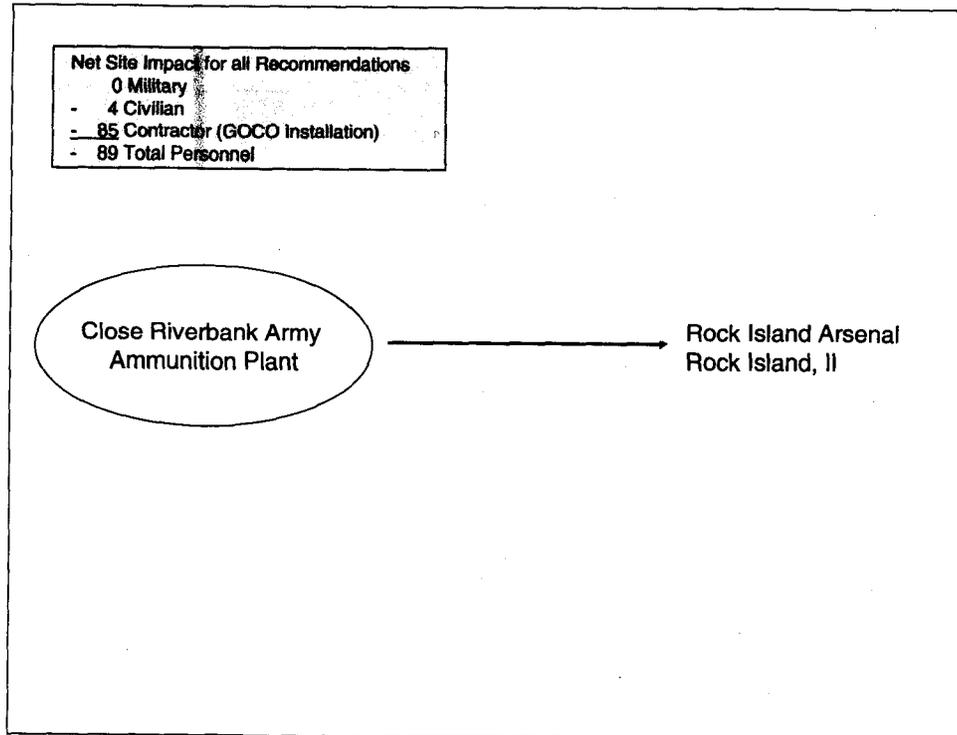


Comments					
Quantities					
Demiling of munitions					
mission date; question of completion date for demil					
ilities and, equipment to LRA; potentially proprietary processes					
in full usage					
arts closure					
garding missions and demil					
orage and demil capacities					
act, disestablish capacity reduce footprint					
mission date; question of completion date for demil					
ilities and, equipment to LRA; potentially proprietary processes					
mission date; question of completion date for demil					



Riverbank Army Ammunition Plant, CA

Recommendation:

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

Justification:

pendations
(ation)

Rock Island Arsenal
Rock Island, II



Environmental Impact: This recommendation has the potential to impact air quality at MCLB Albany, and Tobyhanna AD; and an expected impact at Letterkenny AD. This recommendation has a possible impact on historic properties at MCLB Albany. This recommendation has the potential to impact threatened and endangered species or critical habitat at MCLB Albany and Anniston AD. Anniston AD may require additional mitigation and pollution prevention measures with increased depot maintenance activities. Anniston may also require upgrades to its industrial wastewater treatment plant due to increased depot maintenance activities. This recommendation has no impact on dredging; land use constraints or sensitive resource areas; or marine mammals, marine resources, or marine sanctuaries; noise; waste management; or wetlands. This recommendation will require spending approximately \$0.1M for environmental compliance activities. This cost was included in the payback calculation. This recommendation does not otherwise impact the costs of environmental restoration, waste management, or 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.

Riverbank Army Ammunition Plant, CA

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 \$25.2M. The net of all costs and savings to the Department during the implementation period is a cost of \$10.4M. Annual recurring savings to the Department after implementation are \$6.5M 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 \$53.3M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation

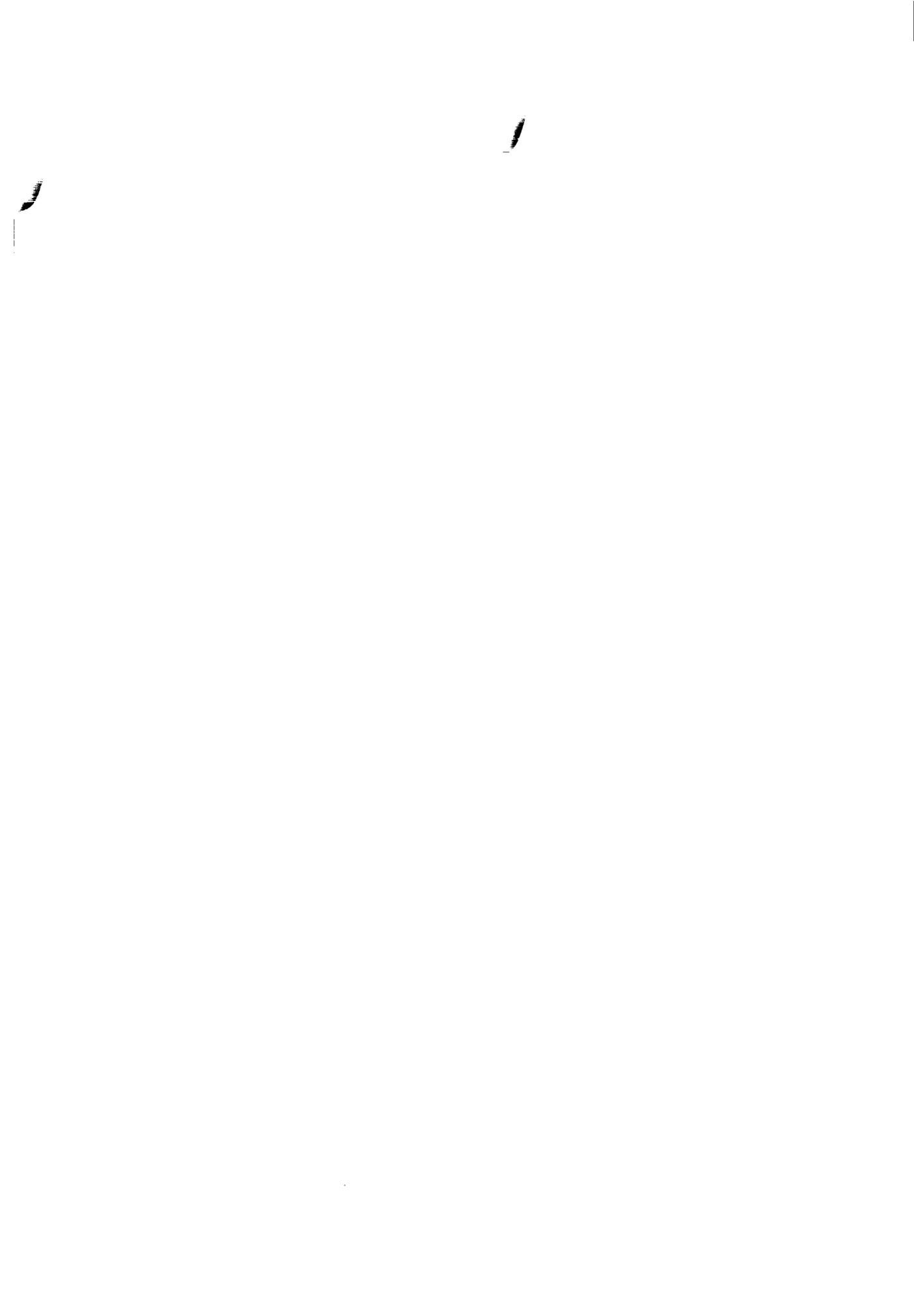
management and/or deed restrictions at Riverbank Army Ammunition Plant will be necessary to ensure future protection of federally listed species. Restoration, monitoring/sweeps, access controls, and/or deed restrictions may be required at Riverbank Army Ammunition Plant to prevent disturbance, health and safety risks, and/or long-term release of toxins to environmental media. Riverbank Army Ammunition Plant 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 Arsenal. 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 \$2.5M for environmental compliance activities. This cost was included in the payback calculation. Riverbank Army Ammunition Plant 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.

Sierra Army Depot, CA

Recommendation: Realign Sierra Army Depot, CA. Relocate Storage to Tooele Army Depot, NV and Demilitarization to Crane Army Ammunition Activity, IN, and McAlester Army Ammunition Plant, OK.

Justification: Capacity and capability for storage exists at numerous munitions sites. To reduce redundancy and remove excess from the Industrial Base, the realignment allows DoD to create centers of excellence and remove inefficiencies.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$33.4M. The net of all costs and savings to the Department during the implementation period is a cost of \$7.2M. Annual recurring savings to the Department after



ments Capacity Report

	<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>
ACTIVITY	513,720.0	31,486.	684,360.0	0	652,874.0
	300,000.0	957,340	1,300,000.0	0	342,660.0
	224,692.0	31,490.	232,692.0	0	201,202.0
PLANT	535,992.0	246.0	3,581,828.0	0	3,581,582.0
	71,030,000.0	60,680,	86,937,000.0	0	26,256,600.0
	24,143,996.0	664,901	24,143,996.0	0	23,479,095.0
	0.0	0.0	20,000.0	0	20,000.0
	39,625.0	15,187.	64,627.0	0	49,440.0
	1,150,275.0	324,440	1,160,475.0	0	836,035.0
	0.0	0.0	4,000,000.0	0	4,000,000.0
N_HEAD_MD	514,687.0	34,913.	965,607.0	0	930,694.0
DRKTOWN	3,510.0	4.0	3,510.0	0	3,506.0
	154,200.0	45,058.	585,080.0	0	540,022.0
	883,596.0	1,407,9	3,431,315.0	0	2,023,329.0
	15,000.0	5,000.0	1,068,000.0	0	1,063,000.0
	46,000.0	37,000.	50,000.0	0	13,000.0

IJCSG Summary Military Value Report for Munitions

<i>Activity:</i>	<i>Score:</i>
<i>Munitions Production</i>	
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

IJCSG Summary Military Value Report for Munitions

<i>Activity:</i>	<i>Score:</i>
RIVERBANK AAP	0.1075
MISSISSIPPI AAP	0.0765
LOUISIANA AAP	0.0343

12/16
put off

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2
 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

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:

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

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS 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

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

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10) - Page 2

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

* "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 1/9
 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 Pctrs 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	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
Miscn 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

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 3/9
 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

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) ----	----	----	----	----	----	----	----	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
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

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 4/9
 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.SPF

Base: RIVERBANK AAP, CA (06742)	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	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 Contract	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
Miscn 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

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 6/9
 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

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)-----	-----	-----	-----	-----	-----	-----	-----	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
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

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 7/9
 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

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 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	1,150	0	0	0	0	1,150
Miscn 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

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 9/9
 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

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.

COBRA INPUT DATA 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

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 Regd(\$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

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

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

=====

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

FOOTNOTES FOR SCREEN FIVE

=====

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
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 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

TOTAL COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 1/3
 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
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 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
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(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	

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)
 (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	

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	

TOTAL COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 1/3
 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

	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%

COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 2/3
 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

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	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 RETIRMENTS	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.SPF

Base: ROCK ISLAND, IL (17755)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT								
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								
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								
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%

COBRA PERSONNEL YEARLY PERCENTAGES 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

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
 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

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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 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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	143	0	5,298

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 2/2
 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

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

As of: Tue Apr 12 14:52:45 EDT 2005

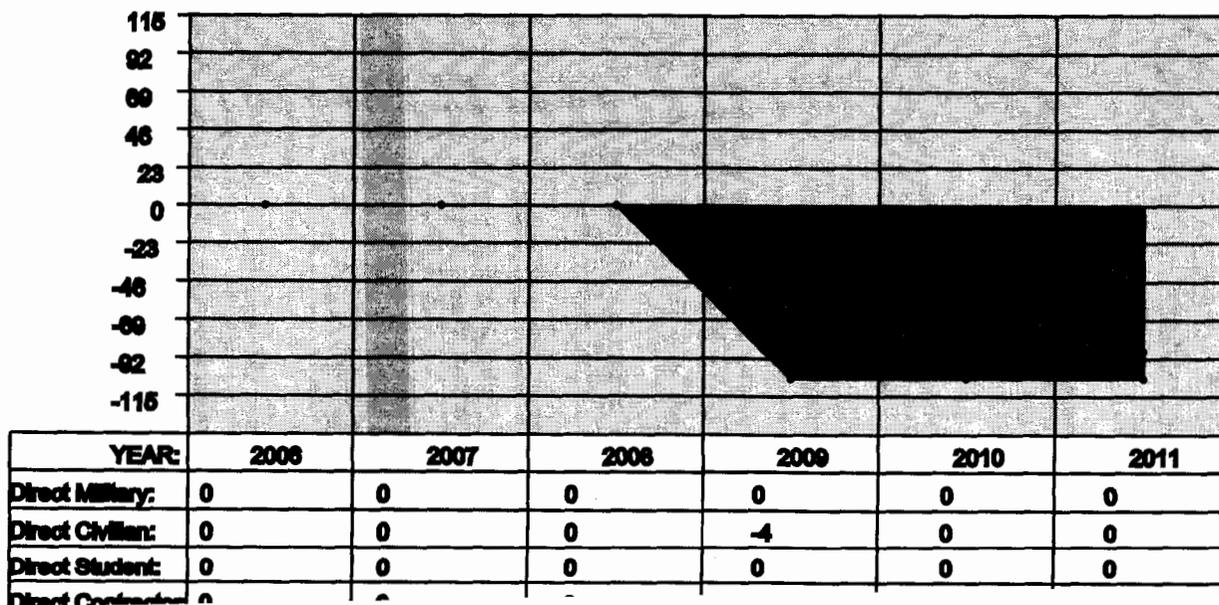
ECONOMIC IMPACT DATA

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:

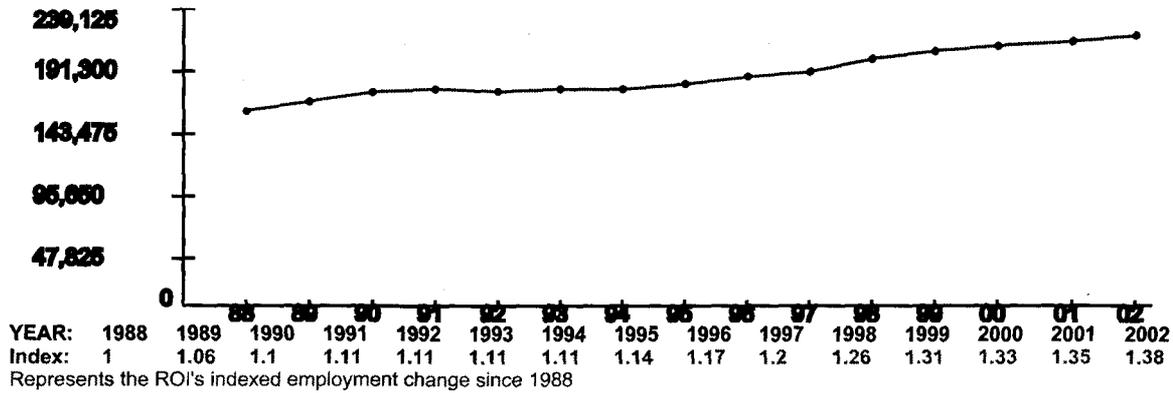
ROI Population (2002):	481,014
ROI Employment (2002):	217,388
Authorized Manpower (2005):	4
Authorized Manpower(2005) / ROI Employment(2002):	0%
Total Estimated Job Change:	-106
Total Estimated Job Change / ROI Employment(2002):	-0.05%

Cumulative Job Change (Gain/Loss) Over Time:

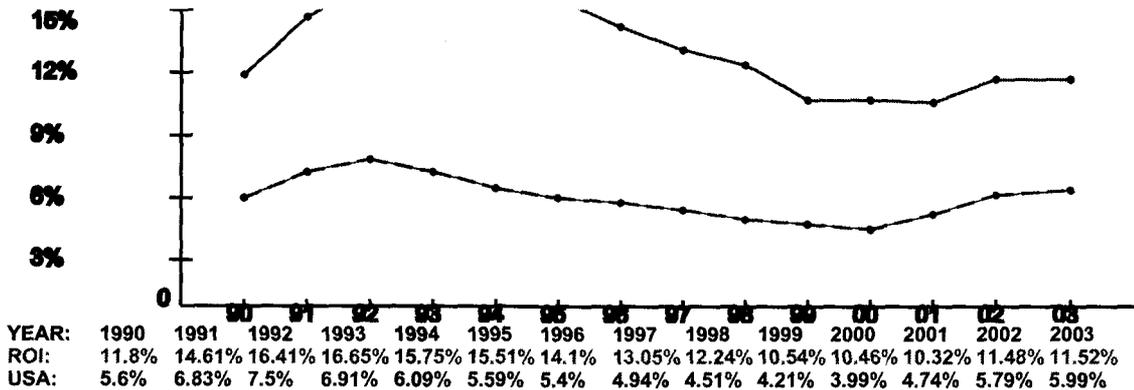


Modesto, CA Metropolitan Statistical Area Trend Data

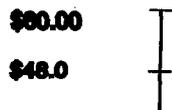
Employment Trend (1988-2002)



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%	

DRAFT DELIBERATIVE DOCUMENT - FOR DISCUSSION PURPOSES ONLY - NOT RELEASABLE UNDER FOIA

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

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-IL 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	("Cost of Living" 10.00%)	10.00%	

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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

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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

SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS
SCENARIO #640

[TABS FINAL VERSION]

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	Gaining 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 archaeological resources identified #234 - Tribes have not asserted interest
Dredging	No impact	#226-228 - N/A
Use Constraints/Sensitive Resources	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

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. #260-264 - None</p>
Waste Management	<p>No impact.</p>	<p>#265 - No RCRA TSD Facility #269 - No RCRA Subpart X Permit #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 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 #282 - On-installation publicly owned industrial wastewater plant 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 #259 - wetlands restrict 3.5% of installation</p>

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

Env Resource Area	<i>Losing</i> Installation Assessment 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	#265 - Has a RCRA TSD facility #269 - No Subpart X #272 - No permitted solid waste disposal #297 - 1 off-installation municipally-owned

**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

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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.

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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 areas and maneuver areas. The data in this

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- 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 5409.800000000002 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 0.5759999999999996 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

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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 PM2.5). 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):

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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. TFS candidate or critical habitat, even if they don't result in

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.

 **Pendaflex**
 *Esselte*

48430

30%



P4

of Bases

State	Net Mil.	Net Civ.	Net Cont.	Total Dir.	Total Indir.	Total Chng
CA	0	-4	-85	-89	-16	-105
Net Jobs for this Recommendation						

Total	10%	Payback (Years)	3	6 Year Net (\$M)	\$10.44	Rank/190	110	20-Year NPV (\$M)	(\$53.30)	Rank/190	100	% Total	0.11%
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CA: Relocate the artillery cartridge case metal parts functions to Rock Island Arsenal, IL.

Initiation Plant, CA

Y N **151**

of Bases

State	Net Mil.	Net Civ.	Net Cont.	Total Dir.	Total Indir.	Total Chng
CA	0	-47	0	-47	-38	-85
AL	0	2	0	2	1	3
PA	0	2	0	2	1	3
GA	0	5	0	5	3	8
PA	0	31	0	31	21	52
Net Jobs for this Recommendation						

Total	0.02%	Payback (Years)	1	6 Year Net (\$M)	(\$2.26)	Rank/190	68	20-Year NPV (\$M)	(\$17.70)	Rank/190	133	% Total	0.04%
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ch, CA, as follows: relocate the depot maintenance of Electronic Components (Non-Airborne), Fire Control Systems and Components, not, PA: relocate the depot maintenance of Material Handling to Marine Corps Logistics Base Albany, GA; relocate the depot maintenance of Tactical Missiles to Letterkenny Army Depot, PA.

n Seal beach, CA

Y N **150**

DoD's 33 Major Proposed Closures

Complete Environmental Restoration	Dollars Spent Through FY03	Operational Ranges Cost to Close	Comments
\$10.50M*	\$50.2M	0	
\$18.00M*	\$27.1M	\$8.8 - 21.4M	11 operational ranges
\$8.90M*	\$11.1M	\$3.1 - 29.3M	4 operational & 2 small arms ranges
\$1.22M*	\$16.3M	0*	Has potential buried VX munitions, cost TBD.
\$33.18M*	\$30.7M	\$4.7 - 46.6M	5 operational & 2 small arms ranges
\$13.30M	0	0	
\$2.3M*	0	0	
\$383.20M*	\$28.5M	\$29.2 - 324.8M	16 operational ranges
\$2.90M*	\$11M	\$15.3 - 110M	11 operational ranges
\$10.29M	\$53.5M	\$0.5 - 20M	Additional costs for UXO and or chemical contamination
\$2.74M	\$21.3M	\$1 - 24.2M	3 operational ranges
\$62.56M	\$17.9M	\$6.4 - 73.9M	8 operational & 2 small arms ranges
\$66.85M	\$23.3M	\$1 - 5M	UXO, chemical weapons, building decontamination and range cleanup
0*	\$1.8M	0*	no operational ranges; UXO in Moat no estimate given
\$15.94M	\$292.70M		
\$8.14M	\$684.70M	\$70M to \$655.2M	

Military munitions response program costs
Environmental Impacts provided by DoD, unless marked by a *
warehouse responses



NI INDUSTRIES, INC.

5215 S. BOYLE AVE. • P.O. BOX 58507 • LOS ANGELES, CALIFORNIA 90058
(323) 688-7111 • FAX (323) 588-7623

August 16, 2005

Subject: Privatization of Riverbank Army Ammunition Plant (RBAAP)

Reference: Questions and Responses Contained in BRAC Commission Document DCN 6382

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

Dear Chairman Principi:

NI Industries, Inc. (NI) recognizes and appreciates the interest the Commission has shown in listening to our concerns with the DoD's BRAC 2005 recommendation relative to the Riverbank Army Ammunition Plant (RBAAP).

During our presentations to the Commission staffers and the BRAC Commission NI championed the case to leave the cartridge case capability at RBAAP for the following reasons:

1. Potential risk to the supply chain for cartridge cases based on the complexity of the move.
2. Cost estimates for relocating the capability were understated and, thus, the payback overstated.
3. The concerns to keep jobs at Riverbank, which is a labor surplus area with high unemployment.

NI feels that it is extremely important to express our concerns with privatization raised in Question #13 of the above referenced document and the potential ramifications if privatization became the BRAC Commission's final decision. Key points for consideration:

Island. Only NI's unique technical capability and intellectual property can mitigate the risk and ensure quality production.

In closing, we hope the above information is helpful as you deliberate the various options before you. We reiterate our firm commitment to continuing our support of the war fighter's requirements, as well as the DoD's transformation.

Sincerely,



Brian McGuire
President

BM:gl

Cc: Mr. Dave Van Saun, Joint Cross-Service Team Leader
Mr. R. Gary Dinsick, Army Team Leader

BRAC Commission

AUG 18 2005

Received

NI INDUSTRIES, INC.

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LOS ANGELES, CALIFORNIA 90058

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TELEFAX COVER SHEET

DATE: Aug. 18, 2005

TO: Mr. R. Gary Dinsick (703) 699-2735
Army Team Leader

ENERGY AND COMMERCE

COMMERCE, TRADE AND CONSUMER
PROTECTION

ENERGY AND AIR QUALITY

TELECOMMUNICATIONS
AND THE INTERNET

RESOURCES

WATER AND POWER, CHAIRMAN

NATIONAL PARKS

<http://www.radanovitch.house.gov>



U.S. House of Representatives

Washington, DC 20515-0519

GEORGE RADANOVICH

19TH DISTRICT, CALIFORNIA

438 CANNON HOUSE OFFICE BUILDING

WASHINGTON, DC 20515-0519

(202) 225-4540

FAX: (202) 225-3402

2360 WEST SHAW, SUITE 137

FRESNO, CA 93711

(559) 449-2490

FAX: (559) 449-2499

121 WEST MAIN, SUITE 1

TURLOCK, CA 95380

(209) 656-8660

FAX: (209) 656-8649

COMMENT LINE

(202) 478-5389

August 15, 2005

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

Dear Mr. Chairman:

Recently, I reviewed a copy of the DOD/Industrial Joint Cross Service Group's responses of July 28, 2005 to the BRAC Commission's questions July 25, 2005 relating to three Army Ammunition Plants, including Riverbank.

My analysis of the DOD's responses indicate that there continues to be serious deficiencies in the information provided by DOD regarding the proposed relocation of the deep drawn large caliber cartridge case line to Rock Island Arsenal, together with the closure of Riverbank AAP. What is inexplicable about DOD's responses is its failure to provide the Commission with complete and exact information on Riverbank AAP. In the spirit of ensuring that the Commission has a full and accurate record on which to base its recommendations, I have attached our responses to several key questions raised by the Commission that deal with costs, utilization, savings, and the required capacity and know-how to manufacture deep drawn large caliber cartridge cases. (Questions 1-7; 9; and 11).

I believe there are also significant issues with DOD's responses on utilization and savings. (Questions 11 and 7). Additionally, despite the Commission's questions, as well as my own earlier questions on intellectual property and know-how, DOD continues to provide us only with very narrow and literal responses. It needs to be stressed, that since the only manufacturing process that successfully meets the technical requirements for producing large caliber cartridge cases is deep drawn and since NI Industries, as Riverbank's COGO, is the only manufacturer with that process, DOD should have addressed how it would secure that manufacturing IP and know-how to ensure successful ongoing production at Rock Island; and at what cost (Questions 1-6).

Finally, I do not understand DOD's response on public nurturing either, especially since Riverbank AAP is the only successful manufacturer of the large caliber cartridge case.

I hope that the attached responses will prove helpful to the Commission's deliberations. As we discussed by phone earlier, Riverbank AAP remains a valued military asset with its unique deep drawn large caliber cartridge case capabilities and should not be closed on the basis of seriously flawed cost, utilization, and capacity data as currently provided by DOD. The fact is that DOD has not done its homework; there is no in-depth analysis nor cost justification to merit a change in relocating this vitally needed cartridge case capability.

I greatly appreciate the Commission's continuing attentiveness to this critical matter.

Sincerely,



GEORGE RADANOVICH
MEMBER OF CONGRESS

August 12, 2005

The following is in response to DoD Memorandum of July 28, 2005 for R. Gary Dinsick, Army Team Leader, regarding OSD BRAC Clearinghouse Tasker C0682. While this Tasker covers Kansas (KS), Lone Star (LS), Mississippi (MS), and Riverbank (RB) Army Ammunition Plants, the following response is restricted to only Riverbank.

- 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.*

DoD 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.

Our Response: While it is correct to say that the Government owns the land, buildings, equipment and TDP, it is only half the story. Even DoD acknowledges that the operating contractor establishes their own processes to meet the TDP supplied by the government for an end item performance and acceptance requirements. It is not the TDP that determines the success of the manufacturing operation for the product, but the Manufacturing Data Process (MDP), which contains the Process Control Document and Standard

late 1960s to early 1970s the government tried unsuccessfully to establish another source, Bayfield Industries, to manufacture 105mm M148A1B1 cartridge cases.

NI, the operating contractor at Riverbank, with its own unique MDP remains the only US producer of large caliber steel cartridge cases that has the proven manufacturing process to repeatedly produce consistent quality cartridge cases in quantities that meet the requirements of the Joint Armed Forces.

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?*

DoD 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 JCSG reviewed the contract expiration dates and captured contract termination cost in the COBRA run when appropriate.*

Our Response: *Currently, there is not another GOCO or GOGO that is capable of manufacturing large caliber deep drawn steel cartridge cases for the Armed Forces, particularly the Navy and the Army. Further, key NI personnel who are highly trained and skilled may not make the transition to another contractor and a new location. The Government would assume significant risk and cost in ensuring continuous supply of high quality steel cases used in the ammunition for the Stryker and the Navy programs if it*

DoD Response: The BRAC recommendations do direct workload to specific installations:

- *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, IO 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.*

Our Response: Since, as stated above, NI is the only contractor in the industrial base with proven experience in the manufacture of large caliber deep drawn cases and mass production of M42/M46/M77 grenade bodies, it would seem prudent to engage NI's services to manufacture these products. NI has been the sole operating contractor at Riverbank Army Ammunition

DoD 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 105MM and 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.*

Our Response: DoD's rationale applies to situations with two or more GOCOs with multiple contractors producing the same end item. DoD stated above that "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 rationale does not apply to Riverbank since Riverbank is the only source capable of producing large caliber steel cartridge cases, and Rock Island Arsenal currently does not have this manufacturing capability.

Furthermore, as reported in the GOCO/GOGO Plant Capacity and Utilization Study for Riverbank AAP dated 27 April 2005, NI is the only contractor within the industrial base that has the technological capabilities to mass

- *This situation lends itself to increasing future workload and capacity for Rock Island and the contractor that wins the bid.*

Our Response: While Rock Island Arsenal may have a multitude of capabilities in forgings, castings, weldments, and fabrication, the facility does not possess the capability to manufacture deep drawn steel cartridge cases. Should the recommendation be sustained, however, given NI's unique deep drawn capabilities, it would be best to mitigate the supply chain risks and utilize NI as the "turn-key" contractor to relocate the capability as well as operate the facility. The public/private partnership would have to be structured in a way that protects the contractor's intellectual property developed by internal corporate funding and does not increase product unit costs.

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?*

DoD Response:

- *There is no assumption that the operating contractor of the closing site will automatically go to the gaining installation.*
- *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:*

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?*

DoD Response:

- *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.*

Our Response: In order to determine real savings by closing Riverbank and relocating the capability at Rock Island, DoD should have addressed the cost of establishing and operating the line at Rock Island. Otherwise, the aggressive payback projected by DoD is being based on incomplete and optimistic figures.

8. No Comment
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?*

DoD Response:

Riverbank: \$15M

- *Drawing Presses*
- *Heat treat*

to move the facility is the proveout effort to be considered for the new facility to ensure that the new line is capable of meeting the TDPs. Certain annealing furnaces on the cartridge case line may not survive the move because of their age. However, left in place, these furnaces can continue to support the cartridge case manufacture because of NI's internal personnel's familiarity with the maintenance of these equipment pieces.

Based on vendor-documented data submitted in our testimony, we estimate that the one-time cost to locate the cartridge case facility from Riverbank to Rock Island is likely to exceed \$57M when the project is complete.

10. No comment.

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

DoD Response:

Riverbank: 5%

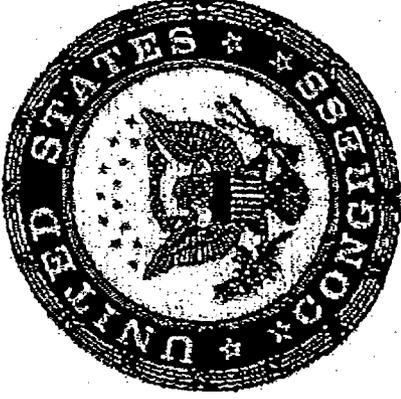
Our Response: Maximum Capacity in the Capacity Report for munitions manufacturing as defined in Volume VIII of the BRAC Report is based on a total monthly output attainable running a 1-8-5 shift. Using DoD's actual and projected production quantity for FY 2001-2006, Riverbank's utilization of the cartridge case production line should be 30%, exceeding 5%.

Furthermore, the report assumed that a cartridge case unit is equivalent to a grenade unit where the monthly capacity of the laid away grenade line at Riverbank is rated at over one million units a month. It must be kept in mind that the utilization level at Riverbank is dictated by DoD's current large caliber steel cartridge case requirements. The Army received appropriated funds to move the manufacturing facilities and "know how" from the private sector to Riverbank and the line was sized to meet current military requirements. NI has supplied all the deep drawn steel cartridge cases to meet the government's requirements. Unless the cartridge case requirements

2) Believe that to Mexico national security
by supposedly saying they is not a wise thing
we must stop all bars closers, especially
when we know that our enemies of Communism
what dependent China & Russia are building
up a well machine waiting to challenge & it not
dominate the last Nation of Freedom, the USA.
I believe our Constitution is at Risk of being
Approved into a characteristic. However you owe it
to the American People to recommend to the Congress
closers & that it ~~Be~~ Be Done immediately to
stop & protect this Great Nation of USA.

Signed
FRANK F. CARROLL

San Mateo Co. Wash.



Representative George Radanovich
438 Cannon House Office Building
Washington, DC 20515
(202) 225-4540
Fax (202) 225-3402
radanovich.house.gov

To: Dore Van Sun From: Rep. Radanovich

Fax: _____ Pages: _____

Phone: _____ Date: _____

Re: _____ CC: _____

Urgent For Review Please Comment Please Reply

•Comments: _____

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



AMMUNITION PLANT

YEAR	PLANNED LENGTH OF PRODUCTION (include option yrs)	CURRENT OPERATION CONTRACT (include option yrs)	Type
2006		Fac Use Contract - 30 Sep 2006	M14
2006	2002-2007	Fac Use Contract - 30 Sep 2006	M14B1
		Fac Use Contract - 30 Sep 2006	M150
		Fac Use Contract - 30 Sep 2006	M148/150
		Fac Use Contract - 30 Sep 2006	M148
		Fac Use Contract - 30 Sep 2006	M150
		Fac Use Contract - 30 Sep 2006	M148 = Canister
N/A		Fac Use Contract - 30 Sep 2006	M148/150
2006	2003-2010	Fac Use Contract - 30 Sep 2006	
	ONGOING	Fac Use Contract - 30 Sep 2006	
		Fac Use Contract - 30 Sep 2006	M720
		Fac Use Contract - 30 Sep 2006	M720
		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	M722
		Fac Use Contract - 30 Sep 2006	M720
	1985-1992	Fac Use Contract - 30 Sep 2006	
		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
	1981-1992	Fac Use Contract - 30 Sep 2006	
		Fac Use Contract - 30 Sep 2006	M374
		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
		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
	1983-1990	Fac Use Contract - 30 Sep 2006	
		Fac Use Contract - 30 Sep 2006	M42M46
		Fac Use Contract - 30 Sep 2006	M42M46/M77
		Fac Use Contract - 30 Sep 2006	M42M46/M77
		Fac Use Contract - 30 Sep 2006	M42M46/M77
		Fac Use Contract - 30 Sep 2006	M42

SAS ARMY AMMUNITION PLANT

	LAST YEAR OF PRODUCTION	NEXT YEAR OF PLANNED PRODUCTION	PLANNED LENGTH OF PRODUCTION (include option yrs)	CURRENT OPERATION CONTRACT (include option yrs)
	1987	NA	NA	NA
	1998	NA	NA	NA
	2005	2006	Aug-06	Fac Use Contract - 30 Sep 2006
	2005	2006	2006 schedules still being worked	Fac Use Contract - 30 Sep 2006
	1980	NA	NA	NA
	NA	NA	NA	NA
	1996	NA	NA	NA
elow)				
	1998	NA	NA	NA
	2005	2006	2006	In negotiating out year contract
Weapon	2005			future work possible

R ARMY AMMUNITION PLANT

	NEXT YEAR OF PLANNED PRODUCTION	PLANNED LENGTH OF PRODUCTION (include option yrs)	CURRENT OPERATION CONTRACT (include option yrs)
005	2006		Fac Use contract - 30 Sep 2006
004	2006 (M864 Recap)	Thru 2010	Fac Use contract - 30 Sep 2006
over	None	None	Fac Use contract - 30 Sep 2006
980	None	None	Fac Use contract - 30 Sep 2006
004	None	None	Fac Use contract - 30 Sep 2006
004	None	None	Fac Use contract - 30 Sep 2006
005	2006	Thru 2010	Fac Use contract - 30 Sep 2006
005	2006 (Sale to Brits)	Thru 2009	Fac Use contract - 30 Sep 2006
005	2006	Thru 2010	Fac Use contract - 30 Sep 2006
005	2006	Thru 2010	Fac Use contract - 30 Sep 2006
005	2006	Thru 2009	Fac Use contract - 30 Sep 2006

ARMY AMMUNITION PLANT

R ON	NEXT YEAR OF PLANNED PRODUCTION	PLANNED LENGTH OF PRODUCTION (include option yrs)	CURRENT OPERATION CONTRACT (include option yrs)
90	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

Cost to Date	MMRP Cost to Complete	TOTAL	DERA & MMRP info.; <i>FY03 rpt;</i> <i>Revised CTC data from Clearinghouse responses</i>
0	0	0	DERA has spent \$0.752M through FY03, <u>RC</u>
0	0	0	<u>RC</u>
16.78M	0	146.78M	DERA has spent \$83.453M through FY03, <u>NPL, fact sheets, \$146,783,000 from CH Question</u>
0	0	0	DERA has spent \$7.89M through FY03, <u>RC \$0 CTC</u>
1.20M	0	1.20M	DERA has spent \$12.5M through FY03, indicates there are ranges, no cost is given, no info on number of ranges, <u>RC</u>
1.42M	0	1.42M	DERA has spent \$9.232M through FY03, <u>RC</u>
0	0	0	DERA has spent \$2.095M through FY03, <u>RC</u>
5.20M	0	25.20M	DERA has spent \$67.364M through FY03, indicates this decision would require the closure of two ranges, no cost is given, <u>NPL, fact sheets, FY2028</u>
3.62M	0	3.62M	DERA has spent \$41,863M through FY03
0.07M	0	0.07M	DERA has spent \$2.062M through FY03
8.29M	0	\$178.29M	

Environmental Restoration Cost for the 33 Major Proposed Closures

Cost to Date	MMRP Cost to Complete	TOTAL	DERA & MMRP info.; <i>FY03 rpt;</i> <i>Revised CTC data from Clearinghouse responses</i>
10.73M	0.87M	11.60M	DERA has spent \$50.2M through FY03; no MMRA; no operational ranges, <i>NPL, fact sheets, FY2017</i>
18.63M	0	18.63M	DERA has spent \$27.1M through FY03; 11 operational ranges, <i>\$8.8M - \$21.4M, FY2026</i>
0.12M	8.78M	8.90M	DERA has spent \$11.1M through FY03; 4 operational ranges, 2 small arms ranges, <i>\$3.08M – \$29.3M</i>
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.
33.39M	0	33.39M	DERA has spent \$30.7M through FY03; 5 operational ranges, 2 small arms ranges, <i>\$4.7M – \$46.6M, FY2011</i>
0	13.30M	13.30M	Completed IRP, no DERA; no operational ranges; <i>RC</i>
2.3M	0	2.30M	DERA has spent \$0 through FY03; indicates they have MMRA, no operational ranges
1.59M	361.65M	383.24M	DERA IRP CTC \$21.079, has spent \$28.5M through FY03; 16 operational ranges, <i>\$29.2M - \$324.8M, FY2032</i>
3.13M	0	3.13M	DERA has spent \$11M through FY03; 11 operational ranges, <i>\$15.3M - \$110M; fact sheet, FY2017</i>

Environmental Restoration Cost for the 33 Major Proposed Closures

Cost to Date	MMRP Cost to Complete	TOTAL	DERA & MMRP info.; <u>FY03 rpt</u>; <u>Revised CTC data from Clearinghouse responses</u>
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, <u>NPL, fact sheets, FY2023</u>
2.66M	0	2.66M	DERA has spent \$21.3M through FY03; 3 operational ranges, \$1.002M - \$24.17M <u>NPL, fact sheets, FY2012</u>
35.72M	26.84M	62.56M	DERA has spent \$17.9 M through FY03; 8 operational ranges; and 2 small arms ranges, \$6.4M - \$73.9M, IRP CTC \$35.718M, MMRP CTC \$26.838M, fact sheets, FY2032
6.46M	59.64M	66.10M	DERA has spent \$23.3M; UXO, chemical weapons, bldg decon, OB/OD range cleanup cost \$1.04M - \$4.98M, MMRP CTC \$59.64M, FY2032
0	0	0	no DERA; no operational ranges; MMRP includes UXO in Moat; \$0 spent through FY03, <u>RC</u>
5.04.M	\$472.38M	\$617.42M	

Environmental Restoration Cost for the 33 Major Proposed Closures

Cost to delete	MMRP Cost to Complete	TOTAL	DERA & MMRP info.; <u>FY03 rpt;</u> <u>Revised CTC data from Clearinghouse</u> <u>responses</u>
40.13M	32.99M	73.12M	DERA has spent \$54.9M through FY03, <u>NPL, fact sheets, FY2017</u>
0	0	0	DERA has spent \$0 through FY03, <u>RC</u>
23.95M	0	23.95M	DERA has spent \$56.5M through FY03; no MMRP reported, <u>NPL, fact sheets,</u> <u>FY2020</u>
0	0	0	DERA has spent \$0 through FY03, <u>RC</u>
0	0	0	DERA has spent \$0.3M through FY03, indicates no DERA program, <u>RC</u>
46.55M	0.58M	47.13M	DERA has spent \$46.8M through FY03, <u>NPL, fact sheets, FY2016</u>
0	0	0	No DERA cost, <u>RC</u>
10.31M	0	10.31M	DERA has spent \$6.3M through FY03, <u>fact sheet, FY2023</u>
0	0	0	DERA has spent \$0 through FY03, <u>RC</u>
\$120.94	\$33.57M	\$154.51M	

33 closures = \$950.22M

\$95.52M to \$1,075.48M this is in addition to the above costs.

1 Account; MMRP – Military Munitions Response Program; NPL – National Priorities List; RC -
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

LONE STAR AAP

Products Produced by Installation	Largest Annual Rqmt Thru 2025 (total for commodity)
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

MISSISSIPPI AAP

Products Produced by Installation	Largest Annual Rqmt Thru 2025 (total for commodity)
155MM ICM ARTILLERY (MP)	13,239.58

RIVERBANK AAP

Products Produced by Installation	Largest Annual Rqmt Thru 2025 (total for commodity)
105MM HE/ICM ARTILLERY (MP)	

ents, we will retain capability at McAlester for unanticipated requirements
aterialize from the commercial sector.

ditional information be required, feel free to contact me at 703-560-4317 or e-
jberry@gallows.vacoxmail.com



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,

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 IslandKansas:
 - 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 CraneRiverbank:
 - Deep Drawn cartridge Case and Cargo Grenade Metal Parts to Rock IslandLone 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

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:

- 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.
- This situation lends itself to increasing future workload and capacity for Rock Island and the contractor that wins the bid.

- 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?*

- 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: 50

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



Jay Berry

Executive Secretary

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2
 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

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:

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

ORIGINAL

ALT COBRA using
 NI Industries supplied Data.
 (1-Time moving Costs)

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2
 Data As Of 7/8/2005 9:29:47 AM, Report Created 7/8/2005 9:55:34 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\IND 0112 Close Riverbank 05072005 Brac Alt 1
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\BRAC2005.SFF

Starting Year : 2006
 Final Year : 2011
 Payback Year : 2021 (10 Years)

NPV in 2025(\$K): -16,024
 1-Time Cost(\$K): 57,302

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	590	567	-3,629	-3,769	-4,987	-11,108	-5,776
Moving	0	0	0	35	0	0	35	0
Missio	0	0	0	0	0	0	0	0
Other	0	45,218	2,500	2,600	2,500	3,800	56,618	0
TOTAL	120	45,808	3,067	-1,003	-1,535	-1,453	45,004	-6,042

POSITIONS ELIMINATED

	2006	2007	2008	2009	2010	2011	Total
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

	2006	2007	2008	2009	2010	2011	Total
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:

ALT Scenario - with Data provided by NI Industries

Close Riverbank Army Ammunition Plant, CA. Relocate the artillery cartridge case metal part fabrication L.

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 2/2
 Data As Of 7/8/2005 9:29:47 AM, Report Created 7/8/2005 9:55:34 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\IND 0112 Close Riverbank 05072005 Brac Alt 1
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\BRAC2005.SFF

Costs in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	-----	-----
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	124	0	0	124	0
Overhd	2,763	3,233	3,210	3,320	3,180	3,171	18,877	3,142
Moving	0	0	0	35	0	0	35	0
Missio	0	0	0	0	0	0	0	0
Other	0	45,218	2,500	2,600	2,500	3,800	56,618	0
TOTAL	2,763	48,451	5,710	6,079	5,680	6,971	75,654	3,142

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

TOTAL COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 1/3
 Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Bra
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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	54,168,000	
Total - Other		56,618,000
-----		-----
Total One-Time Costs		57,301,829
-----		-----

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br:
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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	13,774,000	
Total - Other		15,074,000
-----		-----
Total One-Time Costs		15,757,829

COBRA ONE-TIME COST REPORT (COBRA v6.10) - Page 3/3
 Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br:
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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	40,394,000	
Total - Other		41,544,000

Total One-Time Costs		41,544,000

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 1/9
 Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br:
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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	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

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 2/9
 Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Bra
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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	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	3,142	3,142	3,142	3,142	3,142	18,352	3,142
TOTAL RECUR	2,642	3,142	3,142	3,142	3,142	3,142	18,352	3,142
 TOTAL COST	 2,763	 48,451	 5,710	 6,079	 5,680	 6,971	 75,654	 3,142
 ONE-TIME SAVES								
----(\$K)----	2006	2007	2008	2009	2010	2011	Total	
-----	----	----	----	----	----	----	-----	-----
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
1-Time Move	0	0	0	0	0	0	0	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
Environmental	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	0	0	0	0	0	
 RECURRINGSAVES								
----(\$K)----	2006	2007	2008	2009	2010	2011	Total	Beyond
-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS								
	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	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	1,208	1,208

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 3/9
 Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Bra
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\BRAC2005.SFF

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	44,068	2,500	2,600	2,500	2,500	54,168	
TOTAL ONE-TIME	121	45,309	2,568	2,937	2,538	3,829	54,852	
RECURRING NET								
-----(\$K)-----	----	----	----	----	----	----	-----	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
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	3,142	3,142	3,142	3,142	3,142	18,352	3,142
TOTAL RECUR	-0	499	499	-3,941	-4,074	-5,282	-12,298	-6,042
TOTAL NET COST	120	45,808	3,067	-1,003	-1,535	-1,453	45,004	-6,042

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 4/9
 Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\BRAC2005.SFF

Base: RIVERBANK AAP, CA (06742)

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	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

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 5/9
 Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Bra
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\BRAC2005.SFF

Base: RIVERBANK AAP, CA (06742)

RECURRINGCOSTS	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	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	16,407	2,710	3,079	2,680	3,971	31,610	2,642

ONE-TIME SAVES	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
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	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS								
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	15,852	2,642

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 6/9
 Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br:
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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	13,674	0	100	0	0	13,774	
TOTAL ONE-TIME	121	13,765	68	437	38	1,329	15,758	
RECURRING NET								
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS								
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	13,764	67	-4,003	-4,535	-4,453	960	-6,542

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 7/9
 Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Bra
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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 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

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 9/9
 Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br:
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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	30,394	2,500	2,500	2,500	2,500	40,394	
TOTAL ONE-TIME	0	31,544	2,500	2,500	2,500	2,500	41,544	
RECURRING NET	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS								
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	500	500	500	500	500	2,500	500
TOTAL RECUR	0	500	500	500	500	500	2,500	500
TOTAL NET COST	0	32,044	3,000	3,000	3,000	3,000	44,044	500

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10)
 Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\BRAC2005.SFF

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

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10) - Page 2

Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial

Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Bra

Option Pkg Name: IND 0112 Close Riverbank AAP- Alt

Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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 MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)
Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Bra
Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br:
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\BRAC2005.SFF

Year	Cost(\$)	Adjusted Cost(\$)	NPV(\$)
----	-----	-----	-----
2006	120,406	118,754	118,754
2007	45,808,192	43,949,454	44,068,208
2008	3,067,532	2,862,901	46,931,110
2009	-1,003,327	-910,891	46,020,218
2010	-1,535,517	-1,356,081	44,664,138
2011	-1,453,139	-1,248,375	43,415,763
2012	-6,041,852	-5,049,110	38,366,652
2013	-6,041,852	-4,911,586	33,455,067
2014	-6,041,852	-4,777,807	28,677,259
2015	-6,041,852	-4,647,672	24,029,587
2016	-6,041,852	-4,521,082	19,508,505
2017	-6,041,852	-4,397,940	15,110,565
2018	-6,041,852	-4,278,152	10,832,413
2019	-6,041,852	-4,161,626	6,670,787
2020	-6,041,852	-4,048,274	2,622,513
2021	-6,041,852	-3,938,010	-1,315,497
2022	-6,041,852	-3,830,749	-5,146,246
2023	-6,041,852	-3,726,410	-8,872,656
2024	-6,041,852	-3,624,912	-12,497,568
2025	-6,041,852	-3,526,179	-16,023,747

TOTAL COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 1/3
 Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Bra
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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 : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br:
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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 : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br:
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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 RETIREMENTS		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 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br:
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

Department : Industrial
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 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\BRAC2005.SFF

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
-----	-----	-----	-----

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br:
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\BRAC2005.SFF

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
-----	-----	-----	-----

COBRA INPUT DATA REPORT (COBRA v6.10)
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Department : Industrial
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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 : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br:
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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	13,674	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

Department : Industrial
 Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br
 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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	30,394	2,500	2,500	2,500	2,500
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	500	500	500	500	500
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)

COBRA INPUT DATA REPORT (COBRA v6.10) - Page 4

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Department : Industrial
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 Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
 Std Fctrs File : C:\Documents and Settings\obornj\My Documents\COBRA 6.10 April 21 2005\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(\$):	10,177.77

Department : Industrial
Scenario File : C:\Documents and Settings\obornj\My Documents\ALT COBRA\Indus\151 Alt\IND 0112 Close Riverbank 05072005 Br:
Option Pkg Name: IND 0112 Close Riverbank AAP- Alt
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FOOTNOTES FOR SCREEN ONE
=====

ALT Scenario - with Data provided by NI Industries

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

FOOTNOTES FOR SCREEN FIVE
=====

Data supplied by NI Industries that detail movement and relocation costs.

RIVERBANK:

FY 07 \$13,674k: Cost associated with relocation of designated existing equipment from RBAAP to RIA

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

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 \$40,893k: (1.a.) \$16,813k Cost associated with acquisition of replacement equipment at RIA that pertains to equipment that cannot be relocated due to age, condition and/or structural limitation. (1.b.) \$24,081k Includes (1.b.1.) \$11,581K Cost associated with retrofitting/refurbishing/upgrading relocated equipment and construction of pits, foundations and pads at RIA; (1.b.2.) \$10,000k associated with make ready and proveout at RIA, evenly distributed over the years 2008-2011; (1.b.3.) \$2,000k associated with refurbishing buildings at RIA; (1.b.4.) \$2,500k associated with engineering and program management at RIA, evenly distributed over the years 2007-2011.

COBRA ECONOMIC IMPACT REPORT (COBRA v6.10)

Data As Of 7/8/2005 9:57:15 AM, Report Created 7/8/2005 10:04:11 AM

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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

Delgado, George, CIV, WSO-BRAC

From: Dinsick, Robert, CIV, WSO-BRAC
Sent: Friday, July 01, 2005 7:25 AM
To: Delgado, George, CIV, WSO-BRAC
Cc: Van Saun, David, CIV, WSO-BRAC; Bieri, Elizabeth, CIV, WSO-BRAC
Subject: FW: NI Relocation Cost Estimate

Importance: High

Attachments: RBAAP Submittal to BRAC Commission 06302005.pdf



RBAAP Submittal to
BRAC Commiss...

George,

Here is the data for the Riverbank COBRA rerun per our meeting. Talk it over w/ Dave but I suggest we get Karl Gingrich to do this for us. I think we know how it will turn out but for analysis sake we should do it.

R.Gary Dinsick
Army Team Chief
Base Realignment and Closure Commission
2521 Clark Street, Suite 600
Arlington, VA 22202
(703) 699-2950

From: Winnie Wu [mailto:winniewu@niindustries.com]
Sent: Thursday, June 30, 2005 10:25 PM
To: robert.dinsick@wso.whs.mil
Subject: NI Relocation Cost Estimate
Importance: High

Winnie Wu

winniewu@niindustries.com

General Manager

NI Industries, Inc.

5300 Claus Road

P. O. Box 856

Riverbank, CA 95367

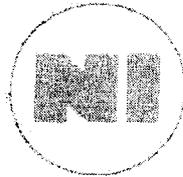
Office: 209.869.7215

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NI INDUSTRIES, INC.

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RIVERBANK ARMY AMMUNITION PLANT
a TriMas Company

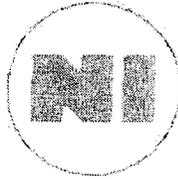
June 30, 2005

This report, prepared by NI Industries, Inc. (NI), operating contractor of the Riverbank Army Ammunition Plant (RBAAP) since 1951, itemizes the scope and a cost estimate for relocating the Flexible Cartridge Case Manufacturing Facility to the Rock Island Arsenal (RIA). Third party budgetary quotations have not been obtained due to the magnitude of the activity and the extremely short time frame. The itemized Rough Order of Magnitude cost estimates and recommendations contained herein are based on NI's experience with operation and maintenance of this equipment; design, acquisition and installation of new equipment; and recent relocation of similar equipment from various other facilities to RBAAP. The RBAAP Flexible Cartridge Case Manufacturing Facility was designed to accommodate up to the Navy 5 inch case. Research and Development quantities of the Navy 155mm AGS case have been possible with temporary equipment modifications. However, production contract quantities of the 155mm AGS case will require additional equipment enhancements and augmentation.

NI Industries, Inc. has estimated the cost to relocate the Flexible Cartridge Case Manufacturing Facility as follows:

Cost Assumptions:

- Cost estimates have not been included for required major utility infrastructure and regulatory requirements at RIA



NI INDUSTRIES, INC.

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RIVERBANK ARMY AMMUNITION PLANT
a TriMas Company

COBRA Analysis Inputs:

- 1-Time cost associated with relocation of designated existing equipment from RBAAP to RIA is \$13,674K.
- 1-Time cost associated with acquisition of replacement equipment at RIA is \$16,813K. This pertains to equipment that cannot be relocated due to age, condition and/or structural limitation.
- 1-Time cost associated with retrofitting/refurbishing/upgrading relocated equipment and construction of pits, foundations and pads at RIA is \$11,581K.
- 1-Time cost associated with make ready and proveout at RIA is \$10,000K, evenly distributed over the years 2008 through 2011.
- 1-Time cost associated with refurbishing buildings at RIA is \$2,000K. This cost was included by DoD in its analysis.
- 1-Time cost associated with engineering and program management at RIA is \$2,500K, evenly distributed over the years 2006 through 2011.

COBRA Analysis Category	Site	Description	Cost (Thousands)
OTHER 1-Time Other	RBAAP	Relocation of Existing Equipment	\$13,674
OTHER 1-Time Other	RIA		\$40,394
		Acquisition of New Equipment	\$16,813

Relocation Cost Estimate RBAAP to RIA

June 30, 2005

Eq No.	Equipment	Condition	Relocate and Upgrade	Description of Estimate	RBAAP 1-Time Cost	RIA 1-Time New Eq	RIA 1-Time Cost
1	American Plate Wheelabrator	Good. Needs electrical upgrades.	\$1,250,000	Includes move cost. Upgrade electrical components.	\$1,062,500		\$187,500
	American Plate Wheelabrator Pit		\$187,500		\$0		\$187,500
2	Swindell-Dressler Box Furnaces	Good. Requires manual, 24-hour supervised operation to control temperature uniformly throughout the load. This could be compensated by upgrading with automated control system. Requires 30-ton crane for movement of furnace and inner covers.	\$1,875,000	Purchase and install new carbottom furnace.		\$1,875,000	
3	6-foot, 1.25-inch Cincinnati Shear	Floor. Clutch assembly in poor shape, in need of complete rebuild.	\$218,750	Includes move cost. Upgrade material handling system.	\$62,500		\$156,250
	6-foot, 1.25-inch		\$46,875		\$46,875		

Relocation Cost Estimate RBAAP to RIA

June 30, 2005

Eq No.	Equipment	Condition	Relocate and Upgrade	Description of Estimate	RBAAP I-Time Cost	RIA I-Time New Eq	RIA I-Time Cost
4	1000-ton Clearing Press	Fair.	\$531,250	Includes move cost. Upgrade clutch and brake assembly, cushion cylinders and shunt height assembly.	\$500,000		\$31,250
	1000-ton Clearing Press Pit		\$93,750		\$93,750		\$0
5	2000-ton National Press	Fair.	\$687,500	Requires upgrade of controls, including automatic operation, and safeguards.	\$500,000		\$187,500
	2000-ton National Press Pit		\$125,000		\$93,750		\$31,250
6	20,000-lb/hr Surface	Poor. Burners are in	\$6,875,000	Purchase and install			

Eq No.	Equipment	Condition	Relocate and Upgrade	Description of Estimate	RBAAP 1-Time Cost	RIA 1-Time New Eq	RIA 1-Time Cost
7	LeFort Phosphate Coating Machine	Poor. Sulfuric Acid Tank, Zinc Phosphate Tank, their heat exchangers and pumps are new. The other tanks and the entire tunnel are severely corroded and in very poor condition. The drive system, heat exchangers, pumps, manifolds, scrubber and exhaust system are in poor condition. All roller bearings and seals need replacement.	\$4,062,500	Purchase and install new Phosphate Coating Machine.		\$4,062,500	
	Containment and Foundation Pit for Roller Hearth Furnace and Phosphate Coating Machine		\$468,750		\$0		\$468,750
8	700-ton Lake Erie Press	Good	\$500,000		\$500,000		\$0
9	700-ton Lake Erie Press	Good. Needs electrical upgrades.	\$562,500		\$562,500		\$0
10	600-ton Lake Erie Press	Good. Needs new heat exchanger	\$500,000		\$500,000		\$0

Relocation Cost Estimate RBAAP to RIA

June 30, 2005

Eq No.	Equipment	Condition	Relocate and Upgrade	Description of Estimate	RBAAP 1-Time Cost	RIA 1-Time New Eq	RIA 1-Time Cost
16	100-ton Lake Erie Press	Good	\$375,000		\$375,000		\$0
17	100-ton Lake Erie Press	Good	\$375,000		\$375,000		\$0
18	250-ton Williams & White Press	Good	\$375,000		\$375,000		\$0
19	3500-ton Lake Erie Press	Good	\$1,000,000	Includes move cost. Upgrade electronic controls.	\$937,500		\$62,500
20	4500-ton Lake Erie Press	Good	\$1,000,000	Includes move cost. Upgrade electronic controls.	\$937,500		\$62,500
	Recondition All Lake Erie Presses		\$4,125,000		\$0		\$4,125,000
	Pits for 100-ton through 4500-ton Hydraulic Presses		\$2,125,000		\$0		\$2,125,000

Eq No.	Equipment	Condition	Relocate and Upgrade	Description of Estimate	RBAAP 1-Time Cost	RIA 1-Time New Eq	RIA 1-Time Cost
22	New Britain Lathe, 695E (5 each), 175 (3 each), 155CD (3 each)	Poor. These lathes have produced several million parts. All 11 lathes need to be completely rebuilt. Some replacement parts are no longer available.	\$3,750,000	Purchase and install (4 each) CNC Lathe with automated material handling system. Four (4) CNC Lathes will replace the capability of all 11 New Britain Lathes.		\$3,750,000	
23	Cincinnati Milacron CNC Lathe (2 each)	Good	\$62,500		\$62,500		\$0
	Isolation Pads for Lathes		\$225,000		\$0		\$225,000
24	CJI Heat Treat Furnace and Surface Preparation Unit	Good. Air emission scrubber is inadequate. Exhaust capture system is inadequate. Structural components exposed to salt vapors need to be sandblasted and recoated. Access to process tanks and components for maintenance is very limited.	\$4,062,500	Includes move cost. Modify structure to accommodate 155mm AGS Cartridge Case. Purchase and install new air emission capture and control system.	\$1,875,000		\$2,187,500
	Containment and Foundation Pit for Heat Treat Furnace and Surface Preparation Unit		\$250,000		\$0		\$250,000

Eq No.	Equipment	Condition	Relocate and Upgrade	Description of Estimate	RBAAP 1-Time Cost	RIA 1-Time New Eq	RIA 1-Time Cost
26	5700 lb/hr Clayton Steam Generator (2 each)	Good	\$46,250	Includes move cost. Rebuild pumps and upgrade system.	\$27,500		\$18,750
27	Lefort Parts Washer (2 each)	Fair. One washer needs steam plate coils and new pumps installed.	\$93,750	Includes move cost. Purchase and install new plate coils, pumps and controllers.	\$62,500		\$31,250
	Material Handling System for Parts Washers	Fair	\$406,250	Includes move cost. Replace bearings and drive unit components.	\$250,000		\$156,250
	Containment Trench for Parts Washers		\$37,500		\$0		\$37,500
28	Induction Anneal (M)	Fair	\$18,750		\$18,750		\$0
29	Induction Anneal (F,P)	Fair	\$75,000		\$75,000		\$0
30	Chiller (2 each), Cooling Tower (3 each)	Good	\$87,500		\$87,500		\$0
31	Miscellaneous Small Machinery	Good	\$187,500		\$187,500		\$0

Eq No.	Equipment	Condition	Relocate and Upgrade	Description of Estimate	RBAAP 1-Time Cost	RIA 1-Time New Eq	RIA 1-Time Cost
36	Make Ready and Prove Out		\$10,000,000				\$10,000,000 ✓
	Subtotal		\$52,068,125		\$13,674,375	\$16,812,500	\$21,581,250
37	Engineering and Project Management		\$2,500,000				\$2,500,000 ✓
			\$54,568,125		\$13,674,375 ✓	\$16,812,500 ✓	\$24,081,250

Cost Assumptions:

Cost estimates have not been included for required major utility infrastructure and regulatory requirements at RIA

Equipment foundation estimates are based on soil conditions at RBAAP

Due to age and configuration of some equipment, special consideration is given to replacement instead of relocating

Material handling cost reflects the current method at RBAAP

Installation of equipment at RIA facility does not require structural modification to any buildings

The quantities of electrical power, natural gas and water currently available at RBAAP will be available at RIA

Cost estimates have not been included for protecting equipment and product from severe atmospheric conditions.

Cost estimates to treat industrial effluent at RIA is not included

COBRA Analysis Inputs:

1-Time cost associated with relocation of designated existing equipment from RBAAP to RIA is \$13,674K.

1-Time cost associated with acquisition of replacement equipment at RIA is \$16,813K. This pertains to equipment that cannot be relocated due to age, condition and/or structural limitation.

1-Time cost associated with retrofitting/refurbishing/upgrading relocated equipment and construction of pits, foundations and pads at RIA is \$11,581K.

1-Time cost associated with make ready and proveout at RIA is \$10,000K, evenly distributed over the years 2008 through 2011.

1-Time cost associated with refurbishing buildings at RIA is \$2,000K. This cost was included by DoD in its analysis.

1-Time cost associated with engineering and program management at RIA is \$2,500K, evenly distributed over the years 2006 through 2011.

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)

Relocating existing equip. '07
Shut off utilities in '09

mil / NI
15,000 / 13,674
100 / 0

INDUSTRIAL JOINT CROSS SERVICE GROUP

July 13, 2005

MEMORANDUM FOR FRANK CIRILLO, DIRECTOR REVIEW AND ANALYSIS

Subject: NI Industries at Riverbank Army Ammunition Plant , OSD BRAC
Clearinghouse #C0499

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

QUESTION: NI Industries at Riverbank Army Ammunition Plant is the only producer of large caliber deep-drawn cartridge cases in the United States. Shouldn't this fact exempt Riverbank from consideration for closure? If not, why not?

Answer: Our analysis did not automatically eliminate any installation using unique capability as a rationale. Every site was on the table for analysis. When a site had a unique capability, we considered the following:

- What is the impact of the closure/relocation to the war-fighter and how heavily is this site supporting the current conflict?
 - Response: We can mitigate impacts of deep drawn cartridge cases with stockpiling.

-
- How many other munitions functions are performed at this site (Production of other commodities, munitions maintenance, munitions demilitarization, and munitions storage)?
 - Response: None. Riverbank has the capability to produce deep drawn cartridge cases, grenade metal parts, and mortar metal parts; however, Riverbank is only producing deep drawn cartridge case metal parts.

 - What is the sites rate of utilization?
 - Response: Riverbank's rate of utilization is 5 percent.

 - Without facilitization, can private industry perform this work?
 - Response: The answer is no for deep drawn cartridge cases.

 - What is the level of risk associated with the relocation of deep drawn cartridge cases?
 - Response: With Public Private partnering and stockpiling of cartridge cases the risk is moderate.

 - Are there any other requirements that cannot be met without modernization?

- The ability to surge

Question: *Production of large caliber deep-drawn cartridge cases requires a high level of technician intervention in order to achieve quality consistency from product to product. Was this fact considered as part of the closure scenario?*

Answer: Yes technical skills were considered in the analysis. This is why the outcome considered locating the deep drawn cartridge case at Rock Island. Analysis showed a need for capabilities that would support Public Private Partnering. Rock Island Arsenal provides the following support system:

- Heat treat capability
- Forging capability
- Casting capability
- Annealing capability
- Apprenticeship programs for machinists, electricians, molder/foundry/pattern maker, pipe fitters, tool and die making
- Metal turning
- Press Forming
- Manufacturing skill sets
- Similar workforce
- Non-destructive testing
- Full metal fabrication with press, laser, shear, welding, etc
- Full engineering support with material test lab metallurgist and production support engineers
- Buildings with the height clearance needed for presses
- A totally vertically integrated manufacturing facility that begins with raw material and ends with a finished product

Question: Moreover, what mitigations were contemplated to account for the possibility that Riverbank's expert personnel may not relocate with this mission?

Answer: The contractor that wins the competition will bring a certain percentage of his work force with him. The percent of skilled workforce that will relocate will be supplemented by the following resources from the gaining area:

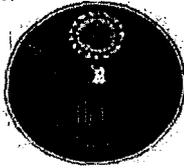
- Apprenticeship program
- Existing skill sets
- Local businesses
 - John Deere
 - International harvester

Question: Finally, how will this move affect weapons systems currently undergoing development, test and evaluation?

Answer: This recommendation considered the 155MM Navy program and 105MM Army Stryker program. Will remove impact to the war—fighter by stockpiling all deep drawn cartridge case requirements (5" 54, 76MM, 105MM and 155MM) for the Army and the Navy.

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

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DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

2521 South Clark Street, Suite 600

Arlington, VA 22202

Telephone: 703-699-2950

MEMORANDUM OF MEETING

DATE: 22 June 2005

TIME: 14:00-15:30

MEETING WITH: NI Industries, Inc (Responsible for operating Riverbank Army Ammunition Plant, CA)

SUBJECT: Recommended closure of Riverbank Army Ammunition Plant

PARTICIPANTS:

John G. Maniatakis: Executive Vice President, NI Industries, Inc. 323- 588-7623

Winifred T. Wu: General Manager, NI Industries, Inc. 209-869-7215

Daniel C. Maldonado: CEO, MARC Associates, Inc. 202-833-0007

Eve O'Toole: Senior VP, MARC Associates, Inc. 202-833-0007

Phil Lighty: Legislative Assistant, Congressman Radanovich 202-225-3402

Commission Staff:

David Van Saun: Joint Cross- Service Lead, Review and Analysis

Gary Dinsick: Army Lead, Review and Analysis

Ashley Buzzell: Associate Analyst, Review and Analysis

Karl Gingric: Senior Cobra Analyst, Review and Analysis

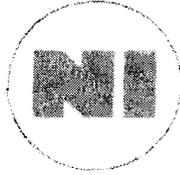
Tyler Oborn: Cobra Analyst, Review and Analysis

MEETING SUMMARY:

Military Value underestimated

- Unique technology
- Deep drawn, large caliber cartridge cases

No Capacity questions



NI INDUSTRIES, INC.

5300 CLAUS ROAD • P.O. BOX 856 • RIVERBANK, CA 95367-0856 • (209) 529-8100 • FAX (209) 869-7285

RIVERBANK ARMY AMMUNITION PLANT
a TriMas Company

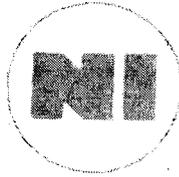
June 30, 2005

This report, prepared by NI Industries, Inc. (NI), operating contractor of the Riverbank Army Ammunition Plant (RBAAP) since 1951, itemizes the scope and a cost estimate for relocating the Flexible Cartridge Case Manufacturing Facility to the Rock Island Arsenal (RIA). Third party budgetary quotations have not been obtained due to the magnitude of the activity and the extremely short time frame. The itemized Rough Order of Magnitude cost estimates and recommendations contained herein are based on NI's experience with operation and maintenance of this equipment; design, acquisition and installation of new equipment; and recent relocation of similar equipment from various other facilities to RBAAP. The RBAAP Flexible Cartridge Case Manufacturing Facility was designed to accommodate up to the Navy 5 inch case. Research and Development quantities of the Navy 155mm AGS case have been possible with temporary equipment modifications. However, production contract quantities of the 155mm AGS case will require additional equipment enhancements and augmentation.

NI Industries, Inc. has estimated the cost to relocate the Flexible Cartridge Case Manufacturing Facility as follows:

Cost Assumptions:

- Cost estimates have not been included for required major utility infrastructure and regulatory requirements at RIA
- Equipment foundation estimates are based on soil conditions at RBAAP



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RIVERBANK ARMY AMMUNITION PLANT
a TriMas Company

COBRA Analysis Inputs:

- 1-Time cost associated with relocation of designated existing equipment from RBAAP to RIA is \$13,674K.
- 1-Time cost associated with acquisition of replacement equipment at RIA is \$16,813K. This pertains to equipment that cannot be relocated due to age, condition and/or structural limitation.
- 1-Time cost associated with retrofitting/refurbishing/upgrading relocated equipment and construction of pits, foundations and pads at RIA is \$11,581K.
- 1-Time cost associated with make ready and proveout at RIA is \$10,000K, evenly distributed over the years 2008 through 2011.
- 1-Time cost associated with refurbishing buildings at RIA is \$2,000K. This cost was included by DoD in its analysis.
- 1-Time cost associated with engineering and program management at RIA is \$2,500K, evenly distributed over the years 2006 through 2011.

COBRA Analysis Category	Site	Description	Cost (Thousands)
OTHER 1-Time Other	RBAAP	Relocation of Existing Equipment	\$13,674
OTHER 1-Time Other	RIA		\$40,394
		Acquisition of New Equipment	\$16,813
		Retrofitting/Pits/Pads	\$11,581

Eq No.	Equipment	Condition	Relocate and Upgrade	Description of Estimate	RBAAP 1-Time Cost	RIA 1-Time New Eq	RIA 1-Time Cost
1	American Plate Wheelabrator	Good. Needs electrical upgrades.	\$1,250,000	Includes move cost. Upgrade electrical components.	\$1,062,500		\$187,500
	American Plate Wheelabrator Pit		\$187,500		\$0		\$187,500
2	Swindell-Dressler Box Furnaces	Good. Requires manual, 24-hour supervised operation to control temperature uniformly throughout the load. This could be compensated by upgrading with automated control system. Requires 30-ton crane for movement of furnace and inner covers.	\$1,875,000	Purchase and install new carbottom furnace.		\$1,875,000	
3	6-foot, 1.25-inch Cincinnati Shear	Poor. Clutch assembly in poor shape, in need of complete rebuild.	\$218,750	Includes move cost. Upgrade material handling system.	\$62,500		\$156,250
	6-foot, 1.25-inch Cincinnati Shear		\$46,875		\$46,875		\$0

Eq No.	Equipment	Condition	Relocate and Upgrade	Description of Estimate	RBAAP 1-Time Cost	RIA 1-Time New Eq	RIA 1-Time Cost
4	1000-ton Clearing Press	Fair.	\$531,250	Includes move cost. Upgrade clutch and brake assembly, cushion cylinders and shunt height assembly.	\$500,000		\$31,250
	1000-ton Clearing Press Pit		\$93,750		\$93,750		\$0
5	2000-ton National Press	Fair.	\$687,500	Requires upgrade of controls, including automatic operation, and safeguards.	\$500,000		\$187,500
	2000-ton National Press Pit		\$125,000		\$93,750		\$31,250
6	20,000-lb/hr Surface Combustion Corn	Poor. Burners are in fair condition and	\$6,875,000	Purchase and install		\$6,875,000	

Eq No.	Equipment	Condition	Relocate and Upgrade	Description of Estimate	RBAAP 1-Time Cost	RIA 1-Time New Eq	RIA 1-Time Cost
7	LeFort Phosphate Coating Machine	Poor. Sulfuric Acid Tank, Zinc Phosphate Tank, their heat exchangers and pumps are new. The other tanks and the entire tunnel are severely corroded and in very poor condition. The drive system, heat exchangers, pumps, manifolds, scrubber and exhaust system are in poor condition. All roller bearings and seals need replacement.	\$4,062,500	Purchase and install new Phosphate Coating Machine.		\$4,062,500	
	Containment and Foundation Pit for Roller Hearth Furnace and Phosphate Coating Machine		\$468,750		\$0		\$468,750
8	700-ton Lake Erie Press	Good	\$500,000		\$500,000		\$0
9	700-ton Lake Erie Press	Good. Needs electrical upgrades.	\$562,500		\$562,500		\$0
10	600-ton Lake Erie Press	Good. Needs new heat exchanger	\$500,000		\$500,000		\$0

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	Recondition All Lake Erie Presses		\$4,125,000		\$0		\$4,125,000
	Pits for 100-ton through 4500-ton Hydraulic Presses		\$2,125,000		\$0		\$2,125,000

Eq No.	Equipment	Condition	Relocate and Upgrade	Description of Estimate	RBAAP 1-Time Cost	RIA 1-Time New Eq	RIA 1-Time Cost
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Relocation Cost Estimate RBAAP to RIA

June 30, 2005

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	Containment Trench for Parts Washers		\$37,500		\$0		\$37,500
28	Induction Anneal (M)	Fair	\$18,750		\$18,750		\$0
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30	Chiller (2 each), Cooling Tower (3 each)	Good	\$87,500		\$87,500		\$0
31	Miscellaneous Small Machinery	Good	\$187,500		\$187,500		\$0

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	Subtotal		\$52,068,125		\$13,674,375	\$16,812,500	\$21,581,250
37	Engineering and Project Management		\$2,500,000				\$2,500,000
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1-Time cost associated with engineering and program management at RIA is \$2,500K, evenly distributed over the years 2006 through 2011.

DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

BASE SUMMARY SHEET

Riverbank Army Ammunition Plant, CA

INSTALLATION MISSION

Riverbank AAP is in the northern San Joaquin Valley, 6 miles northeast of Modesto and 90 miles east of San Francisco. It includes 132 buildings, 19 from the original construction period, and covers 168 acres. Some acreage is currently leased to nonmilitary concerns.

Riverbank AAP was constructed in 1942 and began operation as an aluminum reduction facility in 1943. During World War II, its annual production of aluminum, a critical component for aircraft manufacture, was 96 million pounds. The plant was closed in 1944 as requirements for aircraft declined. During the Korean War it was reopened and converted to an Army ammunition plant for the manufacture of steel cartridge cases. It was the largest shell-casing plant at that time, operated by Norris Industries.

Construction activities and the installation of six production lines were assigned to Bechtel Corp. The site was closed again in 1958 but reopened in 1966 to produce shell and mortar casings and related metal parts for the Vietnam War. It was again operated by Norris Industries in association with Bechtel Corp. It was classified as inactive in 1981. Norris Industries is the current contractor, and the plant is currently producing ammunition casings. Current tenants include American Safety Products and LMC-West.

DOD RECOMMENDATION

- Close Riverbank Army Ammunition Plant, CA. Relocate the artillery cartridge case metal parts functions to Rock Island Arsenal II

MANPOWER IMPLICATIONS OF THIS RECOMMENDATION (EXCLUDES CONTRACTORS)

	<u>Military</u>	<u>Civilian</u>	<u>Students</u>
Baseline			
Reductions	--	4	--
Realignments	--	--	--
Total	--	4	--

MANPOWER IMPLICATIONS OF ALL RECOMMENDATIONS AFFECTING THIS INSTALLATION (INCLUDES ON-BASE CONTRACTORS AND STUDENTS)

	Out		In		Net Gain (Loss)	
	<u>Military</u>	<u>Civilian</u>	<u>Military</u>	<u>Civilian</u>	<u>Military</u>	<u>Civilian</u>
This Recommendation	--	89	--	--	--	(89)
Other Recommendation(s)	--	--	--	--	--	--
Total	--	89	--	--	--	(89)

ENVIRONMENTAL CONSIDERATIONS

- 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 Army Ammunition Plant 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 Army Ammunition Plant to prevent disturbance, health and safety risks, and/or long-term release of toxins to environmental media.
- Riverbank Army Ammunition Plant 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 Arsenal.
- This recommendation has the potential for a minor impact on water resources at Rock Island Arsenal.

REPRESENTATION

Governor: Arnold Schwarzenegger (R)
Senators: Dianne Feinstein (D)
Barbara Boxer (D)

Representative: George P. Radanovich (R)

ECONOMIC IMPACT

- Potential Employment Loss: 106 jobs (89 direct and 17 indirect)
- MSA Job Base: 217,388 jobs
- Percentage: 0.0 percent decrease
- Cumulative Economic Impact (Year-Year): N/A

MILITARY ISSUES

- Only government industrial base facility with unique capabilities to manufacture:
 - the deep drawn, large caliber cartridge cases for the 105mm Stryker Vehicle, 76mm and 5'54 Navy Guns, and the 155mm Advanced Gun System (AGS) for the Navy's DD (X) Program.
 - M42, M46, and M77 cargo grenade bodies – only facility to have successfully made the M77.
 - High fragmentation 60mm/81mm mortars – developed the process and produced a limited quantity

COMMUNITY CONCERNS/ISSUES

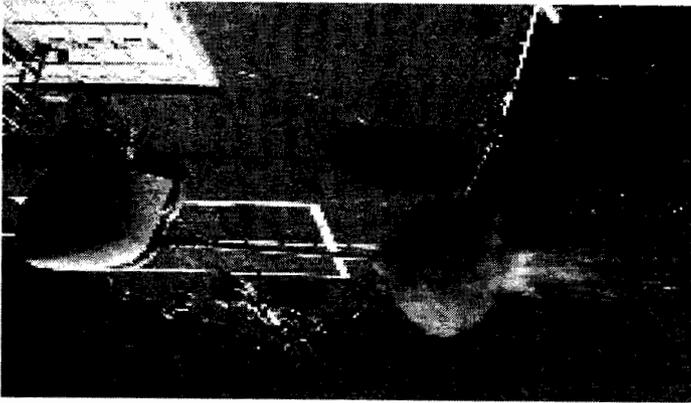
- Unknown

ITEMS OF SPECIAL EMPHASIS

- Is the data contained in the DoD recommendation report accurately portray the nature of your activities?

Ohio

5" gun on board a U.S. Navy ship



U. S. Joint Armed Forces as well as foreign
producer of munitions metal parts in
forces

Army Ammunition Plant

Riverbank Plant

Riverbank, CA on 170 acres with approx.
feet under roof

Facility – Engineering, Production,
Industrial Waste Treatment Plant;
Metallurgical, Metrology Labs, Machine
Room

Large case production facility

Go grenade facility for M42/M46 and
producer for M77)

and skilled workforce

ISO 14001 certified

Development Programs

Guided Munitions

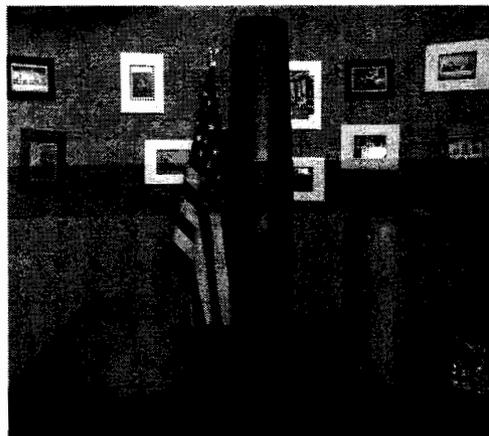
Gun Systems:

General Dynamics, NI developed a
for the deep drawn 155mm

case ever produced

technical expertise worked with
optimal cartridge case design to
at firing

Qualification & Testing Phase



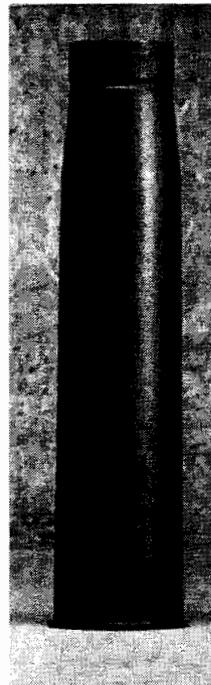
- ❖ Length: 42 inches
- ❖ Weight: 35 lb.
- ❖ Firing range - 100 nautical miles inland
- ❖ 12 round per minute

Development Programs

Blank Cartridge Cases for The Future Combat

is in production: Wall Buster for
Auster for Alliant Techsystems

steel cartridge cases have met
ing requirements
requirements approx. 20K
ed to date



Programs For Joint Services

Cartridge Cases:

produced for 105mm Howitzer Round

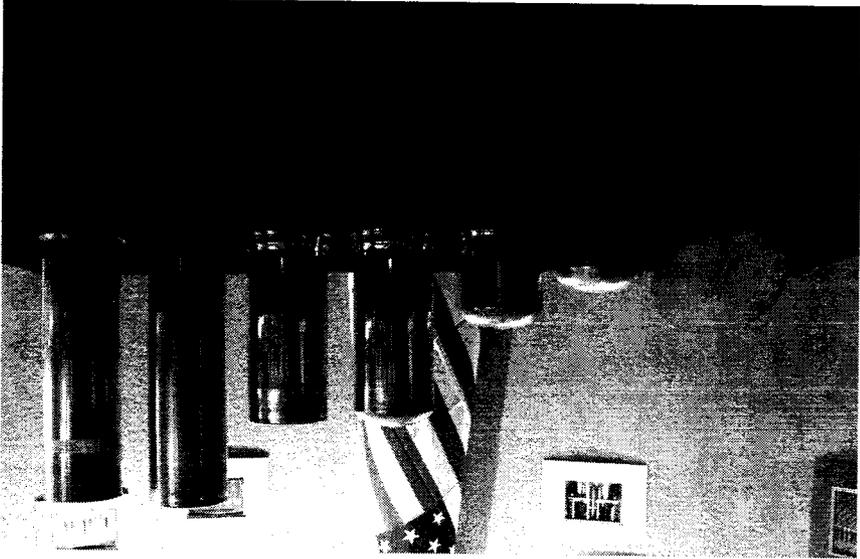
produced since 2001

on cases produced during the Vietnam

produced for 105mm Tank Round

to the Stryker Program, Riverbank is qualified

for other 105mm tank round cartridge cases



ss Cartridge Cases:
ed for Air Force AC-130 Gunship
vered since 2003

Programs For Joint Services

Programs For Joint Services

Cartridge Cases:

Contract to produce 5,700 cases;
Awarded in July 2005

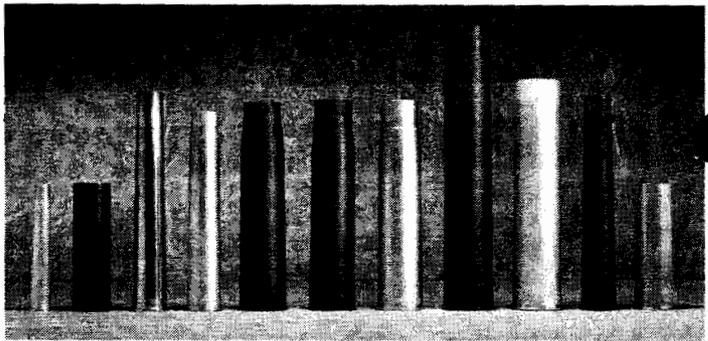
Completed since 2001

Support future obligations of foreign

Cartridge Cases:

Approx. 24K anticipated

Completed since 2003



on & Development Programs At Riverbank AAP

t to customer satisfaction and timely

Deficiency Reports received since
production in 2001

and capacity for both steel and brass
es, 60mm/81mm mortars, and
77 cargo grenades

d for 100 cases per hour or approx. 15k
8-5 basis can be increased to meet the
ure Plan and surge capabilities

AC Commission

Briefing on

Army Ammunition Plant
Riverbank, CA

Operated by
NI Industries, Inc.

Presented by Winnie T. Wu,
General Manager - NI Industries, Inc.

winnie@niindustries.com

Tel: 209.869.7215

22 June 2005

Executive Summary

Following points for consideration to retain
in the Military Value Portfolio (MVP) as
an important industrial base facility with unique
manufacture:

Design, large caliber cartridge cases

Boeing Stearman Vehicle, 76mm and 5"54 Navy Guns,
155mm Advanced Gun System (AGS) for the
M109(X) Program

Design and M77 cargo grenade bodies

Ability to have successfully made the M77

Design and production 60mm/81mm mortars

Completed the process and produced a limited

Executive Summary...cont'd

ed with the DoD recommendation to
cartridge case manufacturing facility from
AP to Rock Island Arsenal

able stockpile of large caliber cartridge cases

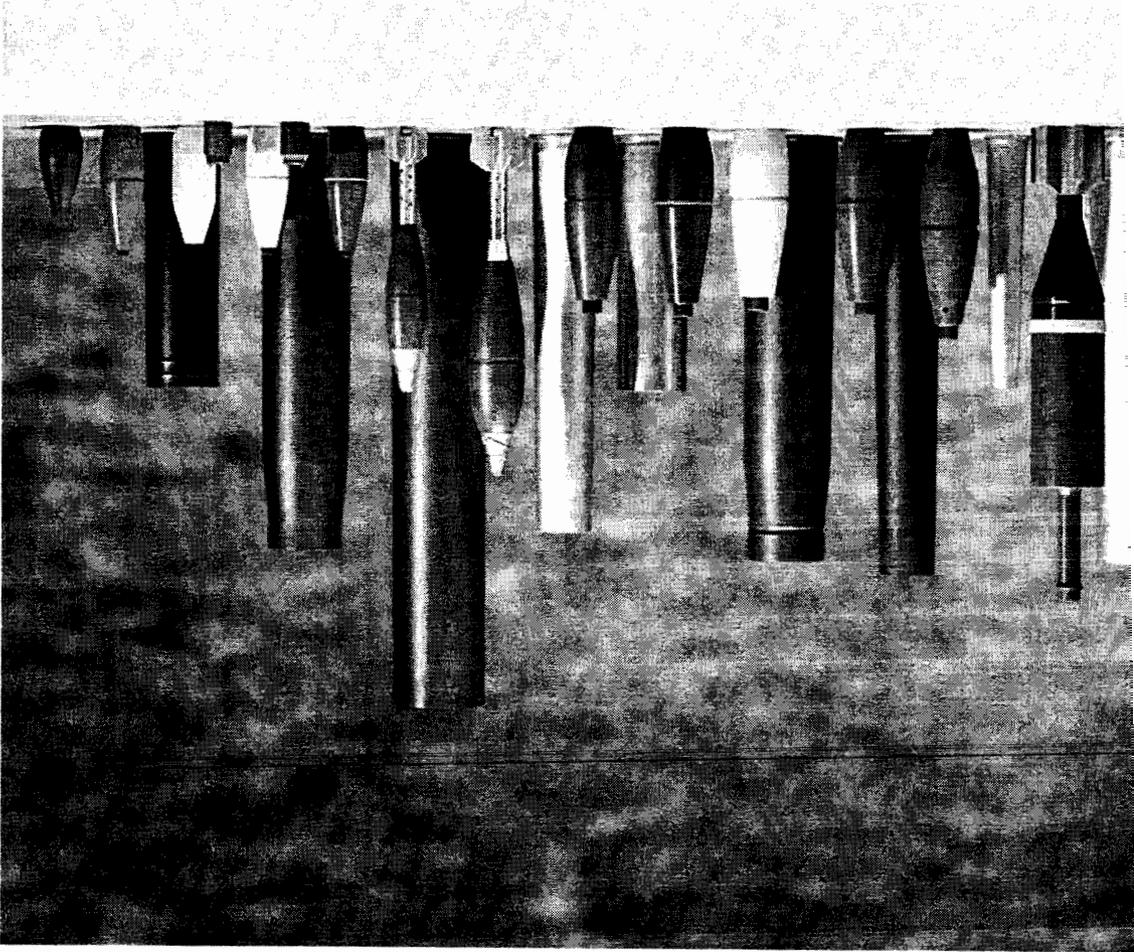
derations must be given since a move of this
ould require a total shut down of production

ocation cost estimates

ll encompassing and the recurring savings
imistic

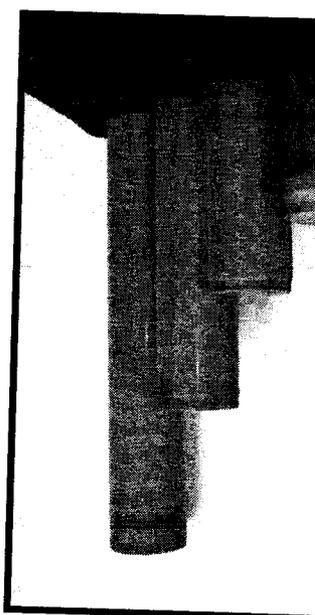
930 with the first military contract in 1938 developed deep drawn steel cartridge case in 1943 factor for Riverbank AAP since 1951
component of steel cartridge cases to replace brass WWII due to copper shortage and developed methods and technology for high mortar/projectile and grenade bodies
facturing experience in deep drawing and d metals for cartridge cases, projectiles, grenade bodies, Multiple Launch Rocket and Light Antitank Weapon (LAW) System
ducer of a variety of large caliber cartridge military services
) 14001 certified

NI Industries, Inc.



ple of NI Product Portfolio
At Riverbank AAP

- Deep draw technology
- A complex process
 - A series of precise, consecutive press operations
 - High quality, one-piece, variable wall case
 - Final internal and external configuration
 - Meeting the needs of mating components for end items required by the customer



own steel
(mm) for
un System

**Unique Capability For
Deep Draw Technology**

Core Capabilities

Knowledge, Skills, and Abilities

experience in developing deep draw technology
expertise for the manufacture of the cartridge case
to develop

technical and skilled manufacturing workforce - a vital

capability - key to applying the deep draw technology
structure of a press formed cartridge case

knowledge and unparalleled experience in thermal
optimize manufacturability for consistent quality

understanding of machining - achieve the complex final
dimension and surfaces

proper zinc plating surfaces - to meet exacting customer

analysis
of one-time costs related to relocating a
manufacturing facility
recurring savings

on for Force Structure

value/judgment

Summary of Key Concerns with
BRAC Recommendation

ary Value/Judgment

ilities in Deep Draw Technology

hology that requires a highly skilled and
mpetent work force

DD (X), NI "fast tracked" successful
e largest deep drawn steel cartridge case with
on in cost and time

chnical capabilities and existing manufacturing
odeling

stablished flexible cartridge case facility to
e 155mm requirements

5mm steel tank cartridge cases for the Stryker
of the Future Combat System

ords demonstrated high quality, timely
ge cases to the Joint Armed Services

Transition for Force Structure

Disruption of Cartridge Case Supply

Remove the equipment from Riverbank and
relocate at Rock Island by 2011. Timeline

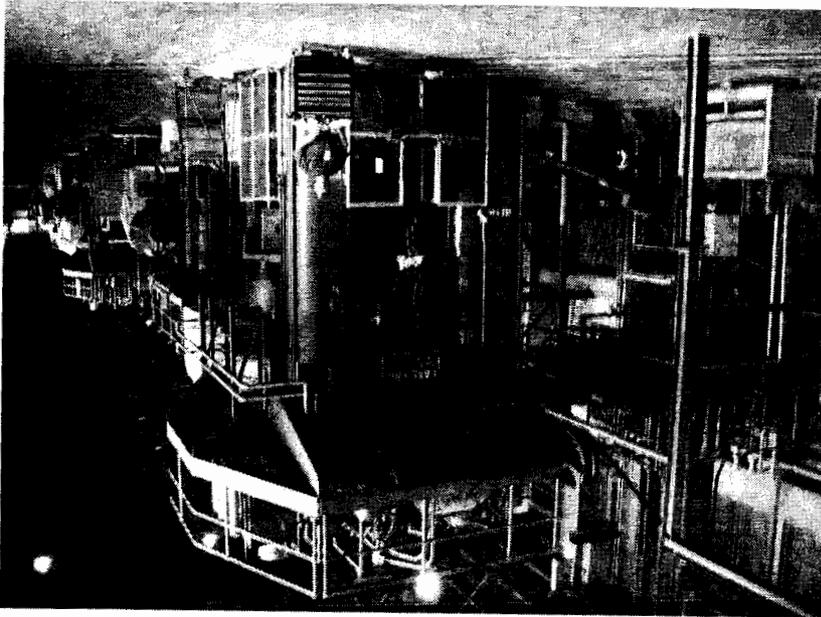
Pay close attention to PM including engineering
planning to identify critical path to successfully
relocate Riverbank facility and prove out a new cartridge

Plan to balance the length of the transition period
with stockpile requirements

the following move costs?
enters
ility
ent facilities (aged annealing furnace might
(move)
struction of foundations for presses and other
ry
mical, and metallurgical labs
eep draw tooling and gages
e treatment facility suitable for metal parts

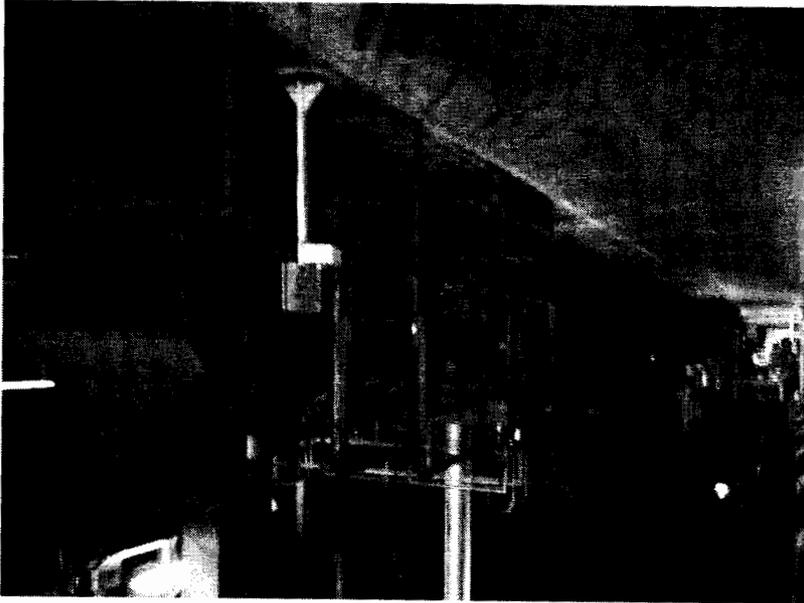
Case Facility Relocation Concerns

4500T Press



Hydraulic Presses

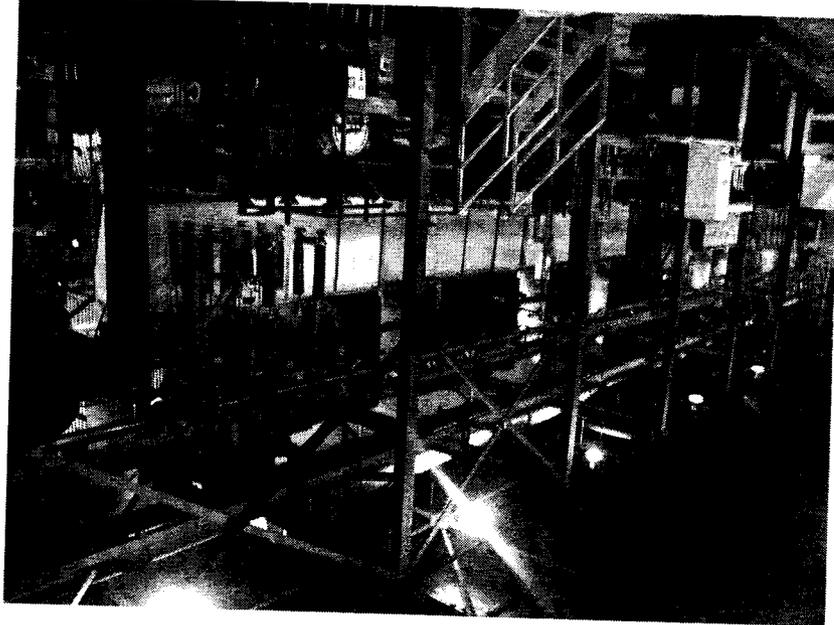
Annealing Furnace



em

1 Treatment Equipment

Zinc Plating System



nters

ing Centers/Zinc Plater

COBRA Analysis - Costs

Estimates in COBRA Model

25.2M. It is likely that cost can exceed \$60M when delete

n of new equipment: This budget may not be even the acquisition of a 5,000T press and a system

will be necessary to prove out the new line to lity is capable of meeting manufacturing and its

and travel: may not be adequate to support the

reatment Facility: proper permits to handle metal parts manufacturing

A Analysis - Savings

ings Stated in the COBRA Model

of \$2.6M:

Replacement Value of \$272M over a "recap rate"
was assumed for an annual cost avoidance to start

that this level of revenue can be achieved

06

s of \$5.5M:

f the "sustainment cost" assumed at \$4.3M to
3-acre facility.

another \$1.2M recurring cost from Base
pport.

(3) years after 2011:

conclusion

Summary

ogy and extensive experience to support the requirements by the Joint Armed Forces, 55mm cartridge case for Navy's DD(X) Army's Stryker Vehicle for the Future Combat

the customer's premier manufacturer for the cargo grenades, and other metal components

an Integrated Cartridge Case Facility

l planning and engineering to ensure that the supply will not be adversely interrupted

yback

mates

 **Pendaflex**
Esselle

48430

30%



P4

MR. CHAIRMAN AND FELLOW COMMISSIONERS,
DOD JUSTIFIES THE CLOSURE OF THE RIVERBANK
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 CARTRIDGE CASE METAL PARTS
MISSIONS ARE RELOCATED TO THE ROCK ISLAND
ARSENAL.

THIS CLOSURE ELIMINATES 4 CIVILIAN AND 85
CONTRACT POSITIONS.

DOD JUSTIFICATION SLIDE –OFF

DOD ISSUES SLIDE – ON

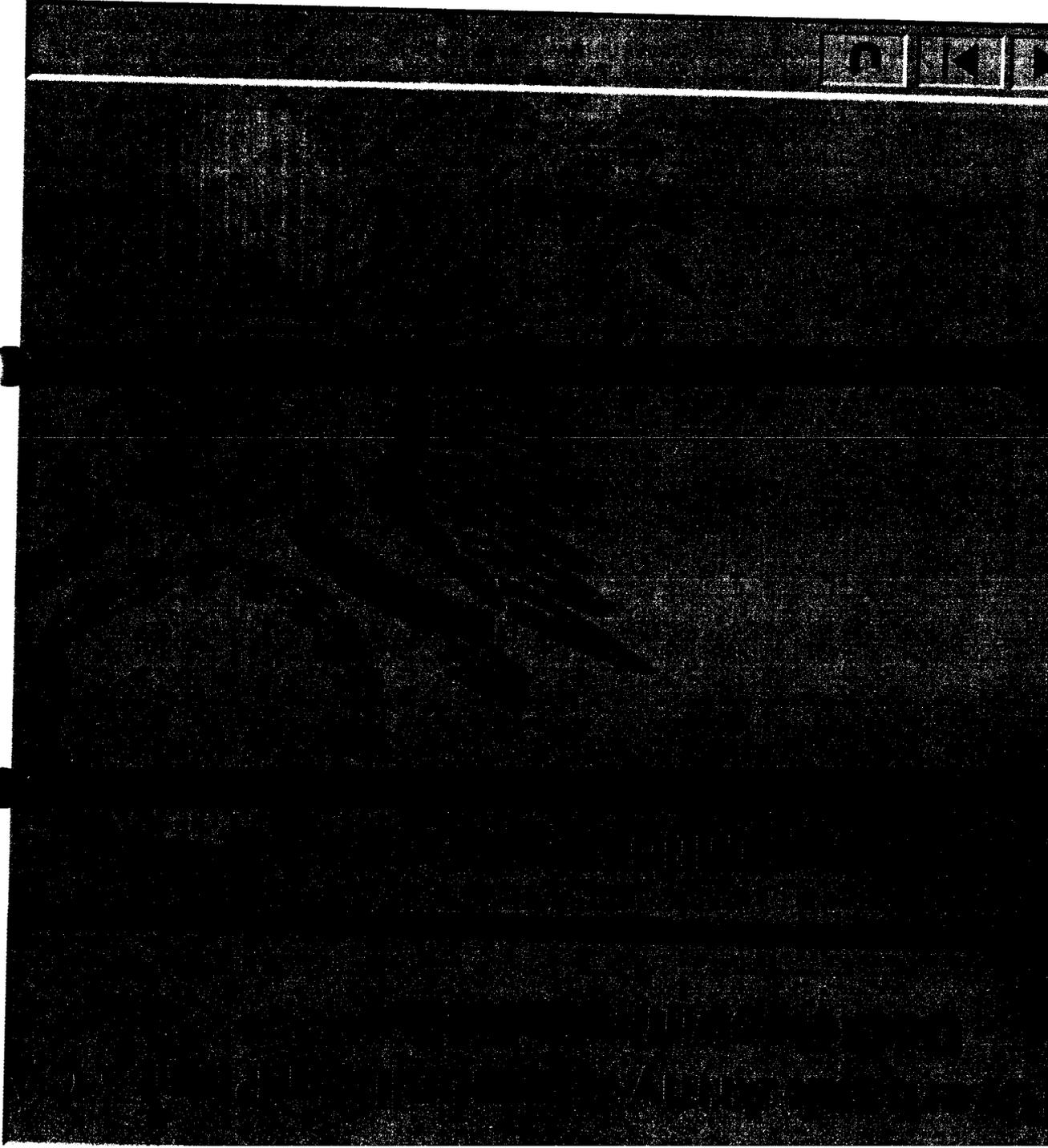
THE COMMUNITY NOTED THAT THE CURRENT
OPERATING CONTRACTOR IS THE ONLY
PRODUCER OF THE DEEP DRAWN STEEL
CARTRIDGE CASE IN VARIOUS CALIBERS. THEY
EXPRESSED CONCERN ABOUT STOCKPILING

METAL PARTS PLANT WITH 5% UTILIZATION. THE
JOINT MUNITIONS COMMAND WILL ENSURE AN
ADEQUATE STOCKPILE OF ANY ARTILLERY
CARTRIDGE CASES TO AVOID ANY DISRUPTION
TO THE WARFIGHTER WHILE LINES ARE
TRANSFERRED AND ESTABLISHED AT ALL
GAINING INSTALLATIONS.

THE COMMUNITY ASSERTED THAT MOVING THE
EQUIPMENT WILL COST \$35 MILLION DOLLARS
MORE THAN DOD PROJECTED. THEY ALSO

PRODUCTION AT THE NEW LOCATION. THE
CONTRACTOR AND COMMUNITY CONCERNS ARE
VALID, BUT PROSPECTIVE IN NATURE. COBRA
USED CERTIFIED DATA AND CLOSING COSTS ARE
BEST ESTIMATES AT THIS POINT.

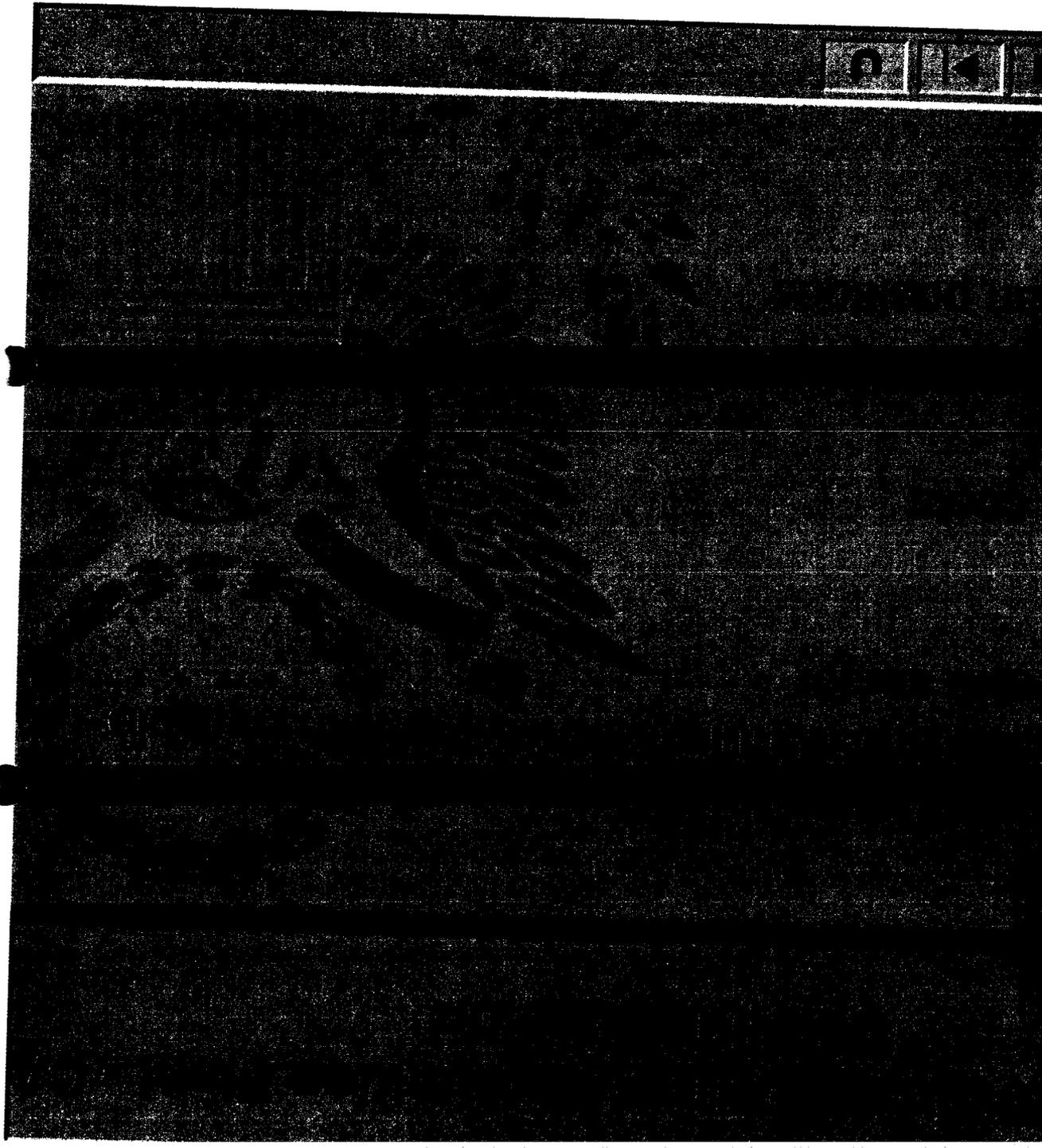
IN SUMMARY IT IS THE STAFF'S ASSESSMENT
THAT THERE WAS NO DEVIATION FROM THE
FINAL SELECTION CRITERIA OR THE FORCE
STRUCTURE PLAN.





Rock
Island,
Arsenal, IL

erbank
P, CA







AF Division

	C8	C7	C6	C5	C4	C3	C2

Military Value Other

on from Final Selection Criteria

1001

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COBRA DATA

DOD COBRA Run	Commission COBRA Run
\$25.2 M	\$57.3 M
\$10.4 M	\$45.0 M
(\$6.5 M)	(\$6.0 M)
3 years	10 years
(\$53.3 M)	(\$16.0 M)

0

1

1901

1902

1903

Analysis: Riverbank Army Ammunition Plant, CA (Industrial # 5, Closure)

- Underutilized Government Owned, Contractor Operated (Metal Parts) plant: data indicates 5%
- Industrial base has 4 sites producing metal parts
- DoD position: reduce infrastructure by closing facility
- Norris Industries, Inc. (NI) is the only producer of the deep drawn steel cartridge case in various calibers including the 155 mm caliber size to support Navy next generation fleet and potentially for the Army's Future Combat System.
- Production limited to small quantities
- Production is high technician (artisan level) input driven, almost on a one of a kind basis
- One of various sources for the manufacture of cargo grenade bodies, this line is in lay away
- Move to Rock Island allows for potential partnerings
- NI, Inc. is the sole producer of the deep drawn cartridge cases
- Facility now hosts thirteen tenants on site who employ more than 200 individuals
- The community:
 - believes that the closure recommendation was based on invalid criteria and faulty information,
 - adamantly opposes the closure and,
 - questions the costs to dismantle, move and, reassemble the plant's complex equipment in another location.
 - Expressed concerns that an unsuccessful relocation of equipment and a lack of highly skilled (artisan level) transferees will have significant repercussions on the military's ability to access the necessary ordnances in any future conflict.

**Analysis: Riverbank Army Ammunition Plant, CA
(Industrial # 5, Closure)**

Recommendation #151, Riverbank Army Ammunition Plant (Ind-5)

The community believes the recommendation to close the Riverbank Army Ammunition Plant (RBAAP) defied logic and common sense. They pointed out that NI Industries, Inc. has successfully operated the installation since 1951. They noted RBAAP hosts thirteen tenants with more than 200 employees. The community and NI Industries Inc. asserted that RBAAP is the only plant producing the deep-drawn steel cartridge cases needed for the Navy's next generation fleet and the Army's Future Combat System. The City of Riverbank challenged the rationale for, and pointed out risks associated with, closing this high-military-value production plant, and asserted that production interruptions could hinder current and future military missions. The City adamantly opposed the closure, saying the closure recommendation was based on invalid criteria and faulty information, and questioned DoD's estimated costs for dismantling, moving, and reassembling the plant's complex equipment. They contended an unsuccessful relocation of equipment and a lack of highly skilled (artisan level) transferees would have significant repercussions on military access to needed ordnance. The community concluded that the RBAAP should remain a vital entity in the military arsenal.

Atlanta Scenario:

- Same large scale deep drain
that Northridge case capability at
Bischoff

- More large underground metal parts
to Rock Island

- Future requirements
and major capabilities:

* Eisenhower - 0.9 million granules/mo (1-8-5
basis) for M42/46/77

* Mississippi - 4 million granules/mo (1-8-5
basis) for M42/46

- ~~Mississippi~~ Miss Dept requirements
are 2.5 - 3 million/mo.

Owned Ammunition Production Facilities

<u>Contractor</u>	<u>Location</u>	<u>Manufacturing Process</u>	<u>Status</u>
ation	Baraboo, WI	Propellant	Excess
erman, Inc.	Grand Island, NE	LAP	Excess
	Hawthorne, NV	LAP	Excess
		Ammo Storage	Tier 2 Depot
se Authority.	Pittsburgh, PA	MPTs	Disposed
	Kingsport, Tenn	Explosive	Active
	Charlestown, IN	Propellant & LAP	Excess
d (GDLS/D&Z)	Middletown, IA	LAP	Active
erman	Joliet, IL	LAP & Explosives	Excess
	Parsons, KS	LAP	Active
Systems	Independence, MO	Small Caliber	Active
erman, Inc.	Texarkanna, TX	LAP	Active
	Marshall, TX	LAP	Excess
	Shreveport, LA	MPTS	Semiactive
		LAP	Excess
d (GDLS/D&Z)	Milan, TN	LAP	Active
erman	Stennis Space Ctr., MS	MPTS	Semiactive
		LAP	Excess
ystems, Inc.	Newport, IN	Explosives	Excess
nger	Radford, VA	Propellant	Active
	Ravenna, OH	LAP	Excess
ries	Riverbank, CA	MPTS	Active
Mfg.	Scranton, PA	MPTS	Active
	St. Louis, MO	MPTS	Excess
	Desoto, KS	Propellant	Excess
	New Brighton, MN	LAP & MPTS	Excess
	Chattanooga, TN	Explosives	Excess
	Bloomington, IN	LAP & Depot	Active
	McAlester, OK	LAP & Depot	Active
	Pine Bluff, ARK	LAP	Active

ACTION MEMO

July 7, 2005

FOR: PRINCIPAL DEPUTY UNDER SECRETARY OF DEFENSE
(ACQUISITION, TECHNOLOGY & LOGISTICS)

FROM: Mr. Jay Berry, Office of the Assistant Deputy Under Secretary of Defense
(Materiel Readiness and Maintenance Policy)

SUBJECT: Response to Rep George Radanovich Request for BRAC Information
Relating to Riverbank Army Ammunition Plant

- The BRAC recommendations forwarded by SECDEF to the BRAC Commission included a recommendation to close Riverbank Army Ammunition Plant and transfer of that workload to Rock Island Army Arsenal.
- Riverbank is a government owned, contractor operated facility with a five percent utilization rate. It ranked 14/16 in military value for munitions production and is one of four sites capable of producing metal parts.
- Riverbank is the only activity currently capable of producing large caliber deep drawn steel cartridge cases to support the 105mm Stryker, 5"54, 76mm Navy gun and the R&D program for 155mm for the Navy's DD(X) program.
- It is unstated in the proposed response, but anticipated that the current contractor at Riverbank would bid on performing the same work at Rock Island. The deep drawn cartridge cases produced by Riverbank are low volume and could be stockpiled in anticipation of the transfer of function.



ACQUISITION,
TECHNOLOGY
AND LOGISTICS

PRINCIPAL DEPUTY UNDER SECRETARY OF DEFENSE

3015 DEFENSE PENTAGON
WASHINGTON, DC 20301-3015

JUL 11 2006

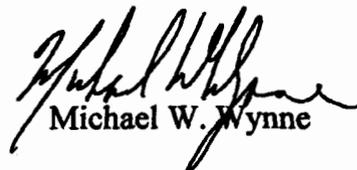
The Honorable George Radanovich
428 Cannon House Office Building
Washington, DC 20515-0519

Dear Representative Radanovich:

Thank you for your recent letter to the Secretary of Defense regarding the recommendation to close Riverbank Army Ammunition Plant. I am responding on his behalf. The decision to recommend Riverbank was difficult, but it was ultimately in the best interests of the Department.

The Riverbank recommendation does not abandon the deep drawn cartridge case capability. It relocates the capability with other metal working capabilities and processes to increase the efficiencies and effectiveness of our organic industrial base. Responses to your specific questions are attached.

Sincerely,



Michael W. Wynne

Enclosure:

RIVERBANK ARMY AMMUNITION PLANT

1. *Question: Since Riverbank AAP is the only industrial base facility capable of producing large caliber steel cartridge cases in support of ammunition for the 105mm Stryker, 5"54, 76mm, Navy Gun; and the R&D program for the 155mm Advanced Gun System for the Navy's DD(X) program, what criteria were used to judge these capabilities as "excess"?*

Answer: The large caliber steel cartridge case capabilities were not judged as excess. The recommendation moves the capabilities (in their entirety) to Rock Island Arsenal. Riverbank has a five percent utilization rate, the excess is in infrastructure.

2. *Question: The justification indicates there are four sites in the Industrial Base actively producing metal parts. Please identify the sites and their specific capabilities in producing large caliber deep drawn steel cases.*

Answer: The four sites referenced are Mississippi, Riverbank, Scranton, and Louisiana. The analysis identified only Riverbank as having the capability to produce large caliber deep drawn steel cases.

3. *Question: The deep drawn caliber cases are produced by a very unique process, based on technical know-how developed and perfected over 70 years by a California-based contractor. How does DOD plan to relocate this technical and intellectual property, i.e., know-how to Rock Island Arsenal?*

Answer: Rock Island Arsenal has a greater utilization rate (72% versus 5%), a higher military value, and assets that support the function (heat treat, annealing, metallurgy, etc). This recommendation provides an opportunity to reduce infrastructure, improve processes, and acquire technical and intellectual skills through public private partnering.

4. *Question: Where is the redundancy in the manufacture of deep drawn steel cartridge cases in the Industrial Base?*

capability to manufacture large caliber deep drawn steel/brass cartridge cases was considered to be a critical skill that must be retained within DoD.

6. *Question: Please provide studies that were conducted or data collected from Riverbank and the year of this information, which were utilized in the economic analysis model?*

Answer: Data was gathered by a Joint Process Action Team during the BRAC process and used to develop the common economic analysis model.

7. *Question: What studies were conducted or data collected to verify Rock Island's capabilities and know-how to manufacture the large caliber deep drawn cartridge cases? What was the year of these studies or data sources?*

Answer: As stated, the only site possessing the capability to manufacture deep drawn cartridge cases is Riverbank. BRAC analysis gathered data on capabilities and Rock Island's capabilities provide the following support system:

- Heat treat capability
 - Forging capability
 - Annealing capability
 - Apprenticeship programs for machinists, electricians, molder/foundry/pattern maker, pipe fitters, tool and die making
 - Metal turning
 - Press Forming
 - Manufacturing skill sets
 - Similar workforce
 - Non-destructive testing
 - Full metal fabrication with press, laser, shear, welding, etc
 - Full engineering support with material test lab metallurgist and production support engineers
- Buildings with the height clearance needed for presses.
 - Rock island Arsenal is a totally vertically integrated manufacturing facility that begins with raw material and ends with a finished product. In-house total manufacturing to include forgings, castings, weldments, and fabrications

9. Question: The justification cites that closure allows DOD to "generate efficiencies." Please provide specific data on each efficiency generated by closure.

Answer:

- Closure of Mississippi (0% utilization rate) and Riverbank (5% utilization rate) and movement of the function to Rock Island (72% utilization rate), generates substantial monetary efficiencies
- Cost efficiencies generated from shared overhead
- Reduction in sustainment cost (\$5.1 million per year)
- Reduction in facility security and force protection cost
- Reduction in cost of product to the customer

10. Question: The justification cites that closure allows DOD to "nurture partnership with multiple sources in the private sector". Please provide details for each of the private sources DOD has identified for nurturing. Please indicate whether any of these private sources are capable of producing large caliber deep drawn steel cartridge cases.

Answer: There is no current source for large caliber deep drawn steel cartridge cases in the private sector. Identification of a private sector partners will be made through a competitive process.

11. Question: What assumptions were made to handle tenants currently leasing at the Riverbank facility to help the Army offset the facility maintenance costs?

Answer: There are 13 ARMS tenants at Riverbank and their leases will expire within the BRAC window (FY 2006- 2011). Tenants may either relocate or become tenants to the new land owner.

12. Question: Were the costs associated with terminating tenant leases at Riverbank considered? If not, what is the additional cost involved?

Answer: Costs associated with lease termination were considered. ...

14. Question: What are the current cost structure (such as overhead, G&A, materials, and direct and indirect labor) at Rock Island?

Answer: Rock Island's cost structure was not part of the IJCSG analysis and is considered competition sensitive.

15. Question: If Rock Island's cost structure cannot support competitive pricing for cartridge cases, how does DOD plan to meet ammunition requirements in a cost effective manner?

Answer: Rock Island can support competitive pricing.

16. Question: Riverbank is designated as a surge facility for M42 and M46 grenade metal parts and is the only plant known to have produced M77 grenade bodies. How was Riverbank's capacity to produce cargo grenade metal bodies evaluated in determining facility utilization? What is DOD plans to move this capability to Rock Island?

Answer: Based on requirements generated by the Military Departments, the production capacity for Cargo Grenade Metal Parts at Riverbank AAP cannot meet the departments' needs. Riverbank has laid-away capability (for M42/46/77) to produce about 0.9 million cargo grenades per month (on a 1-8-5 basis). Mississippi has laid-away capability (for M42/46) to produce about 4 million per month (on a 1-8-5 basis). Military Department requirements are 2.5-3.0 million per month. DoD's plan is to relocate equipment from both Mississippi and Riverbank to Rock Island and establish one modern cargo grenade facility capable of meeting the requirements of the war-fighter. Cost to move, procure, and install the equipment are included in the Riverbank and Mississippi analysis. There is a technical challenge involved because Cargo Grenades metal parts have not been produced by either Mississippi or Riverbank in many years.

17. Question: DOD has also recommended that the M42 and M46 grenade metal parts capability from Mississippi AAP be relocated to Rock Island. It is our understanding that

Answer: This recommendation does not include new construction at Rock Island. The cost included in the BRAC analysis is for refurbishment of an existing building.

19. *Question: What environmental infrastructure does Rock Island have to treat the discharge from the chemicals utilized in the manufacturing process?*

Answer: Rock Island Arsenal has Industrial Waste Treatment Plant (IWTP) capabilities to treat chemical waste before discharge to the City of Rock Island. This capability includes treatment associated with chrome and zinc plating. In addition, pre-treatment equipment will be moved from Riverbank to Rock Island and augmented with selected new equipment.

20. *Question: Have the additional costs of the operating the new construction as well as the environmental treatment facility been considered in the BRAC evaluation?*

Answer: Yes.

21. *Question: What constitutes the one time cost of \$25.2 million, and what are the assumptions made for each cost element?*

- Answer: The \$25.2 million in one time costs are:
 - \$15,000K to skid, ship and install equipment
 - \$100K to shut off utilities
 - \$1,300K to perform an EIS at Riverbank
 - \$5,000K for new equipment
 - \$2,000K for building refurbishment
 - \$5K for training and TDY
 - \$1,150 for air conformity, new source review, and EIS at Rock Island
 - \$684K for shutdown of 707KSF
- The assumption is to include all costs related to relocation of cartridge case functions from Riverbank to Rock Island Arsenal. Costs include facilitization projects, equipment, training, cost avoidances (planned site improvements)

- *Question: Proper design of the foundation and pits for heavy machinery such as presses and machining centers?*

- Answer: Yes

- *Question: Metrology, chemical, and metallurgical laboratories?*

- Answer: Yes

23. *Question: In justifying relocation of the cartridge case metal parts capability to Rock Island, did DOD take into account the following factors:*

- *Over \$13 million would be required to procure two major pieces of equipment: an anneal furnace, although currently utilized in production, the furnace is 50 years old and would not be expected to survive the move; an additional 5,000 ton press – because of limited press technical know-how, Rock Island would not likely be able to take advantage of utilizing the lower tonnage press at Riverbank to produce the 155mm advanced Gun System cases?*

- Answer: Yes (used our estimate)

- *Additional \$9 million would be needed to replace the zinc plating and thermal treatment facilities which are not likely to survive the move?*

- Answer: Yes (used our estimate)

- *Were these additional costs in excess of \$20 million considered in the payback calculation?*

- Answer: No. Used our estimates in the payback calculation

24. *Question: Has the cost of training personnel been accounted for in the payback calculation?*

27. *Question: Is the one time cost of \$25.2 million included in the calculation of the net cost of \$10.4 million after certain savings are projected?*

Answer: Yes

28. *Question: What are the assumptions made at arriving at a recurring savings of \$6.5 million? Please provide a breakdown of each area of savings?*

Answer: Recurring savings of \$6.5 million are based on no longer having to pay sustainment, BOS, and Civilian salaries.

29. *Question: What is the payback year for DOD's investment in closing Riverbank and relocating the cartridge case line at Rock Island and making it fully operational at a cost competitive level? How does this correlate with the 3-year payback period cited in the report?*

Answer: The payback is 3 years (same as the report).

30. *Question: What is the interest rate used in the payback calculations? What is the basis of this rate? What are the sunk costs considered?*

Answer: The COBRA uses a discount rate (not an interest rate) as outlined in OMB Circular A-94, Appendix C. Appendix C provides the 10-year and 30-year rate. To get the 20 year rate used by COBRA, the guidance is to take an average of the 10 and 30 year rate. Based on the March 2005 circular, the rate is 2.8%. There are no sunk costs in the payback calculations.

31. *Question: Please provide a breakdown of the \$2.5 million for environmental compliance activities and specify by the elements of environmental compliance including, for example, permitting, air, water, and sewer monitoring, equipment, etc. What was the source for this data?*

Island, was the impact on the City's POTW evaluated? If additional pretreatment units are required to meet discharge limitation, were these costs included?

Answer: Yes

COMMENT:

The bulk of metal parts used to support to the current conflict is manufactured by Scranton AAP and Private Industry.

o Deep drawn cartridge cases support ammunition for 105MM Stryker, 5"54 Navy Gun Ammo, 76MM Navy Gun Ammo and the R&D program for the 155MM Advanced Gun System for the Navy's DD(X) program. For the immediate conflict, the 5"54 Navy Gun Ammo and 76MM Navy Gun Ammo are specialty items of relative low volume. The 105MM for the Stryker is still in the decisional phase with only small training requirements out through the 2011. The 155MM Advanced Gun System for the Navy is in the R&D phase. For all of the aforementioned rounds, sufficient rounds can be stockpiled to make it through the transition.

o For the immediate conflict, current requirements for Cargo Grenade Metal parts are low, but future requirements push production capacity beyond the capability that exists at Riverbank (0.9 million per month (1-8-5 basis) to 2.5 million to 3.0 million per month (1-8-5 basis). To support future needs of Cargo Grenade Metal Parts for the war-fighter, we need the capacity at both Riverbank AAP and Mississippi AAP.

The recommendation does not abandon the deep drawn cartridge case capability within the organic base. It relocates the capability with other metal working capabilities and processes to gain efficiencies and effectiveness.

The following questions were based on a review of the Department of Defense Report to the Base Closure and Realignment Commission, Department of the Army Analysis and Recommendations BRAC 2005, Volume III dated May 2005

Note: Volume III represents the Army's analysis of all of its installations. The Army established its portfolio based on 40 different attributes. Responsibility for performing BRAC analysis of Munitions Production, Munitions Storage, Munitions Maintenance, Munitions Demilitarization, and Armaments Manufacturing/Production was assigned to the Industrial Joint Cross Service Group (IJCSG). Recommendations were established from capacity and military value data collected by the IJCSG with collaboration and support from the Army. Although the recommendations came from the IJCSG, questions 1- 6 are directed to the Army.

1. Question: According to the BRAC reports, "the Army did not include 'unique capability' within Military Value of Installations (MVI), but added these capabilities in its Military Value Portfolio determination (MVP) as constraints if the Army had a requirement for the capability". Further, "the MVP analysis was Army centric and did not account for Joint capability available or for unique capabilities from a Joint perspective. These Joint aspects were considered within scenario analysis". How were Riverbank's unique capabilities and joint aspects, including its role in meeting the Navy's requirements, taken into account by the BRAC Senior Review Group (SRG) in the Military Portfolio scenario analysis?

Answer: The Army serves as the Single Manager for Conventional Ammunition as outlined in DoD 5160.65. Since the Army has responsibility for the production, storage, maintenance, and demilitarization of ALL conventional ammunition for ALL services, joint capability was considered in the analysis.

The IJCSG and the Army worked together on the Munitions and Armaments recommendations. Both groups classified the ability to manufacture deep drawn steel cartridge case as a critical capability. The two groups also agreed that the process could be relocated.

- Inability to produce the total requirement for Cargo Grenade Metal Parts
- Availability of infrastructure to support the relocation of the deep drawn steel cartridge capability from Riverbank Army Ammunition Plant, CA.
- Assurance that there is time to bring Rock Island on line (4 deep drawn cartridge case commodities are low volume and can be stockpiled)

3. Question: Please provide details by which the military within SRG or Joint Cross Service Group (JCSG) determined whether or not to retain Riverbank in the portfolio.

Answer: The Army in coordination with the Industrial Joint Cross Service Group determined that the capabilities at Riverbank Army Ammunition Plant, CA, could be replicated elsewhere at a reasonable risk and cost.

4. Question: Please identify the two metal part installations under Munitions Production Attributes that were considered as constraints in the MVP evaluation and provide the justification for designating each as a constraint.

Answer: There was a typographical error in Volume III of the DOD Report to the BRAC Commission, Department of the Army Analysis and Recommendations BRAC 2005. Table 7 in Appendix B, page B-12 states 2 of 5 metal parts installations, but should read 1 of 4 metal parts installations.

These installations were Riverbank Army Ammunition Plant, CA; Mississippi Army Ammunition Plant, MI; Louisiana Army Ammunition Plant (removed from the BRAC process, but process and equipment were considered), and Scranton Army Ammunition Plant, PA.

5. Question: We would like to know which agencies completed the Installation Capacity Data Call and the Military Value Data Call for Riverbank. Which audit community determined the accuracy of the source and data? When was the data last updated for the final MVI and MVP results?

Answer: Riverbank Army Ammunition Plant answered both data calls. The Army Audit Agency has the responsibility for oversight and audit of the data.

Munitions storage, demil, maintenance, production and Armaments manufacturing/production are inter-related processes that focus on support to the war-fighter. To make sure DOD sizes the industrial base appropriately, the support to the IJCSG included input from a cadre of 309 individuals. Throughout the entire BRAC process, the IJCSG relied upon the following SMEs: Under Secretary of Defense, the Commanding General of the Army Field Support Command and Joint Munitions Command (AFSC/JMC), Senior Executive Service (SES)(Army, Navy, Air Force, and Marine Corps), Rear Admiral from the Navy, General from the Marine Corp, General from the Air Force, IJCSG team (36 participants from the AFSC, JMC, AMCOM, CECOM, AMC, Navy, Air Force, Marine Corps, DODIG, DLA, OSD, DA and GAO). After development of the recommendations, a final review and approval was made by SMEs from the Secretary of the Military Departments (Army, Navy, and Air Force). The focus of the analysis was an industrial base in support of the total life cycle (except RDT&E) of munitions and armaments processes. The goal of the analysis was to improve the industrial base and increase DOD's ability to support readiness.

SECRETARY OF DEFENSE CORRESPONDENCE ACTION REPORT

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2 JUSTIFICATION

3. REPORTING AGENCY

a. ACTION AGENCY: USA

e. APPROVING AUTHORITY (Service Secretary/Under Secretary/ASD/Military/Executive Assistant Level)

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Washington, DC 20515-0519

GEORGE RADANOVICH

18TH DISTRICT, CALIFORNIA

June 15, 2005

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COMMENT LINE
(202) 478-6399

Donald Rumsfeld
Secretary of Defense
1000 Defense Pentagon
Washington D.C. 20301-1000

Dear Mr. Rumsfeld:

One of the Government installations currently recommended for closure by the DOD is the Riverbank Army Ammunition Plant (RBAAP), located in my District. Needless to say, I am very concerned about the recommendation, not only from the impact on our community, but more importantly its impact on national defense preparedness and national security.

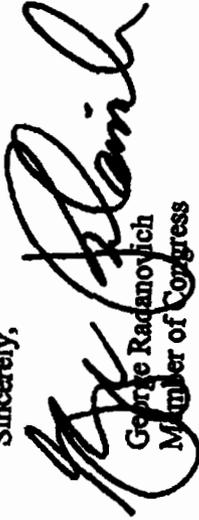
In order to understand the justification for seeking to close RBAAP and relocate the large caliber deep drawn steel cartridge case capability to Rock Island Arsenal, I have prepared the attached list of questions. I request your assistance in obtaining answers from DOD as promptly as possible. Since the Commission hearing in Los Angeles is scheduled for July 14, 2005, I would be very appreciative if answers can be secured in sufficient time to prepare for this hearing.

When reading the various BRAC related reports, several points concern me, which I believe were based on deficient information. The BRAC reports appear to overlook the fact that:

- Riverbank is the only industrial base facility capable of producing large caliber...

I am very appreciative of any assistance and support you could provide in expediting responses to the attached questions. Should you need additional information or have any questions concerning my request, please let me know.

Sincerely,



George Radanovich
Member of Congress

Cc: The Honorable Jerry Lewis

Cc: The Honorable Duncan Hunter

Riverbank Army Ammunition Plant

The following questions are based on review of the Department of Defense Base Closure and Realignment Report Volume 1 Part 2 of 2: Detailed Recommendations dated May 2005

1. Since Riverbank AAP is the only industrial base facility capable of producing large caliber steel cartridge cases in support of ammunition for the 105mm Stryker, 5"54, 76 mm, Navy Gun; and the R&D program for the 155mm Advanced Gun System for the Navy's DD(X) program, what criteria were used to judge these capabilities as "excess"?
2. The justification indicates there are four sites in the Industrial Base actively producing metal parts. Please identify the sites and their specific capabilities; in producing large caliber deep drawn steel cases.
3. The deep drawn large caliber cases are produced by a very unique process, based on technical know-how developed and perfected over 70 years by a California-based contractor. How does DOD plan to relocate this technical and intellectual property, i.e., know-how to Rock Island Arsenal?
4. Where is the redundancy in the manufacture of deep drawn steel cartridge cases in the Industrial Base?
5. The justification cites the need "to remove excess from the Industrial Base." How did DOD determine "excess" at Riverbank? How was Riverbank's unique capacity to manufacture large caliber deep drawn steel/brass cartridge cases evaluated in determining facility utilization?
6. Please provide studies that were conducted or data collected from Riverbank and the year of this information, which were utilized in the economic analysis model?
7. What studies were conducted or data collected to verify Rock Island's capabilities and know-how to manufacture the large caliber deep drawn cartridge cases? What was the year of these studies or data sources?
8. What steps did DOD take to validate and certify the input data on both Riverbank and Rock Island relative to cartridge case manufacturing?

14. What are the current cost structure (such as overhead, G&A, materials, and direct and indirect labor) at Rock Island?
15. If Rock Island's cost structure cannot support competitive pricing for cartridge cases, how does DOD plan to meet ammunition requirements in a cost effective manner?
16. Riverbank is designated as a surge facility for M42 and M46 grenade metal parts and is the only plant known to have produced M77 grenade bodies. How was Riverbank's capacity to produce cargo grenade metal bodies evaluated in determining facility utilization? What are DOD plans to move this capability to Rock Island?
17. DOD has also recommended that the M42 and M46 grenade metal parts capability from Mississippi AAP be relocated to Rock Island. It is our understanding that Mississippi AAP does not currently have technical manpower knowledgeable in the manufacture of these grenade bodies, as exists at Riverbank; and that the installation cannot be easily inactivated. What are DOD plans to establish this unique capability at Rock Island?
18. The recommendation noted that new construction is planned at Rock Island. Please indicate the purpose of the new construction, the type and the cost involved. Was this cost considered in the one time cost?
19. What environmental infrastructure does Rock Island have to treat the discharge from the chemicals utilized in the manufacturing process?
20. Have the additional costs of the operating the new construction as well as the environmental treatment facility been considered in the BRAG evaluation?
21. What constitutes the one time cost of \$25.2 million, and what are the assumptions made for each cost element?
22. Have the costs of relocating the following equipment considered in the one time cost?
 - Relocation and installation of 17 presses, 6 machining centers, tempering, annealing, zinc plating facilities, and heat treatment facilities.
 - Proper design of the foundation and pits for heavy machinery such as presses and machining centers.
 - Metrology, chemical, and metallurgical laboratories.
23. In justifying relocation of the cartridge case metal parts capability to Rock Island, did DOD take into account the following factors?
 - Over \$13 million would be required to procure two major pieces of equipment: an anneal furnace, although currently utilized in production, the furnace is 50

27. Is the one time cost of \$25.2 million included in the calculation of the net cost of \$10.4 million after certain savings are projected?
28. What are the assumptions made at arriving at a recurring savings of \$6.5 million? Please provide a breakdown of each area of savings
29. What is the payback year for DOD's investment in closing Riverbank and relocating the cartridge case line at Rock Island and making it fully operational at a cost competitive level? How does this correlate with the 3-year payback period cited in the report?
30. What is the interest rate used in the payback calculations? What is the basis of this rate? What are the sunk costs considered?
31. Please provide a breakdown of the \$2.5 million for environmental compliance activities and specify by the elements of environmental compliance including, for example, permitting, air, water, and sewer monitoring, equipment, etc. What was the source for this data?
32. Since Rock Island is a Title V Stationary Source, did the evaluation include costs for whatever Best Available Control Technology and/or emission offsets may be required? If Rock Island discharges pretreated industrial wastewater to the City of Rock Island, was the impact on the City's POTW evaluated? If additional pretreatment units are required to meet discharge limitation, were these costs included?

The following questions were based on review of the Department of Defense Report to the Base Closure and Realignment Commission, Department of the Army Analysis and Recommendations BRAC 2005, Volume III dated May 2005.

1. According to the BRAC reports, "the Army did not include 'unique capability' within Military Value of Installations (MVI), but added these capabilities in its Military Value Portfolio determination (MVP) as constraints if the Army had a requirement for the capability." Further, "the MVP analysis was Army centric and did not account for Joint capacity available or for unique capabilities from a Joint perspective. These Joint aspects were considered within scenario analysis." How were Riverbank's unique capabilities and joint aspects, including its role in meeting the Navy's requirements, taken into account by the BRAC Senior Review Group (SRG) in the Military Portfolio scenario analysis?
2. Please provide an explanation/justification as to how the Army determines that Rock Island Arsenal is a suitable candidate for establishing a cartridge case facility when Rock Island's output score for Munitions Production Capability under Military Attribute #21 is zero. Given this score, it would appear that Rock Island currently does not possess the munitions production capability or the technological know-how to support the manufacture of large caliber deep drawn steel cartridge cases. What considerations has the Army given to Rock Island's deficiencies?
3. Please provide details by which the military within SRG or Joint Cross Service Group (JCSG) determined whether or not to retain Riverbank in the portfolio.
4. Please identify the two metal part installations under Munitions Production Attributes that were considered as constraints in the MVP evaluation and provide the justification for designating each as a constraint.
5. We would like to know which agencies completed the Installations Capacity Data Call and the Military Value Data Call for Riverbank. Which audit community determined the accuracy of the source and data? When was the data last updated for the final MVI and MVP results?
6. The BRAC report stated that the Army Material Command G3 is the Army Senior Military Executive (SME). Please identify the individuals and the services they represent on the G3 staff.

SECFILES FULL RECORD DETAIL

Print Date: 6/23/2005

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FROM MOC RADANOVICH, G
SUBJECT: QUESTIONS CONCERNING THE RECOMMENDATION FOR CLOSURE OF THE RIVERBANK ARMY
AMMUNITION PLANT (RBAAP)
KEYWORDS BRAC
COMMENTS
FN

ATTACHMENT:
DOR 6/23/2005
SIGNATURE CASE:

DOC 6/15/2005 TO SECDEF
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2

The Honorable George Radanovich
428 Cannon House Office Building
Washington, DC 20515-0519

Dear Representative Radanovich:

Thank you for your recent letter to the Secretary of Defense regarding the recommendation to close Riverbank Army Ammunition Plant. I am responding on his behalf. The decision to recommend Riverbank was difficult, but it was ultimately in the best interests of the Department.

The Riverbank recommendation does not abandon the deep drawn cartridge case capability. It relocates the capability with other metal working capabilities and processes to increase the efficiencies and effectiveness of our organic industrial base. Responses to your specific questions are attached.

Sincerely,

Michael W. Wynne

RIVERBANK ARMY AMMUNITION PLANT

1. *Question: Since Riverbank AAP is the only industrial base facility capable of producing large caliber steel cartridge cases in support of ammunition for the 105mm Stryker, 5"54, 76mm, Navy Gun; and the R&D program for the 155mm Advanced Gun System for the Navy's DD(X) program, what criteria were used to judge these capabilities as "excess"?*

Answer: The large caliber steel cartridge case capabilities were not judged as excess. The recommendation moves the capabilities (in their entirety) to Rock Island Arsenal. Riverbank has a five percent utilization rate, the excess is in infrastructure.

2. *Question: The justification indicates there are four sites in the Industrial Base actively producing metal parts. Please identify the sites and their specific capabilities in producing large caliber deep drawn steel cases.*

Answer: The four sites referenced are Mississippi, Riverbank, Scranton, and Louisiana. The analysis identified only Riverbank as having the capability to produce large caliber deep drawn steel cases.

3. *Question: The deep drawn caliber cases are produced by a very unique process, based on technical know-how developed and perfected over 70 years by a California-based contractor. How does DOD plan to relocate this technical and intellectual property, i.e., know-how to Rock Island Arsenal?*

Answer: Rock Island Arsenal has a greater utilization rate (72% versus 5%), a higher military value, and assets that support the function (heat treat, annealing, metallurgy, etc). This recommendation provides an opportunity to reduce infrastructure, improve processes, and acquire technical and intellectual skills through public private partnering.

4. *Question: Where is the redundancy in the manufacture of deep drawn steel cartridge cases in the Industrial Base?*

capability to manufacture large caliber deep drawn steel/brass cartridge cases was considered to be a critical skill that must be retained within DoD.

6. *Question: Please provide studies that were conducted or data collected from Riverbank and the year of this information, which were utilized in the economic analysis model?*

Answer: Data was gathered by a Joint Process Action Team during the BRAC process and used to develop the common economic analysis model.

7. *Question: What studies were conducted or data collected to verify Rock Island's capabilities and know-how to manufacture the large caliber deep drawn cartridge cases? What was the year of these studies or data sources?*

Answer: As stated, the only site possessing the capability to manufacture deep drawn cartridge cases is Riverbank. BRAC analysis gathered data on capabilities and Rock Island's capabilities provide the following support system:

- Heat treat capability
- Forging capability
- Annealing capability
- Apprenticeship programs for machinists, electricians, molder/foundry/pattern maker, pipe fitters, tool and die making
- Metal turning
- Press Forming
- Manufacturing skill sets
- Similar workforce
- Non-destructive testing
- Full metal fabrication with press, laser, shear, welding, etc
- Full engineering support with material test lab metallurgist and production support engineers
- Buildings with the height clearance needed for presses.
- Rock island Arsenal is a totally vertically integrated manufacturing facility that begins with raw material and ends with a finished product. In-house total manufacturing...

9. *Question: The justification cites that closure allows DOD to “generate efficiencies.” Please provide specific data on each efficiency generated by closure.*

Answer:

- Closure of Mississippi (0% utilization rate) and Riverbank (5% utilization rate) and movement of the function to Rock Island (72% utilization rate), generates substantial monetary efficiencies
- Cost efficiencies generated from shared overhead
- Reduction in sustainment cost (\$5.1 million per year)
- Reduction in facility security and force protection cost
- Reduction in cost of product to the customer ↗

10. *Question: The justification cites that closure allows DOD to “nurture partnership with multiple sources in the private sector”. Please provide details for each of the private sources DOD has identified for nurturing. Please indicate whether any of these private sources are capable of producing large caliber deep drawn steel cartridge cases.*

Answer: There is no current source for large caliber deep drawn steel cartridge cases in the private sector. Identification of a private sector partners will be made through a competitive process.

SOLE SOURCE

11. *Question: What assumptions were made to handle tenants currently leasing at the Riverbank facility to help the Army offset the facility maintenance costs?*

Answer: There are 13 ARMS tenants at Riverbank and their leases will expire within the BRAC window (FY 2006- 2011). Tenants may either relocate or become tenants to the new land owner.

TENANTS

12. *Question: Were the costs associated with terminating tenant leases at Riverbank considered? If not, what is the additional cost involved?*

Answer: Costs

14. *Question: What are the current cost structure (such as overhead, G&A, materials, and direct and indirect labor) at Rock Island?*

Answer: Rock Island's cost structure was not part of the IJCSG analysis and is considered competition sensitive.

15. *Question: If Rock Island's cost structure cannot support competitive pricing for cartridge cases, how does DOD plan to meet ammunition requirements in a cost effective manner?*

Answer: Rock Island can support competitive pricing.

16. *Question: Riverbank is designated as a surge facility for M42 and M46 grenade metal parts and is the only plant known to have produced M77 grenade bodies. How was Riverbank's capacity to produce cargo grenade metal bodies evaluated in determining facility utilization? What is DOD plans to move this capability to Rock Island?*

Answer: Based on requirements generated by the Military Departments, the production capacity for Cargo Grenade Metal Parts at Riverbank AAP cannot meet the departments' needs. Riverbank has laid-away capability (for M42/46/77) to produce about 0.9 million cargo grenades per month (on a 1-8-5 basis). Mississippi has laid-away capability (for M42/46) to produce about 4 million per month (on a 1-8-5 basis). Military Department requirements are 2.5-3.0 million per month. DoD's plan is to relocate equipment from both Mississippi and Riverbank to Rock Island and establish one modern cargo grenade facility capable of meeting the requirements of the war-fighter. Cost to move, procure, and install the equipment are included in the Riverbank and Mississippi analysis. There is a technical challenge involved because Cargo Grenades metal parts have not been produced by either Mississippi or Riverbank in many years.

CARGO GRENADE
REQ - 2.5-3.0 Mill/MD
LAY AWAY:
RIV - 0.9 Mill/MD
MISS - 4 Mill/MD
M77 RIV
ONLY SOURCE

17. *Question: DOD has also recommended that the M42 and M46 grenade metal parts capability from Mississippi AAP be relocated to Rock Island.*

Answer: This recommendation does not include new construction at Rock Island. The cost included in the BRAC analysis is for refurbishment of an existing building.

19. *Question: What environmental infrastructure does Rock Island have to treat the discharge from the chemicals utilized in the manufacturing process?*

Answer: Rock Island Arsenal has Industrial Waste Treatment Plant (IWTP) capabilities to treat chemical waste before discharge to the City of Rock Island. This capability includes treatment associated with chrome and zinc plating. In addition, pre-treatment equipment will be moved from Riverbank to Rock Island and augmented with selected new equipment.

20. *Question: Have the additional costs of the operating the new construction as well as the environmental treatment facility been considered in the BRAC evaluation?*

Answer: Yes.

21. *Question: What constitutes the one time cost of \$25.2 million, and what are the assumptions made for each cost element?*

- Answer: The \$25.2 million in one time costs are:
 - \$15,000K to skid, ship and install equipment
 - \$100K to shut off utilities
 - \$1,300K to perform an EIS at Riverbank
 - \$5,000K for new equipment
 - \$2,000K for building refurbishment
 - \$5K for training and TDY
 - \$1,150 for air conformity, new source review, and EIS at Rock Island
 - \$684K for shutdown of 707KSF ← RIVERBANK
- The assumption is to include all costs related to relocation of cartridge case functions from Riverbank to Rock Island Arsenal. Costs include facilitization projects, equipment, and...

ONE TIME COSTS

RIVERBANK

R.I.

- *Question: Proper design of the foundation and pits for heavy machinery such as presses and machining centers?*

- Answer: Yes

- *Question: Metrology, chemical, and metallurgical laboratories?*

- Answer: Yes

23. *Question: In justifying relocation of the cartridge case metal parts capability to Rock Island, did DOD take into account the following factors:*

- *Over \$13 million would be required to procure two major pieces of equipment: an anneal furnace, although currently utilized in production, the furnace is 50 years old and would not be expected to survive the move; an additional 5,000 ton press – because of limited press technical know-how, Rock Island would not likely be able to take advantage of utilizing the lower tonnage press at Riverbank to produce the 155mm advanced Gun System cases?*

- Answer: Yes (used our estimate)

- *Additional \$9 million would be needed to replace the zinc plating and thermal treatment facilities which are not likely to survive the move?*

- Answer: Yes (used our estimate)

- *Were these additional costs in excess of \$20 million considered in the payback calculation?*

- Answer: No. Used our estimates in the payback calculation

27. *Question: Is the one time cost of \$25.2 million included in the calculation of the net cost of \$10.4 million after certain savings are projected?*

Answer: Yes

28. *Question: What are the assumptions made at arriving at a recurring savings of \$6.5 million? Please provide a breakdown of each area of savings?*

Answer: Recurring savings of \$6.5 million are based on no longer having to pay sustainment, BOS, and Civilian salaries.

29. *Question: What is the payback year for DOD's investment in closing Riverbank and relocating the cartridge case line at Rock Island and making it fully operational at a cost competitive level? How does this correlate with the 3-year payback period cited in the report?*

Answer: The payback is 3 years (same as the report).

30. *Question: What is the interest rate used in the payback calculations? What is the basis of this rate? What are the sunk costs considered?*

Answer: The COBRA uses a discount rate (not an interest rate) as outlined in OMB Circular A-94, Appendix C. Appendix C provides the 10-year and 30-year rate. To get the 20 year rate used by COBRA, the guidance is to take an average of the 10 and 30 year rate. Based on the March 2005 circular, the rate is 2.8%. There are no sunk costs in the payback calculations.

31. *Question: Please provide a breakdown of the \$2.5 million for environmental compliance activities and specify by the elements of environmental compliance including, for example, permitting, air, water, and sewer monitoring, equipment, etc. What was the source for this data?*

Island, was the impact on the City's POTW evaluated? If additional pretreatment units are required to meet discharge limitation, were these costs included?

Answer: Yes

COMMENT:

The bulk of metal parts used to support to the current conflict is manufactured by Scranton AAP and Private Industry.

- Deep drawn cartridge cases support ammunition for 105MM Stryker, 5"54 Navy Gun Ammo, 76MM Navy Gun Ammo and the R&D program for the 155MM Advanced Gun System for the Navy's DD(X) program. For the immediate conflict, the 5"54 Navy Gun Ammo and 76MM Navy Gun Ammo are specialty items of relative low volume. The 105MM for the Stryker is still in the decisional phase with only small training requirements out through the 2011. The 155MM Advanced Gun System for the Navy is in the R&D phase. For all of the aforementioned rounds, sufficient rounds can be stockpiled to make it through the transition. .*
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The IJCSG and the Army worked together on the Munitions and Armaments recommendations. Both groups classified the ability to manufacture deep drawn steel cartridge case as a critical capability. The two groups also agreed that the process could be relocated

- Inability to produce the total requirement for Cargo Grenade Metal Parts
- Availability of infrastructure to support the relocation of the deep drawn steel cartridge capability from Riverbank Army Ammunition Plant, CA.
- Assurance that there is time to bring Rock Island on line (4 deep drawn cartridge case commodities are low volume and can be stockpiled)

3. Question: Please provide details by which the military within SRG or Joint Cross Service Group (JCSG) determined whether or not to retain Riverbank in the portfolio.

Answer: The Army in coordination with the Industrial Joint Cross Service Group determined that the capabilities at Riverbank Army Ammunition Plant, CA, could be replicated elsewhere at a reasonable risk and cost.

4. Question: Please identify the two metal part installations under Munitions Production Attributes that were considered as constraints in the MVP evaluation and provide the justification for designating each as a constraint.

Answer: There was a typographical error in Volume III of the DOD Report to the BRAC Commission, Department of the Army Analysis and Recommendations BRAC 2005. Table 7 in Appendix B, page B-12 states 2 of 5 metal parts installations, but should read 1 of 4 metal parts installations.

These installations were Riverbank Army Ammunition Plant, CA; Mississippi Army Ammunition Plant, MI; Louisiana Army Ammunition Plant (removed from the BRAC process, but process and equipment were considered), and Scranton Army Ammunition Plant, PA.

5. Question: We would like to know which agencies completed the Installation Capacity Data Call and the Military Value Data Call for Riverbank. Which audit community determined the accuracy of the source and data? When was the data last updated for the final MVI and MVP results?

Answer: Riverbank Army Ammunition Plant answered both data calls. The Army Audit Agency

Munitions storage, demil, maintenance, production and Armaments manufacturing/production are inter-related processes that focus on support to the war-fighter. To make sure DOD sizes the industrial base appropriately, the support to the IJCSG included input from a cadre of 309 individuals. Throughout the entire BRAC process, the IJCSG relied upon the following SMEs: Under Secretary of Defense, the Commanding General of the Army Field Support Command and Joint Munitions Command (AFSC/JMC), Senior Executive Service (SES)(Army, Navy, Air Force, and Marine Corps), Rear Admiral from the Navy, General from the Marine Corp, General from the Air Force, IJCSG team (36 participants from the AFSC, JMC, AMCOM, CECOM, AMC, Navy, Air Force, Marine Corps, DODIG, DLA, OSD, DA and GAO). After development of the recommendations, a final review and approval was made by SMEs from the Secretary of the Military Departments (Army, Navy, and Air Force). The focus of the analysis was an industrial base in support of the total life cycle (except RDT&E) of munitions and armaments processes. The goal of the analysis was to improve the industrial base and increase DOD's ability to support readiness.