSD Facility</p> <p>#269 - No RCRA Subpart X Permit</p> <p>#272 - No permitted solid waste disposal facility</p>
Water Resources	<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</p> <p>No water constraints.</p> <p>#297 – Installation uses publicly owned off-installation sewage treatment plant</p> <p>#276 – Not located over a sole-source aquifer</p> <p>#279 – Installation discharges to impaired waterway</p> <p>#282 – On-installation publicly owned industrial wastewater plant</p> <p>IREM indicates infrastructure to support additional 12,030 personnel; scenario adds 10 personnel -</p>
Wetlands	<p>No impact</p>	<p>#251 - wetlands survey completed 9/99</p> <p>#259 - wetlands restrict 3.5% of installation</p>

SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);
SCENARIO #640

Env Resource Area	<i>Losing Installation Assessment</i> Inst Name: Riverbank AAP	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact	#213 – In non-attainment for several criteria pollutants
Cultural/Archaeological/Tribal Resources	No impact	#230, 231, 232, 235 – no archeological sites, historical sites, Native People’s sites, or sites of high archeological potential
Dredging	No Impact	#227 – N/A
Land Use Constraints/Sensitive Resource Areas	No Impact	#240 – DERA sites reported – CTC is \$10.5M; \$50.2M spent thru FY03. Q#273 – No MMRA sites No operational ranges.
Marine Mammals/Marine Resources	No Impact	#248-250, 252, 253 – N/A
Noise	No Impact	#239 – N/A
Threatened & Endangered Species/Critical Habitat	Continued management and/or deed restrictions will be necessary to ensure future protection of federally listed species.	#259, 260, 263 – No listed or endangered species or critical habitat proposed #264 – Critical habitat present – Elderberry plants in evaporation/percolation ponds
Waste Management	Restoration, monitoring/sweeps, access controls, and/or deed restrictions may be required for these areas to prevent disturbance, health and safety risks, and/or long-term release of toxins to environmental media. Installation has domestic wastewater treatment facility that may require cleanup.	#265 - Has a RCRA TSD facility #269 - No Subpart X #272 - No permitted solid waste disposal #297 - 1 off-installation publicly-owned domestic ww treatment plant.
Water Resources	Environmental media contamination issues at the installation include cyanide and hexavalent chromium groundwater contamination. Restoration and/or monitoring of contaminated media will likely be required after closure in order to prevent significant long-term impacts to the environment.	#275 –Cyanide and hexavalent groundwater contamination #281 No surface water contamination
Wetlands	No Impact	#251 – Wetlands survey completed 09/97 #257 – No wetlands present

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);
SCENARIO #640**

IMPACTS OF COSTS

Env Resource Area	Gaining Installation Inst Name: Rock Island Arsenal	Losing Installation Inst Name: Riverbank AAP
Environmental Restoration*		#240 – DERA sites reported – CTC is \$10.5M No MMRA's No operational ranges
Waste Management		Restoration/monitoring of hazardous waste sites \$500K-\$10M + (notional)
Environmental Compliance	<ul style="list-style-type: none"> -Air Conformity Analysis - \$25K-\$75K (includes no mitigation costs) -New Source Review Analysis and Permitting - \$100K-\$500K -Endangered Species Management (includes monitoring) -\$20K-\$2M -ESA Consultation (BA Prep) -\$10K-\$100K -Realignment NEPA at gaining base – industrial-\$1M (EIS) 	<ul style="list-style-type: none"> -Controlled burning/ decontamination/ demolition of industrial structures/buildings heavily contaminated with explosives/metals -\$1M-\$10M Environmental Baseline Survey -(EBS) \$200K-\$300K Asbestos/Lead-based paint removal - \$200K-\$1M Access controls/caretaker management - \$500K-\$1M (annual)
COBRA Costs:	<ul style="list-style-type: none"> -Air Conformity Analysis - \$50K -New Source Review Analysis and Permitting - \$100K -Realignment NEPA at gaining base – industrial-\$1M (EIS) 	EBS plus disposal EIS - \$1.3M

INSTALLATION ENVIRONMENTAL PROFILE

RIVERBANK 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, O₃ (1 hour & 8 Hour), and PM (PM₁₀, and PM_{2.5}). 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 O₃, 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. RIVERBANK AAP is in Extreme Nonattainment for Ozone (1 hr). RIVERBANK AAP is in Severe Nonattainment for PM₁₀. RIVERBANK AAP is in Severe Nonattainment for NO₂. RIVERBANK AAP is proposed to be in Extreme Nonattainment for Ozone (8 hour). RIVERBANK AAP is proposed to be in Severe Nonattainment for PM 2.5. It holds a CAA Synthetic Minor Operating Permit. Emission credit programs may be available. No SIP growth allowance has been allocated for this installation. RIVERBANK AAP is in an area projected or proposed to be designated nonattainment for the 8-hour Ozone or the PM_{2.5} NAAQS.

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 RIVERBANK 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. RIVERBANK 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. RIVERBANK AAP reports that 25 unconstrained acres are available for development out of 173 total acres. RIVERBANK AAP has spent \$50.20000000000003M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$10M. RIVERBANK AAP 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. RIVERBANK 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. RIVERBANK AAP does not have noise contours that extend off the installation's property. It has published noise abatement procedures for the main installation.

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

- a. The presence of threatened and endangered species (TES) can result in restrictions on training, testing and operations. They serve to reduce buildable acres and maneuver space. The data in this section reflects listed TES as well as candidate species, designated critical habitat as well as proposed habitat, and restrictions from Biological Opinions. The legally binding conditions in Biological Opinions are designed to protect TES, and critical habitat. The data call seeks to identify the presence of the resource, TES, candidate or critical habitat, even if they don't result in restrictions, as well places where restrictions do exist.
- b. RIVERBANK 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. RIVERBANK AAP has a permitted RCRA Treatment Storage and Disposal Facility (TSDF) . RIVERBANK AAP does not have an interim or final RCRA Part X facility . RIVERBANK 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. RIVERBANK AAP does not discharge to an impaired waterway. Groundwater contamination is reported. Surface water contamination is not reported.
(The following water quantity data is from DoD Question # 282, 291, 297, 822, 825, 826):
RIVERBANK AAP has 5409.8000000000002 Acre-Feet of surplus water potentially available for expansion. On average, it uses 0.068 MGD of potable and non-potable water, with the capacity to produce 5.04 MGD. It processed on average 0.0299 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 0.57599999999999996 MGD. It processed on average 0.07 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process 1.5 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. RIVERBANK AAP reported no 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, O₃ (1 hour & 8 Hour), and PM (PM₁₀, and PM_{2.5}). 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 O₃, 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.