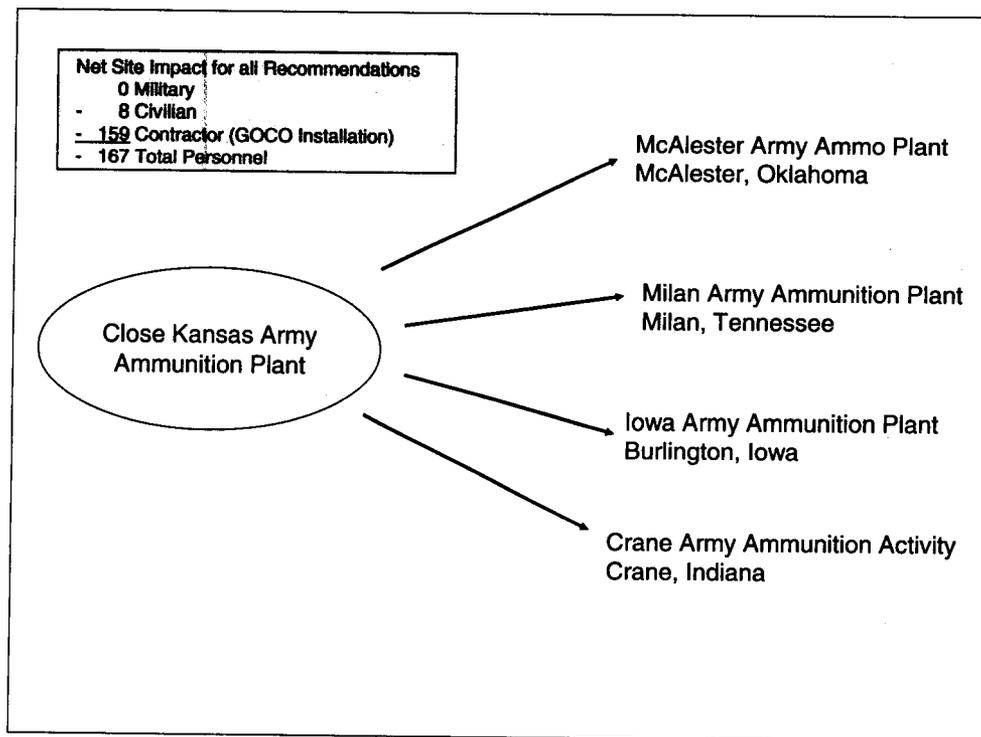




J&CS - Industrial Recommendations	Base Name	Comments
Riverbank Army Ammunition Plant		One source, small quantities
Rock Island Arsenal		
<b>Sierra Army Depot, CA</b>		
Crane Army Ammunition Activity		
McAlester Army Ammunition Plant		
Sierra Army Depot		California stopped demiling of munitions
Tooele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



### **Kansas Army Ammunition Plant, KS**

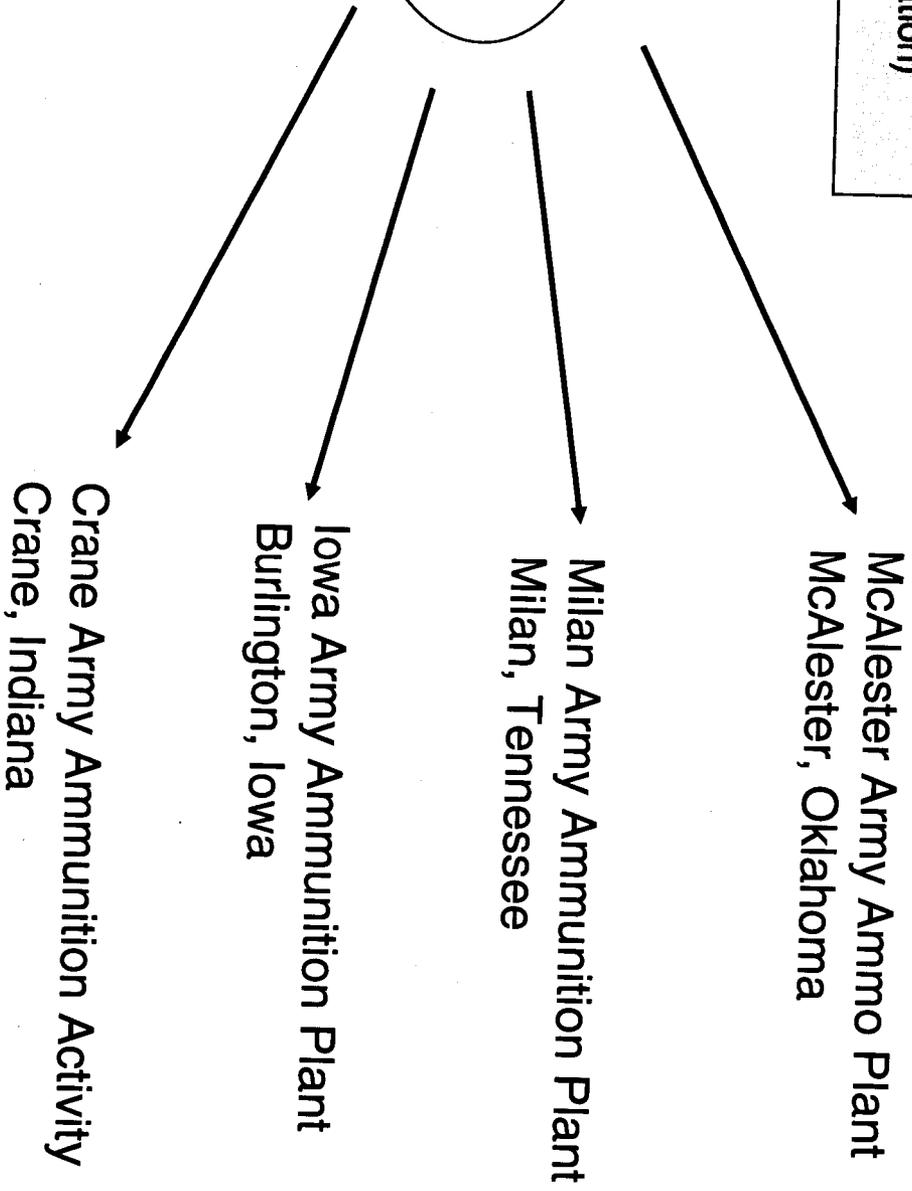
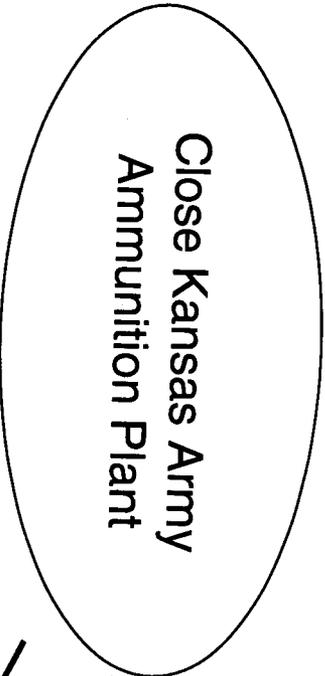
**Recommendation:** Close Kansas Army Ammunition Plant (AAP), KS.

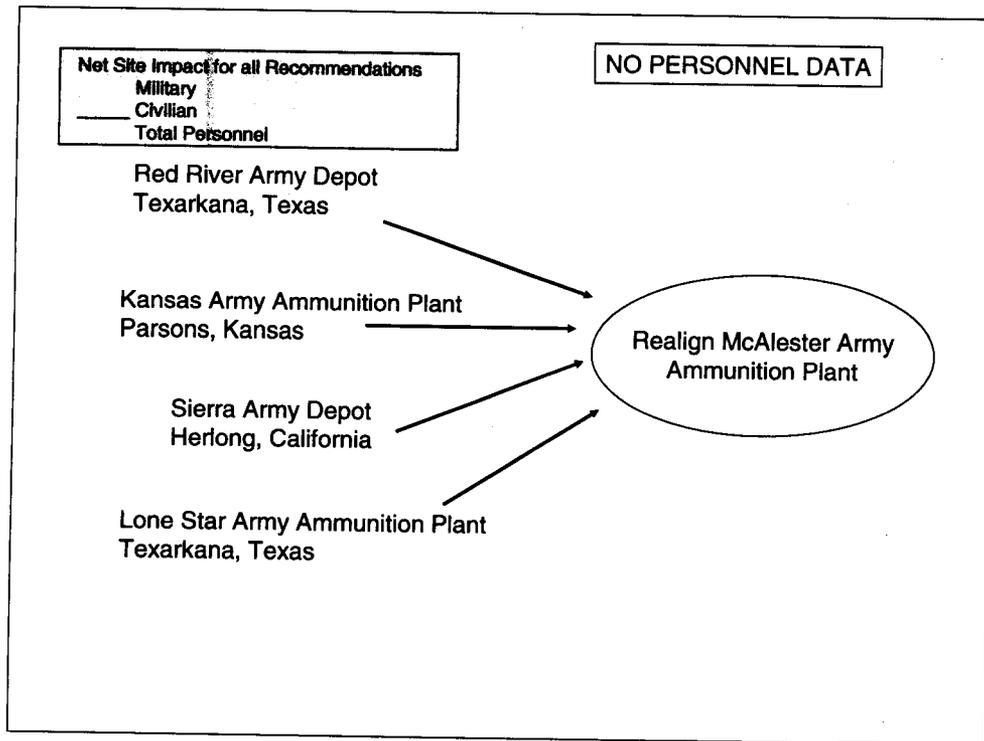
- Relocate Sensor Fuzed Weapon/Cluster Bomb function and Missile warhead production to McAlester AAP, OK;
- 155MM ICM Artillery and 60MM, 81MM, and 120MM Mortar functions to Milan, TN;
- 105MM HE, 155MM HE, and Missile Warhead functions to Iowa AAP, IA;
- Detonators/relays/delays to Crane Army Ammunition Activity, IN.

**Justification:**

- Capacity and capability for Artillery, Mortars, Missiles, and Pyro/Demo exists at numerous munitions sites.
- There are 8 sites producing Artillery, 5 producing Mortars, 9 producing Pyro/Demo, and 13 performing Demilitarization.
- To reduce redundancy and remove excess from the Industrial Base, the closure allows DoD to create centers of excellence, avoid single point failure, and generate efficiencies.

**Net Site Impact for all Recommendations**  
0 Military  
- 8 Civilian  
- 159 Contractor (GOOCO Installation)  
- 167 Total Personnel





- Close Red River Army Depot, TX.
  - Relocate the storage and demilitarization functions of the Munitions Center to McAlester Army Ammunition Plant, OK.
  - Relocate the munitions maintenance functions of the Munitions Center to McAlester Army Ammunition Plant, OK, and Blue Grass Army Depot, KY.
- Close Kansas Army Ammunition Plant (AAP), KS. Relocate Sensor Fuzed Weapon/Cluster Bomb function and Missile warhead production to McAlester AAP, OK
- Realign Sierra Army Depot, CA. Relocate Demilitarization to Crane Army Ammunition Activity, IN, and McAlester Army Ammunition Plant, OK.
- Close Lone Star Army Ammunition Plant (AAP), TX. Relocate the Storage and Demilitarization functions to McAlester AAP.

**Net Site Impact for all Recommendations**

\_\_\_\_ Military  
\_\_\_\_ Civilian  
\_\_\_\_ Total Personnel

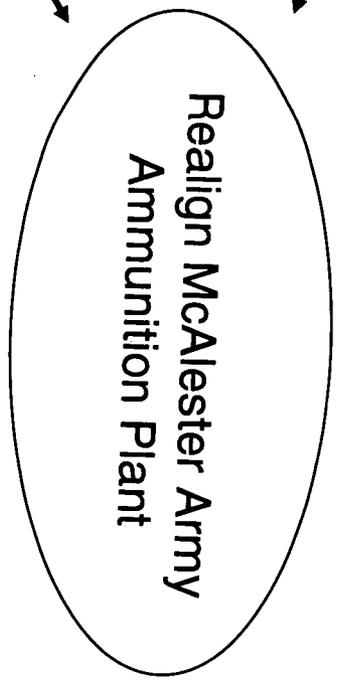
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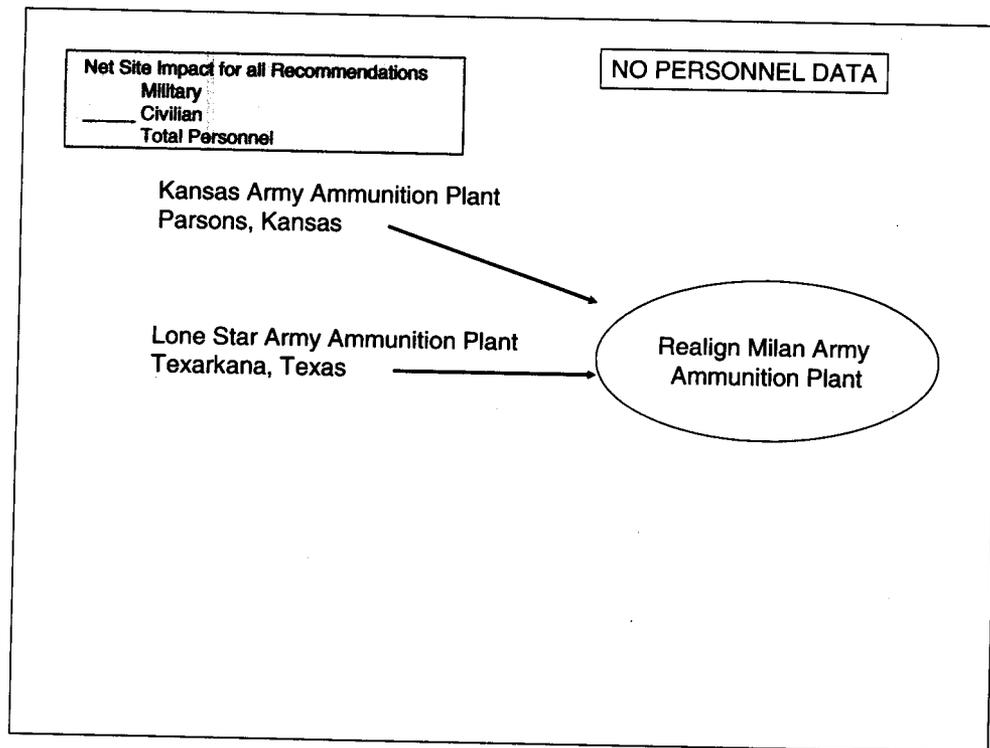
**Red River Army Depot  
Texarkana, Texas**

**Kansas Army Ammunition Plant  
Parsons, Kansas**

**Sierra Army Depot  
Herlong, California**

**Lone Star Army Ammunition Plant  
Texarkana, Texas**





- Close Kansas Army Ammunition Plant (AAP), KS. Relocate 155MM ICM Artillery and 60MM, 81MM, and 120MM Mortar functions to Milan, TN
- Close Lone Star Army Ammunition Plant (AAP), TX. Relocate the 105MM and 155MM ICM Artillery, MLRS Artillery, Hand Grenades, 60MM and 81MM Mortars functions to Milan AAP, TN.

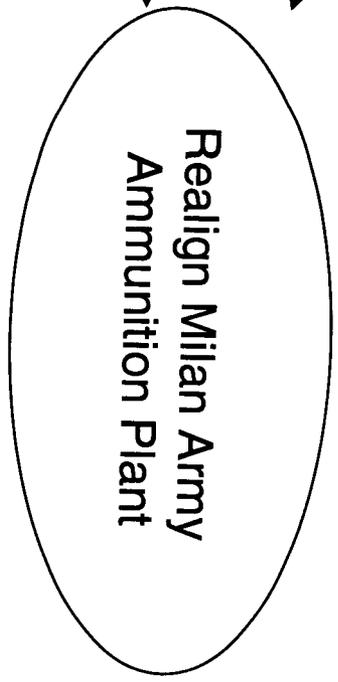
**Net Site Impact for all Recommendations**

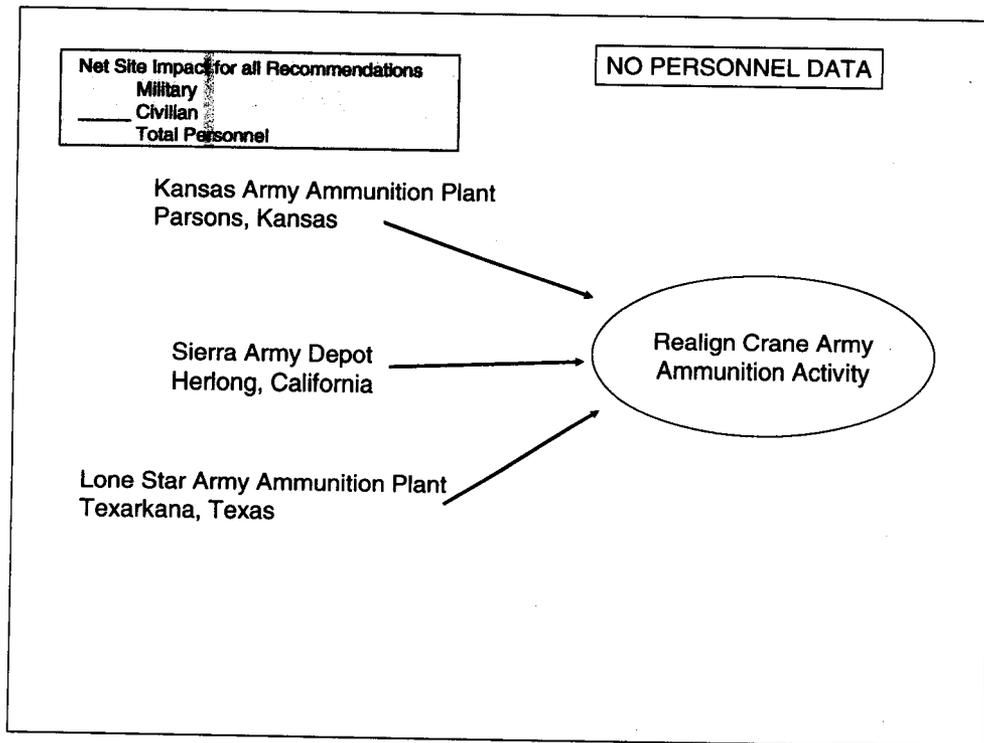
\_\_\_\_ Military  
\_\_\_\_ Civilian  
\_\_\_\_ Total Personnel

**NO PERSONNEL DATA**

Kansas Army Ammunition Plant  
Parsons, Kansas

Lone Star Army Ammunition Plant  
Texarkana, Texas





- Close Kansas Army Ammunition Plant (AAP), KS. Relocate Detonators/relays/delays to Crane Army Ammunition Activity, IN.

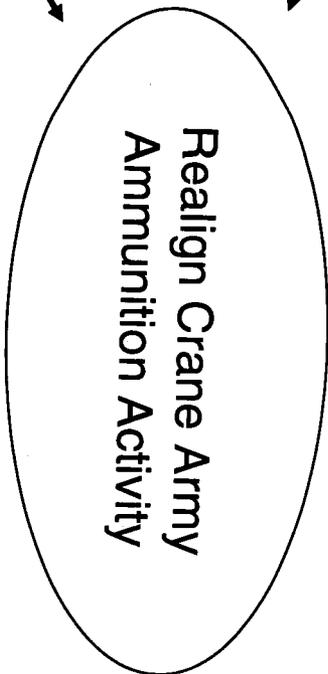
Net Site Impact for all Recommendations  
Military  
Civilian  
Total Personnel

NO PERSONNEL DATA

Kansas Army Ammunition Plant  
Parsons, Kansas

Sierra Army Depot  
Herlong, California

Lone Star Army Ammunition Plant  
Texarkana, Texas



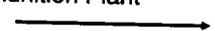
Net Site Impact for all Recommendations  
Military  
Civilian  
Total Personnel

NO PERSONNEL DATA

Kansas Army Ammunition Plant  
Parsons, Kansas

Lone Star Army Ammunition Plant  
Texarkana, Texas

Realign Iowa  
Army Ammunition Plant

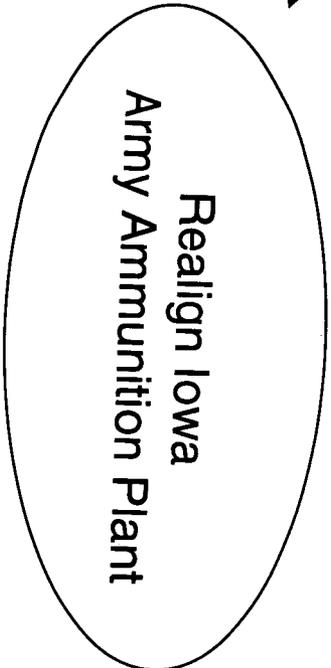


Net Site Impact for all Recommendations  
Military \_\_\_\_\_  
Civilian \_\_\_\_\_  
Total Personnel \_\_\_\_\_

NO PERSONNEL DATA

Kansas Army Ammunition Plant  
Parsons, Kansas

Lone Star Army Ammunition Plant  
Texarkana, Texas



**Environmental Impact:** Continued management and/or deed restrictions will be necessary to ensure future protection of the Federally listed species. Restoration, monitoring, access control, and deed restrictions may be required for former waste management areas to prevent disturbance, health and safety risks, and/or long term release of toxins to environmental media. Restoration and monitoring of contaminated sites will likely be required after closure to prevent significant long-term impacts to the environment. This recommendation has no impact on air quality; cultural, archeological, or tribal resources; dredging; marine mammals, resources, or sanctuaries; noise; waste management; water resources; or wetlands. This recommendation will require spending approximately \$1.3M for environmental compliance activities. This cost was included in the payback calculation. Newport Chemical Depot reports approximately \$1.2M 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.

#### **Kansas Army Ammunition Plant, KS**

**Recommendation:** Close Kansas Army Ammunition Plant (AAP), KS. Relocate Sensor Fuzed Weapon/Cluster Bomb function and Missile warhead production to McAlester AAP, OK; 155MM ICM Artillery and 60MM, 81MM, and 120MM Mortar functions to Milan, TN; 105MM HE, 155MM HE, and Missile Warhead functions to Iowa AAP, IA; and Detonators/relays/delays to Crane Army Ammunition Activity, IN.

**Justification:** Capacity and capability for Artillery, Mortars, Missiles, and Pyro/Demo exists at numerous munitions sites. There are 8 sites producing Artillery, 5 producing Mortars, 9 producing Pyro/Demo, and 13 performing Demilitarization. To reduce redundancy and remove excess from the Industrial Base, the closure allows DoD to create centers of excellence, avoid single point failure, and generate efficiencies.

**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 savings of \$2.1M. Annual recurring savings to the Department after implementation are \$10.3M with a payback expected within 2 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$101.4M.

**Economic Impact on Communities:** Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 276 jobs (167 direct jobs and 109 indirect jobs) over the period 2006-2011 in the Parsons, KS Micropolitan Statistical Area, which is 1.8 percent of the economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

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

**Environmental Impact:** This recommendation has possible water resources impact at McAlester and Crane. Significant mitigation measures must be taken to limit releases into waterway. This recommendation has potential impact on air quality at Crane AAA. Crane AAA may need upgrades to industrial wastewater treatment to handle additional lead wastes. Kansas AAP has domestic and industrial wastewater treatments plants that may require closure. This recommendation has no impact on dredging; marine mammals, resources, or sanctuaries; noise; threatened and endangered species or critical habitat; waste management; water resources; or wetlands. This recommendation will require spending approximately \$5.2M for environmental compliance activities. This cost was included in the payback calculation. Kansas reports approximately \$33.2M 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.

### **Lima Tank Plant, OH**

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

**Justification:** Capacity and capability for armored combat vehicles exists at three sites with little redundancy among the sites. The acquisition strategy for the Army Future Combat System (FCS) and Marine Corps Expeditionary Force Vehicle includes the manufacturing of manned vehicle chassis at Lima Army Tank Plant. The impact of establishing this capability elsewhere would hinder the Department's ability to meet the USA and USMC future production schedule. This recommendation to retain only the portion of Lima Army Tank Plant required to support the FCS, EFV, and M1 tank recap, reduces the footprint. This allows the Department of Defense to remove excess from the Industrial Base, create centers of excellence, avoid single point failure, and generate efficiencies within the manufacture and maintenance of combat vehicles.

**Payback:** The total estimated one-time cost to the Department of Defense to implement this recommendation is \$0.2M. The net of all savings to the Department during the implementation period is a savings of \$5.9M. Annual recurring savings to the Department after implementation are \$1.7M with payback expected immediately. The net present value of the costs and savings to the Department over 20 years is a savings of \$22.3M.



# IJCSG - Munitions / Armaments Capacity Report

Function	Site	Current Capacity*	Current Usage*	Maximum Capacity*	Capacity Required To Surge*	Capacity Available to Surge/Excess Capacity*
<b>MUNITIONS DEMILITARIZATION</b>						
	ANNISTON ARMY DEPOT	23,670.0	2,281.0	23,670.0	0	21,389.0
	BLUE GRASS ARMY DEPOT	10,608.9	971.3	13,060.6	0	12,089.3
	CRANE ARMY AMMUNITION ACTIVITY	6,302.7	2,861.6	6,850.7	0	3,989.1
	HAWTHORNE ARMY DEPOT	38,049.2	0.0	38,049.2	0	38,049.2
	IOWA AAP	749.2	730.2	749.2	0	19.0
	KANSAS ARMY AMMUNITION PLANT	376.0	7.0	393.0	0	386.0
	LAKE CITY AAP	182.0	161.0	243.0	0	82.0
	LETTERKENNY ARMY DEPOT	3,957.3	491.7	7,522.9	0	7,031.2
	LONE STAR AAP	1,178.0	758.3	2,142.6	0	1,384.3
	MCALESTER AAP	11,551.0	788.0	11,551.0	0	10,763.0
	PINE BLUFF ARSENAL	12.0	0.4	10.6	0	10.2
	RED RIVER ARMY DEPOT	6,798.5	224.4	8,158.2	0	7,933.8
	TOOELE ARMY DEPOT	11,416.0	584.2	51,388.0	0	50,803.8

\* Capacity is measured in short tons

Report Date: Thursday, April 21, 2005  
 Database Date: April 18, 2005

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# *IJCSG Summary Military Value Report for Munitions*

*Activity:*

*Score:*

*Demilitarization*

HAWTHORNE ARMY DEPOT	0.8181
TOOELE ARMY DEPOT	0.7257
MCALESTER AAP	0.6995
LETTERKENNY ARMY DEPOT	0.4704
BLUE GRASS ARMY DEPOT	0.3104
CRANE ARMY AMMUNITION ACTIVITY	0.2971
RED RIVER ARMY DEPOT	0.1671
IOWA AAP	0.1420
ANNISTON ARMY DEPOT	0.1205

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## *IJCSG Summary Military Value Report for Munitions*

<i>Activity:</i>	<i>Score:</i>
PINE BLUFF ARSENAL	0.0078
KANSAS ARMY AMMUNITION PLANT	0.0074
LONE STAR AAP	0.0071
LAKE CITY AAP	0.0006

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# *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
PINE BLUFF ARSENAL	0.1911
HOLSTON AAP	0.1493

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# *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

# IJCSG - Munitions / Armaments Capacity Report

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

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

# IJCSG - Munitions / Armaments Capacity Report

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

\* Capacity is measured in ksf

Report Date: Thursday, April 21, 2005  
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# IJCSG - Munitions / Armaments Capacity Report

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

\* Capacity is measured in ksf

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# *IJCSG Summary Military Value Report for Munitions*

*Activity:*

*Score:*

## *Storage and Distribution*

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

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## *IJCSG Summary Military Value Report for Munitions*

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

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COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2  
 Data As Of 5/4/2005 10:27:56 AM, Report Created 5/4/2005 10:28:00 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Starting Year : 2006  
 Final Year : 2009  
 Payback Year : 2011 (2 Years)

NPV in 2025(\$K): -101,436  
 1-Time Cost(\$K): 25,149

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	-68	-532	-532	-1,132	-532
Overhd	264	198	149	-8,183	-8,653	-8,653	-24,878	-9,747
Moving	0	0	0	71	0	0	71	0
Missio	0	0	0	0	0	0	0	0
Other	0	17,950	0	5,850	0	0	23,800	0
<b>TOTAL</b>	<b>264</b>	<b>18,148</b>	<b>149</b>	<b>-2,330</b>	<b>-9,185</b>	<b>-9,185</b>	<b>-2,140</b>	<b>-10,279</b>
	2006	2007	2008	2009	2010	2011	Total	
	----	----	----	----	----	----	----	
<b>POSITIONS ELIMINATED</b>								
Off	0	0	0	0	0	0	0	
Enl	0	0	0	0	0	0	0	
Civ	0	0	0	8	0	0	8	
TOT	0	0	0	8	0	0	8	
<b>POSITIONS REALIGNED</b>								
Off	0	0	0	0	0	0	0	
Enl	0	0	0	0	0	0	0	
Stu	0	0	0	0	0	0	0	
Civ	0	0	0	0	0	0	0	
TOT	0	0	0	0	0	0	0	

Summary:

-----  
 Close Kansas Army Ammunition Plant, KS. Relocate Sensor Fuzed Weapon/Cluster Bomb function and Missile warhead production to McAlester AAP, OK; 155mm ICM Artillery and 60MM, 81MM, and 120MM Mortar functions to Milan, TN; 105MM HE, 155MM HE, and Missile Warhead functions to Iowa AAP, IA; Detonators/relays/delays to Crane, AAA, IN.

NOTE: Pine Bluff was in the scenario to receive storage from Kansas. The storage reported by Kansas was production stock only, not end item serviceable stock.

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 2/2  
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Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\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	197	0	0	197	0
Overhd	6,486	6,420	6,370	6,692	6,222	6,222	38,413	6,222
Moving	0	0	0	71	0	0	71	0
Missio	0	0	0	0	0	0	0	0
Other	0	17,950	0	5,850	0	0	23,800	0
<b>TOTAL</b>	<b>6,486</b>	<b>24,370</b>	<b>6,370</b>	<b>12,811</b>	<b>6,222</b>	<b>6,222</b>	<b>62,481</b>	<b>6,222</b>

Savings in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	-----	-----
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	266	532	532	1,330	532
Overhd	6,222	6,222	6,222	14,875	14,875	14,875	63,291	15,969
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>6,222</b>	<b>6,222</b>	<b>6,222</b>	<b>15,141</b>	<b>15,407</b>	<b>15,407</b>	<b>64,621</b>	<b>16,501</b>

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10)  
 Data As Of 5/4/2005 10:27:56 AM, Report Created 5/4/2005 10:27:59 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base	Personnel			
	Start*	Finish*	Change	%Change
KANSAS AAP	8	0	-8	-100%
MCALESTER	1,314	1,314	0	0%
MILAN AAP	25	25	0	0%
CRANE AAP	486	486	0	0%
IOWA AAP	31	31	0	0%
TOTAL	1,864	1,856	-8	0%

Base	Square Footage				
	Start	Finish	Change	%Change	Chg/Per
KANSAS AAP	1,995,000	0	-1,995,000	-100%	249,375
MCALESTER	9,677,000	9,677,000	0	0%	0
MILAN AAP	3,548,000	3,548,000	0	0%	0
CRANE AAP	7,199,000	7,199,000	0	0%	0
IOWA AAP	4,054,000	4,054,000	0	0%	0
TOTAL	26,473,000	24,478,000	-1,995,000	-8%	249,375

Base	Base Operations Support (2005\$)				
	Start*	Finish*	Change	%Change	Chg/Per
KANSAS AAP	2,454,266	0	-2,454,266	-100%	306,783
MCALESTER	23,613,891	23,613,891	0	0%	0
MILAN AAP	8,340,018	8,340,018	0	0%	0
CRANE AAP	15,821,992	15,821,992	0	0%	0
IOWA AAP	8,058,335	8,058,335	0	0%	0
TOTAL	58,288,502	55,834,236	-2,454,266	-4%	306,783

Base	Sustainment (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
KANSAS AAP	7,293,634	0	-7,293,634	-100%	911,704
MCALESTER	21,594,562	21,594,562	0	0%	0
MILAN AAP	10,457,679	10,457,679	0	0%	0
CRANE AAP	15,474,275	15,474,275	0	0%	0
IOWA AAP	14,105,237	14,105,237	0	0%	0
TOTAL	68,925,387	61,631,753	-7,293,634	-11%	911,704

Base	Recapitalization (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
KANSAS AAP	6,221,616	0	-6,221,616	-100%	777,702
MCALESTER	24,238,791	24,238,791	0	0%	0
MILAN AAP	10,747,237	10,747,237	0	0%	0
CRANE AAP	19,710,851	19,710,851	0	0%	0
IOWA AAP	12,359,618	12,359,618	0	0%	0
TOTAL	73,278,114	67,056,498	-6,221,616	-8%	777,702

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
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Base	Sustain + Recap + BOS (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
KANSAS AAP	15,969,516	0	-15,969,516	-100%	1,996,189
MCALESTER	69,447,244	69,447,244	0	0%	0
MILAN AAP	29,544,934	29,544,934	0	0%	0
CRANE AAP	51,007,119	51,007,119	0	0%	0
IOWA AAP	34,523,190	34,523,190	0	0%	0
TOTAL	200,492,003	184,522,487	-15,969,516	-8%	1,996,189

Base	Plant Replacement Value (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
KANSAS AAP	640,826,433	0	-640,826,433	-100%	80,103,304
MCALESTER	2,496,595,519	2,496,595,519	0	0%	0
MILAN AAP	1,106,965,374	1,106,965,374	0	0%	0
CRANE AAP	2,030,217,695	2,030,217,695	0	0%	0
IOWA AAP	1,273,040,715	1,273,040,715	0	0%	0
TOTAL	7,547,645,736	6,906,819,303	-640,826,433	-8%	80,103,304

\* "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 1/18  
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Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

ONE-TIME COSTS -----(\$K)-----	2006 ----	2007 ----	2008 ----	2009 ----	2010 ----	2011 ----	Total -----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	0	0	172	0	0	172
Civ Retire	0	0	0	12	0	0	12
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	71	0	0	71
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	13	0	0	13
OTHER							
Info Tech	0	0	0	0	0	0	0
Prog Manage	264	198	148	111	0	0	722
Supt Contract	0	0	0	0	0	0	0
Mothball	0	0	0	359	0	0	359
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	1,300	0	4,150	0	0	5,450
Misc Contract	0	0	0	0	0	0	0
1-Time Other	0	16,650	0	1,700	0	0	18,350
TOTAL ONE-TIME	264	18,148	148	6,589	0	0	25,149

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 2/18  
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Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

RECURRINGCOSTS -----(\$K)-----	2006 ----	2007 ----	2008 ----	2009 ----	2010 ----	2011 ----	Total -----	Beyond -----
<b>O&amp;M</b>								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
<b>OTHER</b>								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	6,222	6,222	6,222	6,222	6,222	6,222	37,332	6,222
<b>TOTAL RECUR</b>	<b>6,222</b>	<b>6,222</b>	<b>6,222</b>	<b>6,222</b>	<b>6,222</b>	<b>6,222</b>	<b>37,332</b>	<b>6,222</b>
<b>TOTAL COST</b>	<b>6,486</b>	<b>24,370</b>	<b>6,370</b>	<b>12,811</b>	<b>6,222</b>	<b>6,222</b>	<b>62,481</b>	<b>6,222</b>
<b>ONE-TIME SAVES</b>								
-----(\$K)-----	2006 ----	2007 ----	2008 ----	2009 ----	2010 ----	2011 ----	Total -----	Beyond -----
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
1-Time Move	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	0	0	0	0	0
<b>OTHER</b>								
Environmental	0	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0	0
<b>TOTAL ONE-TIME</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>RECURRINGSAVES</b>								
-----(\$K)-----	2006 ----	2007 ----	2008 ----	2009 ----	2010 ----	2011 ----	Total -----	Beyond -----
<b>FAM HOUSE OPS</b>								
O&M	0	0	0	0	0	0	0	0
Sustainment	0	0	0	6,199	6,199	6,199	18,599	7,294
Recap	6,222	6,222	6,222	6,222	6,222	6,222	37,330	6,222
BOS	0	0	0	2,454	2,454	2,454	7,363	2,454
Civ Salary	0	0	0	266	532	532	1,330	532
<b>MIL PERSONNEL</b>								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
<b>TOTAL RECUR</b>	<b>6,222</b>	<b>6,222</b>	<b>6,222</b>	<b>15,141</b>	<b>15,407</b>	<b>15,407</b>	<b>64,621</b>	<b>16,501</b>
<b>TOTAL SAVINGS</b>	<b>6,222</b>	<b>6,222</b>	<b>6,222</b>	<b>15,141</b>	<b>15,407</b>	<b>15,407</b>	<b>64,621</b>	<b>16,501</b>

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 3/18  
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Department : Industrial  
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 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

ONE-TIME NET -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
Civ Retir/RIF	0	0	0	184	0	0	184	
Civ Moving	0	0	0	71	0	0	71	
Info Tech	0	0	0	0	0	0	0	
Other	264	198	148	484	0	0	1,094	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	1,300	0	4,150	0	0	5,450	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	16,650	0	1,700	0	0	18,350	
TOTAL ONE-TIME	264	18,148	148	6,589	0	0	19,699	
RECURRING NET -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	-6,199	-6,199	-6,199	-18,599	-7,294
Recap	-6,222	-6,222	-6,222	-6,222	-6,222	-6,222	-37,330	-6,222
BOS	0	0	0	-2,454	-2,454	-2,454	-7,363	-2,454
Civ Salary	0	0	0	-266	-532	-532	-1,330	-532
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	6,222	6,222	6,222	6,222	6,222	6,222	37,332	6,222
TOTAL RECUR	0	0	0	-8,919	-9,185	-9,185	-27,289	-10,279
TOTAL NET COST	264	18,148	149	-2,330	-9,185	-9,185	-2,140	-10,279

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 4/18  
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Department : Industrial  
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 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: KANSAS AAP, KS (20450)

ONE-TIME COSTS -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	172	0	0	172
Civ Retire	0	0	0	12	0	0	12
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	71	0	0	71
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	13	0	0	13
OTHER							
Info Tech	0	0	0	0	0	0	0
Prog Manage	264	198	148	111	0	0	722
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	359	0	0	359
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	1,300	0	0	0	0	1,300
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	50	0	1,700	0	0	1,750
TOTAL ONE-TIME	264	1,548	148	2,439	0	0	4,399

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 5/18  
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 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: KANSAS AAP, KS (20450)

RECURRINGCOSTS -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	6,222	6,222	6,222	6,222	6,222	6,222	37,332	6,222
TOTAL RECUR	6,222	6,222	6,222	6,222	6,222	6,222	37,332	6,222
TOTAL COSTS	6,486	7,770	6,370	8,661	6,222	6,222	41,731	6,222
ONE-TIME SAVES -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	0
O&M								
1-Time Move	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	0
OTHER								
Environmental	0	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	0	0	0	0	0	0	0
RECURRINGSAVES -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	6,199	6,199	6,199	18,599	7,294
Recap	6,222	6,222	6,222	6,222	6,222	6,222	37,330	6,222
BOS	0	0	0	2,454	2,454	2,454	7,363	2,454
Civ Salary	0	0	0	266	532	532	1,330	532
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	6,222	6,222	6,222	15,141	15,407	15,407	64,621	16,501
TOTAL SAVINGS	6,222	6,222	6,222	15,141	15,407	15,407	64,621	16,501

Department : Industrial  
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 Option Pkg Name: IND 0106 Close Kansas AAP  
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Base: KANSAS AAP, KS (20450)								
ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	-----
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	
<b>O&amp;M</b>								
Civ Retir/RIF	0	0	0	184	0	0	184	
Civ Moving	0	0	0	71	0	0	71	
Info Tech	0	0	0	0	0	0	0	
Other	264	198	148	484	0	0	1,094	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	0	0	0	0	
<b>OTHER</b>								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	1,300	0	0	0	0	1,300	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	50	0	1,700	0	0	1,750	
<b>TOTAL ONE-TIME</b>	<b>264</b>	<b>1,548</b>	<b>148</b>	<b>2,439</b>	<b>0</b>	<b>0</b>	<b>4,399</b>	
<b>RECURRING NET</b>								
-----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
-----	----	----	----	----	----	----	-----	-----
<b>FAM HOUSE OPS</b>								
O&M	0	0	0	0	0	0	0	0
Sustainment	0	0	0	-6,199	-6,199	-6,199	-18,599	-7,294
Recap	-6,222	-6,222	-6,222	-6,222	-6,222	-6,222	-37,330	-6,222
BOS	0	0	0	-2,454	-2,454	-2,454	-7,363	-2,454
Civ Salary	0	0	0	-266	-532	-532	-1,330	-532
TRICARE	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	6,222	6,222	6,222	6,222	6,222	6,222	37,332	6,222
<b>TOTAL RECUR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-8,919</b>	<b>-9,185</b>	<b>-9,185</b>	<b>-27,289</b>	<b>-10,279</b>
<b>TOTAL NET COST</b>	<b>264</b>	<b>1,548</b>	<b>149</b>	<b>-6,480</b>	<b>-9,185</b>	<b>-9,185</b>	<b>-22,890</b>	<b>-10,279</b>

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 7/18  
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Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MCALESTER, OK (40549)							
ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	----	----	----	----	----	----	-----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPP	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Info Tech	0	0	0	0	0	0	0
Prog Manage	0	0	0	0	0	0	0
Supt Contract	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	1,000	0	0	1,000
Misc Contract	0	0	0	0	0	0	0
1-Time Other	0	675	0	0	0	0	675
TOTAL ONE-TIME	0	675	0	1,000	0	0	1,675



Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MCALESTER, OK (40549)

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	0	0	1,000	0	0	1,000	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	675	0	0	0	0	675	
TOTAL ONE-TIME	0	675	0	1,000	0	0	1,675	
RECURRING NET								
-----(\$K)-----	---- <th>2007</th> <th>2008</th> <th>2009</th> <th>2010</th> <th>2011</th> <th>Total</th> <th>Beyond</th>	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
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	675	0	1,000	0	0	1,675	0

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 10/18  
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Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcaldewood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MILAN AAP, TN (47579)

ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	----	----	----	----	----	----	-----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPP	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Info Tech	0	0	0	0	0	0	0
Prog Manage	0	0	0	0	0	0	0
Supt Contract	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	1,000	0	0	1,000
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	805	0	0	0	0	805
TOTAL ONE-TIME	0	805	0	1,000	0	0	1,805



COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 12/18  
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Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MILAN AAP, TN (47579)

ONE-TIME NET -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
Civ Retir/RIF	0	0	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Info Tech	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	1,000	0	0	1,000	
Misc Contract	0	0	0	0	0	0	0	
1-Time Other	0	805	0	0	0	0	805	
TOTAL ONE-TIME	0	805	0	1,000	0	0	1,805	
RECURRING NET -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL NET COST	0	805	0	1,000	0	0	1,805	0

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: CRANE AAP, IN (18174)	2006	2007	2008	2009	2010	2011	Total
ONE-TIME COSTS	-----	-----	-----	-----	-----	-----	-----
----- (\$K) -----							
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPP	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Info Tech	0	0	0	0	0	0	0
Prog Manage	0	0	0	0	0	0	0
Supt Contract	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	1,150	0	0	1,150
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	15,050	0	0	0	0	15,050
TOTAL ONE-TIME	0	15,050	0	1,150	0	0	16,200



Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: CRANE AAP, IN (18174)								
ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	
<b>O&amp;M</b>								
Civ Retir/RIF	0	0	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Info Tech	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	0	0	0	0	
<b>OTHER</b>								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	1,150	0	0	1,150	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	15,050	0	0	0	0	15,050	
<b>TOTAL ONE-TIME</b>	<b>0</b>	<b>15,050</b>	<b>0</b>	<b>1,150</b>	<b>0</b>	<b>0</b>	<b>16,200</b>	
<b>RECURRING NET</b>								
-----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
<b>TOTAL RECUR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL NET COST</b>	<b>0</b>	<b>15,050</b>	<b>0</b>	<b>1,150</b>	<b>0</b>	<b>0</b>	<b>16,200</b>	<b>0</b>

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcaldewood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: IOWA AAP, IA (19422)

ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
----- (\$K) -----	----	----	----	----	----	----	-----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPP	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Info Tech	0	0	0	0	0	0	0
Prog Manage	0	0	0	0	0	0	0
Supt Contract	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	1,000	0	0	1,000
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	70	0	0	0	0	70
TOTAL ONE-TIME	0	70	0	1,000	0	0	1,070



Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcaldewood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: IOWA AAP, IA (19422)

ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	
<b>O&amp;M</b>								
Civ Retir/RIF	0	0	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Info Tech	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	0	0	0	0	
<b>OTHER</b>								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	1,000	0	0	1,000	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	70	0	0	0	0	70	
<b>TOTAL ONE-TIME</b>	<b>0</b>	<b>70</b>	<b>0</b>	<b>1,000</b>	<b>0</b>	<b>0</b>	<b>1,070</b>	
<b>RECURRING NET</b>								
-----(\$K)-----	---- <th>2007</th> <th>2008</th> <th>2009</th> <th>2010</th> <th>2011</th> <th>Total</th> <th>Beyond</th>	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
<b>TOTAL RECUR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL NET COST</b>	<b>0</b>	<b>70</b>	<b>0</b>	<b>1,000</b>	<b>0</b>	<b>0</b>	<b>1,070</b>	<b>0</b>

COBRA ECONOMIC IMPACT REPORT (COBRA v6.10)

Data As Of 5/4/2005 10:27:56 AM, Report Created 5/4/2005 10:27:59 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

KANSAS AAP, KS (20450)

	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	8	0	0	8
NET CHANGE-Civ	0	0	0	-8	0	0	-8
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

MCALESTER, OK (40549)

	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

MILAN AAP, TN (47579)

	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

CRANE AAP, IN (18174)

	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

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
Option Pkg Name: IND 0106 Close Kansas AAP  
Std Fctrs File : C:\Documents and Settings\dcaldерwood\Desktop\COBRA 6.10\BRAC2005.SFF

IOWA AAP, IA (19422)

	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 5/4/2005 10:27:56 AM, Report Created 5/4/2005 10:27:59 AM

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
Option Pkg Name: IND 0106 Close Kansas AAP  
Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

SCENARIO DATA:

"Industrial" is not a recognized Department.

COBRA INPUT DATA REPORT (COBRA v6.10)  
 Data As Of 5/4/2005 10:27:56 AM, Report Created 5/4/2005 10:27:59 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\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:
-----	-----
KANSAS AAP, KS (20450)	Closes in FY 2009
MCALESTER, OK (40549)	Realignment
MILAN AAP, TN (47579)	Realignment
CRANE AAP, IN (18174)	Realignment
IOWA AAP, IA (19422)	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: KANSAS AAP, KS (20450)

Total Officer Employees:	0	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	0	Total Sustainment (\$K/Year):	7,294
Total Student Employees:	0	Sustain Payroll (\$K/Year):	0
Total Civilian Employees:	8	BOS Non-Payroll (\$K/Year):	2,454
Accomp Mil not Receiving BAH:	0.0%	BOS Payroll (\$K/Year):	185
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	0
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	640,826
Starting Facilities(KSF):	1,995	Svc/Agcy Recap Rate (Years):	103
Officer BAH (\$/Month):	872	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	660		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	1.01		Admits Visits Prescrip
Per Diem Rate (\$/Day):	86	CostFactor	0.00 0.00 0.00
Freight Cost (\$/Ton/Mile):	0.33	Actv MTF	0 0 0
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	0 0 0
Latitude:	37.340278	Retiree	0 0 0
Longitude:	-95.260833	Retiree65+	0 0 0

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: MCALESTER, OK (40549)

Total Officer Employees:	3	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	33	Total Sustainment (\$K/Year):	21,594
Total Student Employees:	34	Sustain Payroll (\$K/Year):	0
Total Civilian Employees:	1,308	BOS Non-Payroll (\$K/Year):	23,744
Accomp Mil not Receiving BAH:	7.3%	BOS Payroll (\$K/Year):	20,023
Officer Housing Units Avail:	1	Family Housing (\$K/Year):	60
Enlisted Housing Units Avail:	3	Installation PRV(\$K):	2,496,595
Starting Facilities(KSF):	9,677	Svc/Agcy Recap Rate (Years):	103
Officer BAH (\$/Month):	872	Homeowner Assistance Program:	Yes
Enlisted BAH (\$/Month):	615		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	0.84		Admits Visits Prescrip
Per Diem Rate (\$/Day):	86	CostFactor	0.00 120.57 0.00
Freight Cost (\$/Ton/Mile):	0.33	Actv MTF	0 97 0
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	15 1,018
Latitude:	34.833333	Retiree	0 1,893 0
Longitude:	-95.925000	Retiree65+	0 18 0

Name: MILAN AAP, TN (47579)

Total Officer Employees:	2	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	0	Total Sustainment (\$K/Year):	10,458
Total Student Employees:	0	Sustain Payroll (\$K/Year):	0
Total Civilian Employees:	23	BOS Non-Payroll (\$K/Year):	8,340
Accomp Mil not Receiving BAH:	100.0%	BOS Payroll (\$K/Year):	1,009
Officer Housing Units Avail:	6	Family Housing (\$K/Year):	0
Enlisted Housing Units Avail:	15	Installation PRV(\$K):	1,106,965
Starting Facilities(KSF):	3,548	Svc/Agcy Recap Rate (Years):	103
Officer BAH (\$/Month):	811	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	615		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	0.87		Admits Visits Prescrip
Per Diem Rate (\$/Day):	86	CostFactor	0.00 0.00 0.00
Freight Cost (\$/Ton/Mile):	0.33	Actv MTF	0 0 0
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	0 0 0
Latitude:	35.933333	Retiree	0 0 0
Longitude:	-88.783333	Retiree65+	0 0 0

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: CRANE AAP, IN (18174)

Total Officer Employees:	2	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	2	Total Sustainment (\$K/Year):	15,474
Total Student Employees:	0	Sustain Payroll (\$K/Year):	0
Total Civilian Employees:	419	BOS Non-Payroll (\$K/Year):	15,730
Accomp Mil not Receiving BAH:	0.0%	BOS Payroll (\$K/Year):	0
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	251
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	2,030,218
Starting Facilities(KSF):	7,199	Svc/Agcy Recap Rate (Years):	103
Officer BAH (\$/Month):	1,002	Homeowner Assistance Program:	Yes
Enlisted BAH (\$/Month):	751		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	1.05		Admits Visits Prescrip
Per Diem Rate (\$/Day):	86	CostFactor	0.00 0.00 0.00
Freight Cost (\$/Ton/Mile):	0.33	Actv MTF	0 0 0
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	0 0 0
Latitude:	39.716667	Retiree	0 0 0
Longitude:	-86.266667	Retiree65+	0 0 0

Name: IOWA AAP, IA (19422)

Total Officer Employees:	2	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	0	Total Sustainment (\$K/Year):	14,105
Total Student Employees:	0	Sustain Payroll (\$K/Year):	0
Total Civilian Employees:	29	BOS Non-Payroll (\$K/Year):	8,058
Accomp Mil not Receiving BAH:	1.3%	BOS Payroll (\$K/Year):	0
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	10
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	1,273,041
Starting Facilities(KSF):	4,054	Svc/Agcy Recap Rate (Years):	103
Officer BAH (\$/Month):	1,039	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	821		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	1.10		Admits Visits Prescrip
Per Diem Rate (\$/Day):	102	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:	42.533333	Retiree	0 0 0
Longitude:	-93.266667	Retiree65+	0 0 0

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: KANSAS AAP, KS (20450)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	50	0	1,700	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 Req'd(\$K):	0	1,300	0	0	0	0
Activ Mission Cost (\$K):	0	0	0	0	0	0
Activ Mission Save (\$K):	0	0	0	0	0	0
Misn Contract Start(\$K):	0	0	0	0	0	0
Misn Contract Term (\$K):	0	0	0	0	0	0
Supt Contract Term (\$K):	0	0	0	0	0	0
Misc Recurring Cost(\$K):	6,222	6,222	6,222	6,222	6,222	6,222
Misc Recurring Save(\$K):	0	0	0	0	0	0
One-Time IT Costs (\$K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc(\$K):	0	0	0	0	0	0
Procurement Avoidnc(\$K):	0	0	0	0	0	0
MTF Closure Action:	None Fac ShDn(KSF):			1,995	FH ShDn:	0.000%

Name: MCALESTER, OK (40549)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	675	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 Req'd(\$K):	0	0	0	1,000	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%

COBRA INPUT DATA REPORT (COBRA v6.10) - Page 5

Data As Of 5/4/2005 10:27:56 AM, Report Created 5/4/2005 10:27:59 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcaldерwood\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: MILAN AAP, TN (47579)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	805	0	0	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	0	0	0	0	0	0
1-Time Moving Save (\$K):	0	0	0	0	0	0
Env Non-MilCon Reqd(\$K):	0	0	0	1,000	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%

Name: CRANE AAP, IN (18174)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	15,050	0	0	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	0	0	0	0	0	0
1-Time Moving Save (\$K):	0	0	0	0	0	0
Env Non-MilCon Reqd(\$K):	0	0	0	1,150	0	0
Activ Mission Cost (\$K):	0	0	0	0	0	0
Activ Mission Save (\$K):	0	0	0	0	0	0
Misn Contract Start(\$K):	0	0	0	0	0	0
Misn Contract Term (\$K):	0	0	0	0	0	0
Supt Contract Term (\$K):	0	0	0	0	0	0
Misc Recurring Cost(\$K):	0	0	0	0	0	0
Misc Recurring Save(\$K):	0	0	0	0	0	0
One-Time IT Costs (\$K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc(\$K):	0	0	0	0	0	0
Procurement Avoidnc(\$K):	0	0	0	0	0	0
MTF Closure Action:	None Fac ShDn(KSF):			0	FH ShDn:	0.000%

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: IOWA AAP, IA (19422)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	70	0	0	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	0	0	0	0	0	0
1-Time Moving Save (\$K):	0	0	0	0	0	0
Env Non-MilCon Reqd(\$K):	0	0	0	1,000	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: KANSAS AAP, KS (20450)

	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	-8	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: MCALESTER, OK (40549)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	0	0	0	0	0
Off Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	0	0	0	0	0	0
Civ Prog nonBRAC Change:	-64	0	0	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	0%	0%	0%	0%	0%	0%

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcaldерwood\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: CRANE AAP, IN (18174)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	0	0	0	0
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	0	0	0	0	0
Off Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	0	0	0	-1	0	0
Civ Prog nonBRAC Change:	64	0	0	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	0%	0%	0%	0%	0%	0%

STANDARD FACTORS SCREEN ONE - PERSONNEL

SF File Descrip:

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

STANDARD FACTORS SCREEN TWO - FACILITIES

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

STANDARD FACTORS SCREEN THREE - TRANSPORTATION

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

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
Option Pkg Name: IND 0106 Close Kansas AAP  
Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

FOOTNOTES FOR SCREEN ONE

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Close Kansas Army Ammunition Plant, KS. Relocate Sensor Fuzed Weapon/Cluster Bomb function and Missile warhead production to McAlester AAP, OK; 155mm ICM Artillery and 60MM, 81MM, and 120MM Mortar functions to Milan, TN; 105MM HE, 155MM HE, and Missile Warhead functions to Iowa AAP, IA; Detonators/relays/delays to Crane, AAA, IN.

NOTE: Pine Bluff was in the scenario to receive storage from Kansas. The storage reported by Kansas was production stock only, not end item serviceable stock.

FOOTNOTES FOR SCREEN THREE

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Cost to move equipment is included and documented in screen 5.

FOOTNOTES FOR SCREEN FOUR

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Static Data provided with Cobra 6.10 indicates that there are no civilians at Kansas AAP. Kansas' response to Military Value question 2419 identified 8 civilians. Eliminated those 8 civilians in FY 09.

FOOTNOTES FOR SCREEN FIVE

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SCREEN FIVE:

KANSAS:

FY 07 \$1350k:

-\$50k: Cost to remove presses and transport to McAlester (MA-1 Action 1)  
-\$1300k: From page 14 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs" for disposal environmental impact statement (EIS); FY 07 was selected because the Military Department wants to obtain environmental permits, waivers, and restrictions by the end of FY 08 and completion of decommissioning NLT end of FY 11.

FY 09 \$1700k:

-\$500k is cost for explosive decontaminate, building closure, utility disconnect (MA-1 Action 1)  
-\$300k is cost to transition buildings to modified caretaker status (MA-4 Action 2)  
-\$300k is cost to transition buildings to modified caretaker status (MA-4 Action 3)  
-\$100k is cost to decontaminate equipment and facilities (MA-7 Action 1)  
-\$300k is cost to transition buildings to modified caretaker status (MA-7 Action 2)  
-\$100k is cost to decontaminate equipment and facilities (MA-8 Action 1)  
-\$100k is cost for building closure, utility disconnect (MA-9 Action 1)  
FY 06, 07, 08, 09, 10, and 11: \$6,222k 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).

1,995KSF: Fac ShDn is derived from Screen Four - static base information for "Starting Facilities"

McAlester:

FY 07 \$675k:

-\$325k cost for building upgrades (MA-1 Action 1)  
-\$150k cost to install presses (MA-1 Action 1)  
-\$25k cost for TDY and training (MA-1 Action 1)  
-\$100k cost for minor facility upgrade (MA-7 Action 2)  
-\$50k cost for minor tooling and equipment upgrade (MA-7 Action 2)  
-\$25k cost for TDY and training (MA-7 Action 2)

FY 09 \$1,000k: From page 14 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs" for disposal environmental impact statement (EIS); FY 09 was selected because this would allow the

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
Option Pkg Name: IND 0106 Close Kansas AAP  
Std Pctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

losing site to prepare everything that needs to move to the gaining site. The Military Departments plans are to complete decommissioning NLT end of FY 11.

MILAN:

FY 07 \$805k: \$800k cost for equipment tooling and upgrade to melt-pour ops (MA-8 Action 1)  
\$5k cost for training and travel (MA-8 Action 1)  
FY 09 \$1000k: From page 14 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs" for disposal environmental impact statement (EIS); FY 09 was selected because this would allow the losing site to prepare everything that needs to move to the gaining site. The Military Departments plans are to complete decommissioning NLT end of FY 11.

CRANE:

FY 07 \$15,050k: \$8,000k cost to construct detonator building (MA-9 Action 1)  
\$7,000k cost to remove/install/purchase equipment (MA-9 Action 1)  
\$50k cost for training and travel (MA-9 Action 1)  
FY 09 \$1,150k: From page 14 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs" for disposal environmental impact statement (EIS), New Source Review, and Air Conformity Analysis; FY 09 was selected because this would allow the losing site to prepare everything that needs to move to the gaining site. The Military Departments plans are to complete decommissioning NLT end of FY 11.

IOWA:

FY 07 \$70k: \$5k cost for training and travel (MA-4 Action 2)  
\$50k cost for equipment tooling and minor upgrade (MA-7 Action 1)  
\$15k cost for training and travel (MA-7 Action 1)  
FY 09 \$1,000k: From page 14 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs" for disposal environmental impact statement (EIS); FY 09 was selected because this would allow the losing site to prepare everything that needs to move to the gaining site. The Military Departments plans are to complete decommissioning NLT end of FY 11.

FOOTNOTES FOR SCREEN SIX

=====  
8 People not needed. All 8 eliminated in FY 09.

TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)  
Data As Of 5/4/2005 10:27:56 AM, Report Created 5/4/2005 10:27:59 AM

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
Option Pkg Name: IND 0106 Close Kansas AAP  
Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

All values in 2005 Constant Dollars

Base Name	Total MilCon*	Milcon Cost Avoidance	Total Net Costs
KANSAS AAP	0	0	0
MCALESTER	0	0	0
MILAN AAP	0	0	0
CRANE AAP	0	0	0
IOWA AAP	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 5/4/2005 10:27:56 AM, Report Created 5/4/2005 10:28:00 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Year	Cost(\$)	Adjusted Cost(\$)	NPV(\$)
----	-----	-----	-----
2006	264,306	260,681	260,681
2007	18,148,325	17,411,929	17,672,610
2008	148,840	138,911	17,811,522
2009	-2,330,479	-2,115,774	15,695,747
2010	-9,185,428	-8,112,046	7,583,701
2011	-9,185,428	-7,891,095	-307,394
2012	-10,279,474	-8,590,444	-8,897,838
2013	-10,279,474	-8,356,463	-17,254,302
2014	-10,279,474	-8,128,855	-25,383,157
2015	-10,279,474	-7,907,447	-33,290,604
2016	-10,279,474	-7,692,069	-40,982,673
2017	-10,279,474	-7,482,557	-48,465,231
2018	-10,279,474	-7,278,752	-55,743,983
2019	-10,279,474	-7,080,498	-62,824,482
2020	-10,279,474	-6,887,644	-69,712,126
2021	-10,279,474	-6,700,043	-76,412,169
2022	-10,279,474	-6,517,552	-82,929,721
2023	-10,279,474	-6,340,031	-89,269,752
2024	-10,279,474	-6,167,345	-95,437,097
2025	-10,279,474	-5,999,363	-101,436,460

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
-----	----	-----
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	172,195	
Civilian Early Retirement	11,989	
Eliminated Military PCS	0	
Unemployment	13,353	
Total - Personnel		197,537
Overhead		
Program Management Cost	721,661	
Support Contract Termination	0	
Mothball / Shutdown	359,100	
Total - Overhead		1,080,761
Moving		
Civilian Moving	0	
Civilian PPP	70,992	
Military Moving	0	
Freight	0	
Information Technologies	0	
One-Time Moving Costs	0	
Total - Moving		70,992
Other		
HAP / RSE	0	
Environmental Mitigation Costs	5,450,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	18,350,000	
Total - Other		23,800,000
-----		
Total One-Time Costs		25,149,290
-----		
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
-----		
Total One-Time Savings		0
-----		
Total Net One-Time Costs		25,149,290

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcaldlerwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: KANSAS AAP, KS (20450)  
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
-----	----	-----
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	172,195	
Civilian Early Retirement	11,989	
Eliminated Military PCS	0	
Unemployment	13,353	
Total - Personnel		197,537
Overhead		
Program Management Cost	721,661	
Support Contract Termination	0	
Mothball / Shutdown	359,100	
Total - Overhead		1,080,761
Moving		
Civilian Moving	0	
Civilian PPP	70,992	
Military Moving	0	
Freight	0	
Information Technologies	0	
One-Time Moving Costs	0	
Total - Moving		70,992
Other		
HAP / RSE	0	
Environmental Mitigation Costs	1,300,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	1,750,000	
Total - Other		3,050,000
-----		-----
Total One-Time Costs		4,399,290
-----		-----
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
-----		-----
Total One-Time Savings		0
-----		-----
Total Net One-Time Costs		4,399,290

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcaldlerwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MCALESTER, OK (40549)  
 (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	1,000,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	675,000	
Total - Other		1,675,000
-----		-----
Total One-Time Costs		1,675,000
-----		-----
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
-----		-----
Total One-Time Savings		0
-----		-----
Total Net One-Time Costs		1,675,000

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcaldlerwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MILAN AAP, TN (47579)  
 (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	1,000,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	805,000	
Total - Other		1,805,000
-----		
Total One-Time Costs		1,805,000
-----		
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
-----		
Total One-Time Savings		0
-----		
Total Net One-Time Costs		1,805,000

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: CRANE AAP, IN (18174)  
 (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	15,050,000	
Total - Other		16,200,000
-----	-----	-----
Total One-Time Costs		16,200,000
-----	-----	-----
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
-----	-----	-----
Total One-Time Savings		0
-----	-----	-----
Total Net One-Time Costs		16,200,000

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: IOWA AAP, IA (19422)  
 (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	1,000,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	70,000	
Total - Other		1,070,000
-----		
Total One-Time Costs		1,070,000
-----		
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
-----		
Total One-Time Savings		0
-----		
Total Net One-Time Costs		1,070,000





Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\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	8	0	0	8
Early Retirement	8.10%	0	0	0	1	0	0	1
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	0	1	0	0	1
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	39.97%	0	0	0	3	0	0	3
Civilians Available to Move		0	0	0	3	0	0	3
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	3	0	0	3
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	1	0	0	1
TOTAL CIVILIAN RIFs		0	0	0	3	0	0	3
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	3	0	0	3
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 2/6

Data As Of 5/4/2005 10:27:56 AM, Report Created 5/4/2005 10:27:59 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: KANSAS AAP, KS (20450)	Rate	2006	2007	2008	2009	2010	2011	Total
<b>CIVILIAN POSITIONS REALIGNING OUT</b>								
Early Retirement*	8.10%	0	0	0	0	0	0	0
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
<b>CIVILIAN POSITIONS ELIMINATED</b>								
Early Retirement	8.10%	0	0	0	8	0	0	8
Regular Retirement	1.67%	0	0	0	1	0	0	1
Civilian Turnover	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	1	0	0	1
Priority Placement#	39.97%	0	0	0	3	0	0	3
Civilians Available to Move		0	0	0	3	0	0	3
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	3	0	0	3
<b>CIVILIAN POSITIONS REALIGNING IN</b>								
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	1	0	0	1
TOTAL CIVILIAN RIFs		0	0	0	3	0	0	3
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	3	0	0	3
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

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

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

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MCALESTER, OK (40549)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	8.10%	0	0	0	0	0	0	0
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	8.10%	0	0	0	0	0	0	0
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	39.97%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFs		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

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

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

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: MILAN AAP, TN (47579)	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	8.10%	0	0	0	0	0	0	0
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	0	0	0	0
Early Retirement	8.10%	0	0	0	0	0	0	0
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Priority Placement#	39.97%	0	0	0	0	0	0	0
Civilians Available to Move		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	0	0	0	0
CIVILIAN POSITIONS REALIGNING IN		0	0	0	0	0	0	0
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	0	0	0	0
TOTAL CIVILIAN RIFs		0	0	0	0	0	0	0
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	0	0	0	0
TOTAL CIVILIAN NEW HIRES		0	0	0	0	0	0	0

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

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

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderswood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: CRANE AAP, IN (18174)	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 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%

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderswood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: IOWA AAP, IA (19422)	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%

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: KANSAS AAP, KS (20450)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	50.00%	0	0.00%	0.00%
2007	0	0.00%	25.00%	0	0.00%	0.00%
2008	0	0.00%	25.00%	0	0.00%	0.00%
2009	0	0.00%	0.00%	8	100.00%	100.00%
2010	0	0.00%	0.00%	0	0.00%	0.00%
2011	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	8	100.00%	100.00%

Base: MCALESTER, OK (40549)

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

Base: MILAN AAP, TN (47579)

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%

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

Base: CRANE AAP, IN (18174)

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

Base: IOWA AAP, IA (19422)

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 5/4/2005 10:27:56 AM, Report Created 5/4/2005 10:27:59 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderswood\Desktop\COBRA 6.10\BRAC2005.SFF

TOTAL SCENARIO POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
9	35	34	1,787

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

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

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

Officers	Enlisted	Students	Civilians
9	34	34	1,787

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	-8	0	0	-8
TOTAL	0	0	0	-8	0	0	-8

TOTAL SCENARIO POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
9	34	34	1,779

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcaldlerwood\Desktop\COBRA 6.10\BRAC2005.SFF

PERSONNEL SUMMARY FOR: KANSAS AAP, KS (20450)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: KANSAS AAP, KS (20450)

Officers	Enlisted	Students	Civilians
0	0	0	8

SCENARIO POSITION CHANGES FOR: KANSAS AAP, KS (20450)

	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	-8	0	0	-8
TOTAL	0	0	0	-8	0	0	-8

BASE POPULATION (After BRAC Action) FOR: KANSAS AAP, KS (20450)

Officers	Enlisted	Students	Civilians
0	0	0	0

PERSONNEL SUMMARY FOR: MCALESTER, OK (40549)

BASE POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
3	33	34	1,308

PROGRAMMED INSTALLATION (NON-BRAC) CHANGES FOR: MCALESTER, OK (40549)

	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	-64	0	0	0	0	0	-64
TOTAL	-64	0	0	0	0	0	-64

BASE POPULATION (Prior to BRAC Action) FOR: MCALESTER, OK (40549)

Officers	Enlisted	Students	Civilians
3	33	34	1,244

BASE POPULATION (After BRAC Action) FOR: MCALESTER, OK (40549)

Officers	Enlisted	Students	Civilians
3	33	34	1,244

PERSONNEL SUMMARY FOR: MILAN AAP, TN (47579)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: MILAN AAP, TN (47579)

Officers	Enlisted	Students	Civilians
2	0	0	23

BASE POPULATION (After BRAC Action) FOR: MILAN AAP, TN (47579)

Officers	Enlisted	Students	Civilians
2	0	0	23

PERSONNEL SUMMARY FOR: CRANE AAP, IN (18174)

BASE POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
2	2	0	419

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0106 Close Kansas AAP\IND 0106 Close Kansas AAP 05042005.CBR  
 Option Pkg Name: IND 0106 Close Kansas AAP  
 Std Fctrs File : C:\Documents and Settings\dcalderwood\Desktop\COBRA 6.10\BRAC2005.SFF

PROGRAMMED INSTALLATION (NON-BRAC) CHANGES FOR: CRANE AAP, IN (18174)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	-1	0	0	-1
Students	0	0	0	0	0	0	0
Civilians	64	0	0	0	0	0	64
TOTAL	64	0	0	-1	0	0	63

BASE POPULATION (Prior to BRAC Action) FOR: CRANE AAP, IN (18174)

Officers	Enlisted	Students	Civilians
2	1	0	483

BASE POPULATION (After BRAC Action) FOR: CRANE AAP, IN (18174)

Officers	Enlisted	Students	Civilians
2	1	0	483

PERSONNEL SUMMARY FOR: IOWA AAP, IA (19422)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: IOWA AAP, IA (19422)

Officers	Enlisted	Students	Civilians
2	0	0	29

BASE POPULATION (After BRAC Action) FOR: IOWA AAP, IA (19422)

Officers	Enlisted	Students	Civilians
2	0	0	29

## Economic Impact Report

This report depicts the economic impact of the following Scenarios:

IND-0106: Close Kansas AAP

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

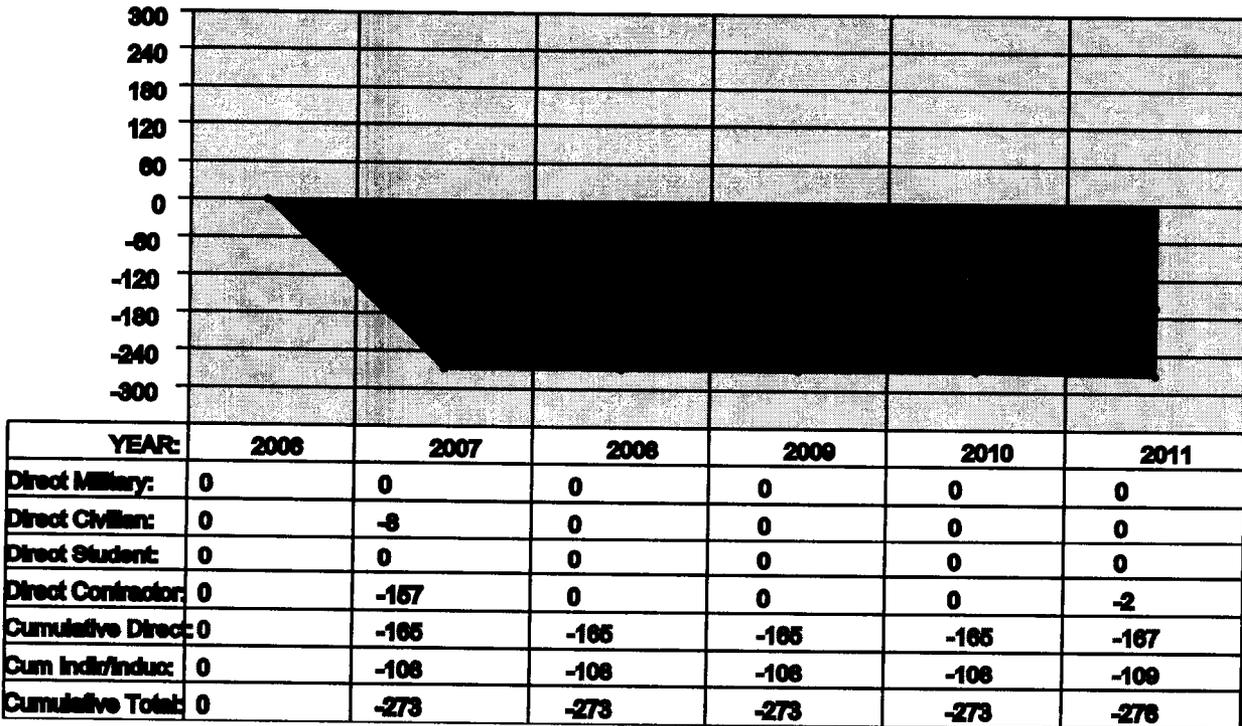
ECONOMIC IMPACT DATA

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

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

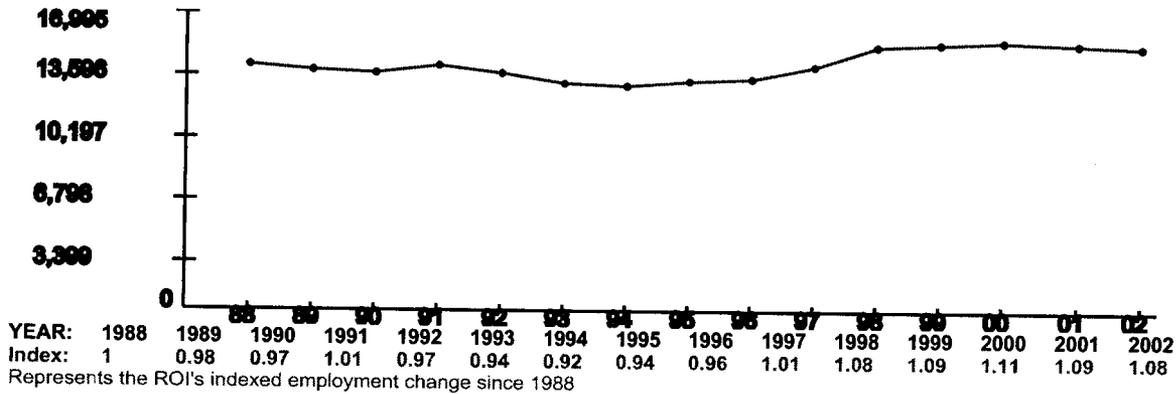
ROI Population (2002):	22,339
ROI Employment (2002):	15,144
Authorized Manpower (2005):	0
Authorized Manpower(2005) / ROI Employment(2002):	0%
Total Estimated Job Change:	-276
Total Estimated Job Change / ROI Employment(2002):	-1.82%

Cumulative Job Change (Gain/Loss) Over Time:

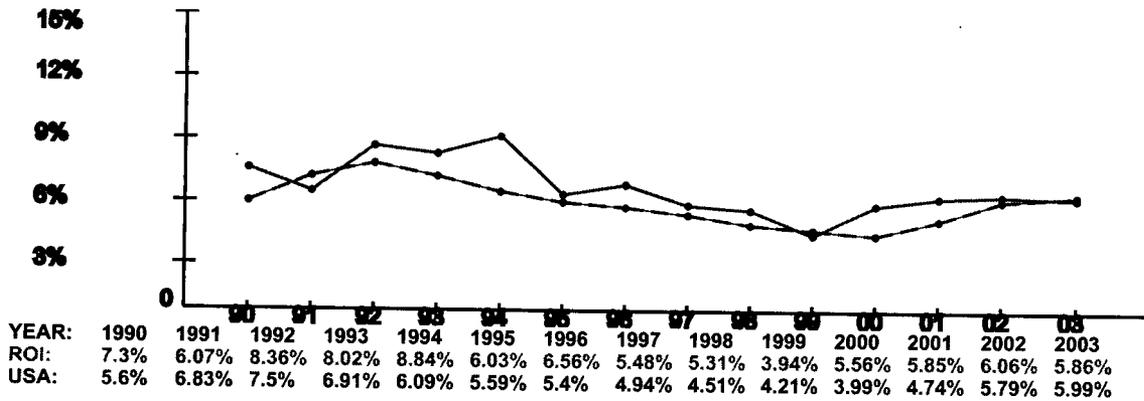


Parsons, KS Micropolitan Statistical Area Trend Data

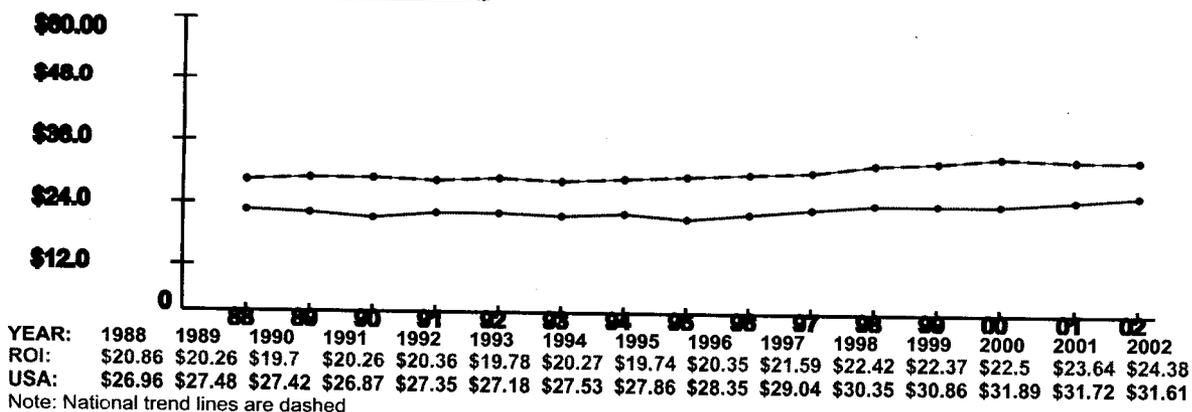
**Employment Trend (1988-2002)**



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



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



## KANSAS ARMY AMMUNITION PLANT, KS

### Demographics

The following tables provide a short description of the area near the installation/activity. KANSAS ARMY AMMUNITION PLANT is 106.3 miles from Tulsa, OK, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Joplin, MO MSA	157,332

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

County/City	Population
Labette	22835
Total	22,835

### Child Care

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

### Cost of Living

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

Median Household Income	(US Avg \$41,994)	\$30,875	Basis: 1 of 1 county
Median House Value	(US Avg \$119,600)	\$39,600	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$ 872	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State			

### Education

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

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

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

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

		Basis
School District(s) Capacity	2,415	4 of 4 districts
Students Enrolled	17,700	4 of 4 districts
Average Pupil/Teacher Ratio	12.9:1	4 of 4 districts
High School Students Enrolled	1,246	4 of 4 districts
Average High School Graduation Rate (US Avg 67.3%)	97.7%	4 of 4 districts
Average Composite SAT I Score (US Avg 1026)		4 of 4 districts
Average ACT Score (US Avg 20.8)	23	4 of 4 districts
Available Graduate/PhD Programs	0	
Available Colleges and/or Universities	1	
Available Vocational and/or Technical Schools	0	

## Employment

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

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	3.9%	5.5%	5.8%	6.1%	5.9%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	1 of 1 county				

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

	1999	2000	2001	2002	2003
Local Data	3.0%	-3.6%	-6.7%	.4%	1.0%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	1 of 1 county				

## Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community.

Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	1,112	Basis: 1 of 1 county
Vacant Sale Units	219	

Vacant Rental Units	243	
---------------------	-----	--

### 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	38	81	22,835	Basis: 1 of 1 county
Ratio	1:601	1:282		
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	4,087.0	Basis: 1 of 1 county
National UCR	4,118.8	

### Transportation

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

Distance from KANSAS ARMY AMMUNITION PLANT to nearest commercial airport: 106.3 miles  
 Is KANSAS ARMY AMMUNITION PLANT 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

## CRANE ARMY AMMUNITION ACTIVITY, IN

### Demographics

The following tables provide a short description of the area near the installation/activity. CRANE ARMY AMMUNITION ACTIVITY is 91.2 miles from Indianapolis, IN, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Bloomington, IN MSA	120,563

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

County/City	Population
Greene	33157
Martin	10369
Monroe	120563
Owen	21786
Total	185,875

### 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)	\$33,984	Basis: 4 of 4 counties
Median House Value	(US Avg \$119,600)	\$98,773	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$1,002	
In-state Tuition for Family Member		No	
In-state Tuition Continues if Member PCSs Out of State			

### Education

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

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

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

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

		Basis
School District(s) Capacity	29,498	10 of 10 districts
Students Enrolled	24,008	10 of 10 districts
Average Pupil/Teacher Ratio	18.5:1	10 of 10 districts
High School Students Enrolled	24,002	10 of 10 districts
Average High School Graduation Rate (US Avg 67.3%)	90.7%	10 of 10 districts
Average Composite SAT I Score (US Avg 1026)	1008	10 of 10 districts
Average ACT Score (US Avg 20.8)	19	10 of 10 districts
Available Graduate/PhD Programs	1	
Available Colleges and/or Universities	2	
Available Vocational and/or Technical Schools	1	

## 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	4.0%	3.1%	4.3%	4.5%	4.4%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	4 of 4 counties				

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

	1999	2000	2001	2002	2003
Local Data	-.2%	-1.1%	1.4%	.1%	2.9%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	4 of 4 counties				

## Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community.

Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	7,746	Basis: 4 of 4 counties
Vacant Sale Units	1,220	
Vacant Rental Units	1,940	

### 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	314	875	185,875	Basis: 4 of 4 counties
Ratio	1:592	1:212		
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	1,729.5	Basis: 4 of 4 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 CRANE ARMY AMMUNITION ACTIVITY to nearest commercial airport: 91.2 miles  
 Is CRANE ARMY AMMUNITION ACTIVITY 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

## IOWA AAP, IA

### Demographics

The following tables provide a short description of the area near the installation/activity. IOWA AAP is 92 miles from Cedar Rapids, 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 MSA	359,062

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

County/City	Population
Des Moines	42351
Total	42,351

### Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 1

### 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)	\$36,790	Basis: 1 of 1 county
Median House Value	(US Avg \$119,600)	\$70,100	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$ 964	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State			

### Education

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

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

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

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

		Basis
School District(s) Capacity	9,741	5 of 5 districts
Students Enrolled	6,950	5 of 5 districts
Average Pupil/Teacher Ratio	13.0:1	5 of 5 districts
High School Students Enrolled	2,231	5 of 5 districts
Average High School Graduation Rate (US Avg 67.3%)	87.3%	5 of 5 districts
Average Composite SAT I Score (US Avg 1026)	49	5 of 5 districts
Average ACT Score (US Avg 20.8)	22	5 of 5 districts
Available Graduate/PhD Programs	1	
Available Colleges and/or Universities	1	
Available Vocational and/or Technical Schools	1	

## 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	3.1%	3.3%	4.9%	5.9%	6.7%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	1 of 1 county				

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

	1999	2000	2001	2002	2003
Local Data	-.3%	-1.1%	-1.5%	-1.4%	-3.8%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	1 of 1 county				

## Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community.

Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	1,373	Basis: 1 of 1 county
Vacant Sale Units	295	

Vacant Rental Units	439	
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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	77	313	42,351	Basis: 1 of 1 county
Ratio	1:550	1:135		
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	3,448.0	Basis: 1 of 1 county
National UCR	4,118.8	

### Transportation

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

Distance from IOWA AAP to nearest commercial airport: 11.2 miles  
 Is IOWA 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

## MCALESTER AAP, OK

### Demographics

The following tables provide a short description of the area near the installation/activity. MCALESTER AAP is 91 miles from Tulsa, OK, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Fort Smith, AR MSA	207,290

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

County/City	Population
Pittsburg	43953
Total	43,953

### Child Care

This attribute captures the number of nationally accredited child-care centers within the local community: 1

### 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)	\$28,679	Basis: 1 of 1 county
Median House Value	(US Avg \$119,600)	\$53,400	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$ 811	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State			

### Education

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

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

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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	4,399	5 of 5 districts
Students Enrolled	26,685	5 of 5 districts
Average Pupil/Teacher Ratio	15.9:1	5 of 5 districts
High School Students Enrolled	1,281	5 of 5 districts
Average High School Graduation Rate (US Avg 67.3%)	70.8%	5 of 5 districts
Average Composite SAT I Score (US Avg 1026)		5 of 5 districts
Average ACT Score (US Avg 20.8)	21	5 of 5 districts
Available Graduate/PhD Programs	0	
Available Colleges and/or Universities	1	
Available Vocational and/or Technical Schools	1	

## Employment

Employment 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	6.2%	4.7%	4.2%	5.7%	6.3%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	1 of 1 county				

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

	1999	2000	2001	2002	2003
Local Data	6.5%	-3.0%	1.4%	2.9%	5.2%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	1 of 1 county				

## Housing

This attribute provides an indication of availability of housing, both sales and rental, in the local community.

Note: according to the 2000 Census, Vacant Sale and Vacant Rental Units do not equal Total Vacant Housing Units; Total Vacant Housing Units may also include units that are vacant but not on the market for sale or rent.

Total Vacant Housing Units	4,363	Basis: 1 of 1 county
Vacant Sale Units	320	

Vacant Rental Units	538	
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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			43,953	Basis: 1 of 1 county
Ratio	1:	1:		
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	4,743.0	Basis: 1 of 1 county
National UCR	4,118.8	

### Transportation

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

Distance from MCALESTER AAP to nearest commercial airport: 96.0 miles  
 Is MCALESTER 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

## MILAN AAP, TN

### Demographics

The following tables provide a short description of the area near the installation/activity. MILAN AAP is 99.4 miles from Clarksville, TN, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Jackson, TN MSA	107,377

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

County/City	Population
Carroll	29475
Total	29,475

### Child Care

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

### Cost of Living

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

Median Household Income	(US Avg \$41,994)	\$30,463	Basis: 1 of 1 county
Median House Value	(US Avg \$119,600)	\$60,900	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$ 811	
In-state Tuition for Family Member		Yes	
In-state Tuition Continues if Member PCSs Out of State			

### Education

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

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

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*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	9,826	5 of 5 districts
Students Enrolled	9,108	5 of 5 districts
Average Pupil/Teacher Ratio	15.6:1	5 of 5 districts
High School Students Enrolled	2,664	5 of 5 districts
Average High School Graduation Rate (US Avg 67.3%)	82.3%	5 of 5 districts
Average Composite SAT I Score (US Avg 1026)		5 of 5 districts
Average ACT Score (US Avg 20.8)	20	5 of 5 districts
Available Graduate/PhD Programs	1	
Available Colleges and/or Universities	6	
Available Vocational and/or Technical Schools	1	

## Employment

Employment 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	9.4%	12.1%	9.5%	12.1%	12.4%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	1 of 1 county				

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

	1999	2000	2001	2002	2003
Local Data	-3.6%	-7.7%	.3%	-.7%	.6%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	1 of 1 county				

## Housing

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

Total Vacant Housing Units	1,278	Basis: 1 of 1 county
Vacant Sale Units	208	

Vacant Rental Units	281	
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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	24	74	29,475	Basis: 1 of 1 county
Ratio	1:1,228	1:398		
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	5,019.0	Basis: 1 of 1 county
National UCR	4,118.8	

### Transportation

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

Distance from MILAN AAP to nearest commercial airport: 32.6 miles  
 Is MILAN 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

**SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS****SCENARIO #634****[TABS FINAL VERSION]****TITLE: IND-0106V2 CLOSE KANSAS AAP**

**GENERAL DESCRIPTION:** Close Kansas Army Ammunition Plant. Relocate the Sensor Fuzed Weapon/Cluster Bomb function to McAlester AAP. Relocate the 155MM ICM artillery function and the 60MM, 81MM and 120MM mortar functions to Milan AAP. Relocate the 105 and 155MM HE artillery function to Iowa AAP. Relocate the missile warhead production function to Iowa AAP and McAlester AAP. Relocate the detonators/relays/delays workload to Crane AAP.

This assessment is based on the following assumptions:

1. Moving Sensor Fuzed Weapon/Cluster Bomb function, and relocate the missile warhead production function to McAlester AAP - involves 0 personnel and no new facilities.
2. Relocate the 155MM ICM artillery function and the 60MM, 81MM and 120MM mortar functions - involves 0 personnel and no new facilities at Milan AAP.
3. Relocate the 155MM ICM artillery function, and relocate the missile warhead production function involves 0 personnel and no new facilities at Iowa AAP.
4. Relocate the detonators/relays/delays workload involves no personnel added to Crane AAP and no new facilities.
5. Though no personnel or new construction is associated with this scenario, full SSEIs for each installation were developed since industrial output are assumed to increase

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

**LAST UPDATED: 5/4/2005**

<b>Env Resource Area</b>	<b>#1 Gaining Installation Assessment Inst Name: McAlester AAP</b>	<b>Analyst Comments (&amp; data source(s) that drive assessment)</b>
<b>Air Quality</b>	No impact. In attainment for CO and other pollutants are "unclassifiable". No new construction, only upgrading existing facilities	#211 - No permit/Major Source threshold exceedances reported. #213 in attainment for CO and Ozone (1 hour) and all other pollutants are "unclassifiable" #218/ISR2 No mission impact indicated #220 Major Operating Permit, Title V permits for installation.
<b>Cultural/Archeological/Tribal Resources</b>	No Impact. No archeological or native people's sites identified and no restrictions on construction/training/operations. 211 historic properties identified.	#229, 231 No cemeteries/native people's sites #232 High potential for archeological sites #230 No archeological resources identified. #233 - 4.45% of installation surveyed #234 - Choctow, Caddo, Quapaw, Whichita, Chickasaw, have asserted interest in some archeological resource #235 - 5 Historic districts identified with 211 historic properties #236 - No Prog. Agreement in place ISR2 - no adverse impact to mission.
<b>Dredging</b>	No Impact	No dredging impacts for this scenario.
<b>Land Use Constraints/Sensitive Resource Areas</b>	No impact	#30 - 28,290 buildable acres available, no acres required (per phone conversation with Industrial JCSG team. (RIA) 1-3-05). #201 No constraints on operations #254 No SRAs restricting training/mission #256 No SRAs nearby CERL Study - minimal encroachment

Marine Mammals/Marine Resources/Marine	No Impact	There are no impacts to marine resources from this proposal.
Noise	No Impact	#239 No Noise contours that extend offsite.
Threatened & Endangered Species/Critical Habitat	<p>One federally listed species (American Burying Beetle) on installation which causes restrictions on any soil disturbance activity greater than 5 acres – consultations with USFWS required.</p> <p>Additional operations may further impact threatened / endangered species leading to additional restrictions on training or operations.</p>	<p>#249 No restrictions  #259 1 species (American Burying Beetle) inhabits main installation area (soil disruptions of &gt;5 acres must be coordinated with USFWS)  #260 No critical habitat  #261 No biological opinion  #262 No restrictions  #263, 264 No candidate species, no proposed habitat</p>
Waste Management	No Impact.	#269 - Installation has a RCRA X Permit (interim or final status not specified)
Water Resources	Impaired waterway may be further impacted by additional operations. Significant mitigation measures to limit releases may be required to reduce impacts to water quality and achieve USEPA Water Quality Standards.	<p>#276 Installation not over a recharge zone  #278 Not subject to McCarren Act  #279 Installation does discharge to an impaired waterway (organic loading), but current operations do not currently impair waterway  #293 No potable water restrictions  #282 Daily industrial wastewater treatment unknown.  IREM- Infrastructure can support 1,974 additional personnel-Scenario adds 55 personnel. (50 SFW/Cluster Bomb, 5 Missile)</p>
Wetlands	No Impact	<p>#251 Installation surveyed 9/20/99  #257 6.86% of installation is constrained by wetlands.</p>

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);  
SCENARIO#IND-0106V2 (634)**

<b>Env Resource Area</b>	<b>#2 Gaining Installation Assessment Inst Name: Milan AAP</b>	<b>Analyst Comments (&amp; data source(s) that drive assessment)</b>
<b>Air Quality</b>	No Impact. In attainment for all pollutants.	#211 – CO permit/Major Source thresholds exceedences reported. #213 In attainment for all pollutants #218/ISR2 No mission impact indicated #220 Major Operating Permit, Title V permits for installation.
<b>Cultural/Archeological/Tribal Resources</b>	No Impact. 1 Historic district identified but specific resources not identified and 11 archeological sites neither of which impose restrictions of any kind.	#229 Cemeteries are present #230 11 archeological sites which do not impact mission or land use or training. #231 Native people sites identified #232 High potential for archeological sites #233 7.2% of the installation surveyed #234 No tribes have asserted interest #235 1 Historic District identified but no resources identified #236 Programmatic agreement in place
<b>Dredging</b>	No Impact	No dredging impacts for this scenario.
<b>Land Use Constraints/Sensitive Resource Areas</b>	No Impact	#30 1,848 buildable acres available; 0 needed. #201 No constraints #254, #256 No SRA restricting training/mission CERL Study – Moderate encroachment
<b>Marine Mammals/Marine Resources/Marine</b>	No Impact	There are no impacts to marine resources from this proposal.
<b>Noise</b>	No Impact.	#239 433 acres of Noise Zone 2 that extends outside the installation boundaries, which is moderately encroached by development.
<b>Threatened &amp; Endangered Species/Critical</b>	No Impact	#249, 259, 260 No TES or critical habitat and no restrictions present. #261 thru 264 - No biological opinions, no candidate species.
<b>Waste Management</b>	No Impact	# 269. Gaining installation has a RCRA X Permit (interim status)

<p><b>Water Resources</b></p>	<p>No Impact.</p>	<p>#276 Installation not over a recharge zone                  #278 Not subject to McCarren Act                  #279 Installation does not discharge into impaired waterway                  #291- #292 Significant capacity remains in potable water - IREM reports infrastructure can support additional 742 people; scenario adds 20 pers                  #293 No restrictions reported                  #297 Significant capacity remains for municipal and industrial effluent                  #282-Installation has one On Military Installation Govt Owned Plant for industrial wastewater</p>
<p><b>Wetlands</b></p>	<p>No Impact.</p>	<p>#251 Installation surveyed on 06/98                  #257 1.6% of installation is restricted by wetlands – specifics on restrictions not provided</p>

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);**  
**SCENARIO#IND-0106V2 (634)**

Env Resource Area	#3 Gaining Installation Assessment Inst Name: Iowa AAP	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No Impact. In attainment for all pollutants and no exceedances expected.	#211 - No permit/Major Source thresholds exceedances reported #213 In attainment for all pollutants #218/ISR – Open burning operations is restricted which impacts installation but not impacting mission #220 Major Operating Permit, Title V permits for installation.
Cultural/Archeological/Tribal Resources	No Impact. Cultural/archeological/tribal resources currently restrict operations. Additional operations may impact these resources which may lead to increased delays and costs.	#229 Cemeteries are present #230 291 archeological resources/sacred sites that restrict future construction and training. #231 Native people sites identified #233 100% of the installation surveyed #234 3 Tribes (Iowa Tribe, Sac and Fox, and Winnebago) have asserted interest in resources, but contact is rare. #235 No Historic Districts/Sites identified #236 No Programmatic agreement in place
Dredging	No Impact	No dredging impacts for this scenario.
Land Use Constraints/Sensitive Resource Areas	No Impact	#30 2,806 buildable acres available and 0 needed – existing capacity exists #201 No constraints #254 No SRAs restricting training/mission #256 2 SRA nearby, but not restricting mission CERL Study – Moderate encroachment
Marine Mammals/Marine Resources/Marine	No Impact	There are no impacts to marine resources from this proposal.
Noise	No Impact	#239 No noise constraints currently and contours do not extend offsite.

<p><b>Threatened &amp; Endangered Species/Critical Habitat</b></p>	<p>One federally listed species (Indiana Bat) which affects 27% of the installation by preventing/restricting training that uses smoke or blank ammunition from March 15 through October 31.</p> <p>Additional operations may further impact threatened / endangered species leading to additional restrictions on training or operations.</p>	<p>#249 No restrictions                  #259 1 Federal TES species (Indiana Bat) on site, affects 27% of installation (no training on smoke and blank ammo for 5 months)                  #260 No critical habitat                  #261 No biological opinion                  #262 No restrictions                  #263, 264 No candidate species, no proposed habitat</p>
<p><b>Waste Management</b></p>	<p>No Impact.</p>	<p># 269 Gaining installation has a RCRA X Permit (interim status)</p>
<p><b>Water Resources</b></p>	<p>No Impact</p>	<p>#276 Installation not over a recharge zone                  #278 Not subject to McCarren Act                  #279 Installation does not discharge into impaired waterway                  #293 No potable water restrictions                  #291 Installation uses one Off Military Installation Publicly Owned for potable water                  #282 Installation uses one On Military Installation Gov't Owned Plant for industrial wastewater treatment                  IREM reports infrastructure can support additional 4,385 pers; scenario adds 15</p>
<p><b>Wetlands</b></p>	<p>No Impact</p>	<p>#251 Installation Surveyed in 1999                  #257 0.6% of installation is restricted by wetlands – avoid wetlands altogether and obtain permit prior to making any modifications.</p>

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);  
SCENARIO#IND-0106V2 (634)**

Env Resource Area	#4 Gaining Installation Assessment Inst Name: Crane AD	Analyst Comments (& data source(s) that drive assessment)
Air Quality	Impact expected. CO, NOX, PM10 threshold exceedances likely due to additional operations. 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. This function also requires permits for a lead treatment plant.	#213 – Installation is in attainment area for all criteria pollutants. #211 - Major Source thresholds exceedances reported for NOX, PM10 and CO #212-Exceedences for Manganese reported #220 -Major operating permit #218/ISR2 - No mission impact indicated.
Cultural/Archeological/Tribal Resources	63 archeological sites identified, with restrictions on future construction and training / operations. 66 historic properties identified.  A very limited portion of the installation has been surveyed for cultural resources (<5%); therefore, the extent of cultural resources on the installation and impacts to these resources is uncertain. Cultural/archeological/tribal resources currently restrict operations. Additional operations may impact these resources which may lead to increased delays and costs.	#201 No constraints #229, 231 No cemeteries/native people's sites #232 – High potential for archeological sites #230 63 archeological resources that do not restrict current construction but constricts future construction and training/operations reported #233 – 2.34% of installation surveyed #234 – No tribes have asserted interest; #235- 3 historic districts with 66 total resources #236 - Programmatic Agreement in place. ISR2 - No adverse impact to mission.
Dredging	No Impact	No dredging impacts for this scenario.
Land Use Constraints/Sensitive Resource Areas	No Impact	#30 - 5,429 buildable acres available 15 acres required (based on 1 40,000 SF facility- twice the size of a small admin org) #254, #256 No SRA restricting training/mission CERL Study – Minimal encroachment
Marine Mammals/Marine Resources/Marine	No Impact	There are no impacts to marine resources from this proposal.
Noise	Due to nature of additional operations and associated testing further evaluation is required.	#239 – 4,650 acres of Noise Zone 2 that extends outside the installation boundaries, which is minimally encroached by development.

<p><b>Threatened &amp; Endangered Species/Critical Habitat</b></p>	<p>Installation has two Federally Listed species (Indiana Bat and Bald Eagle) which affect 80 acres of land by preventing the destruction of trees within a 600 foot radius from nesting site during certain times. Additional operations may further impact threatened / endangered species leading to additional restrictions on training or operations.</p>	<p>#249 No restrictions                  #259 2 Federal TES species (Indiana Bat, Bald Eagle) on site, affects 80 acres (no destruction of trees 600 feet radius distance from nesting site during certain times)                  #260 No critical habitat                  #261 No biological opinion                  #262 No restrictions                  #263, 264 No candidate species, no proposed habitat</p>
<p><b>Waste Management</b></p>	<p>No Impact – permit modifications may be required for lead processing</p>	<p>Q#269 – Has RCRA Part X Permit</p>
<p><b>Water Resources</b></p>	<p>Impaired waterway may be further impacted by additional operations. Significant mitigation measures to limit releases may be required to reduce impacts to water quality and achieve USEPA Water Quality Standards. Installation may need upgrades to industrial wastewater treatment to handle additional lead wastes.</p>	<p>#276 Installation not over a recharge zone                  #278 Not subject to McCarren Act                  #279 Installation does discharge into impaired waterway (E.coli)– which is source of drinking water                  #293 No potable water restrictions                  #282 Installation uses 13 On Military Installation Govt Owned Plants for industrial wastewater treatment                  #291 Installation uses one On Military Installation Govt Owned Plant for potable water production                  IREM indicates infrastructure can support additional 1,020 personnel scenario adds none.</p>
<p><b>Wetlands</b></p>	<p>No Impacts.</p>	<p>#251 - Installation surveyed on 6/98                  #257 - 5% of the installation has restricted wetlands (no dredging)</p>

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);  
SCENARIO#IND-0106V2 (634)**

Env Resource Area	<b><i>Losing Installation Assessment</i></b> <b>Inst Name: Kansas AAP</b>	<b>Analyst Comments</b> <b>(&amp; data source(s) that drive assessment)</b>
Air Quality	No impact	#213 All NAAQS in attainment.
Cultural/Archeological Resources	Surveys and consultation with SHPO will be required to ensure protection of cultural resources at the installation.	#230, 231, 235 No Arch or Historic sites reported. #232 - Sites with high potential for arch resources were reported.
Druiding	No impact	
Land Use Constraints/Sensitive Resource Areas	Special waste management areas at the installation include several IRP sites and operational ranges. Restoration, monitoring/sweeps, access controls, and/or deed restrictions may be required for these areas to prevent disturbance, health and safety risks, and/or long-term release of toxins to the environmental media.	#240 – DERP IRP: \$ 33.183M, spent \$30.7M through FY03 No MMRP sites FY02 DERP ARC - 5 operational ranges and 1 small arms range
Marine Mammals/Marine Resources	No impact	
Noise	No impact	
Threatened & Endangered Species/Critical	No impact	#259-264 No TES or candidate species / habitat was identified
Waste Management	Special waste management areas include RCRA TSDF, OB/OD facilities, and solid waste disposal facility. Restoration, monitoring /sweeps, access controls, and/or deed restrictions may be required to prevent disturbance and health/safety risks from these areas.	#265 Has RCRA TSD facility #269 Has RCRA Subpart X Permit #272 Has permitted solid waste disposal facility
Water Resources	Groundwater contamination issues include metals, VOCs, and explosives. Surface water contamination includes Dioxins/Furans. Restoration and/or monitoring of contaminated media may be required after closure. Installation has domestic and industrial wastewater treatment plants that may require closure.	#275 - Groundwater contamination includes Arsenic, chromium, copper, lead, Manganese, VOC's (Tetrachloroethene (PCE), Trichloroethene (TCE) Vinyl Chloride), and explosives, (RDX, HMX, TNT). #281 - Surface water contamination includes Dioxins/Furans. #822 Has domestic and industrial wastewater treatment plants.

Wetlands	No impact	
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SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);  
 SCENARIO #IND-0106V2 (634)

**IMPACTS OF COSTS**

Env Resource Area	Gaining Installations Inst Name: McAlester, Milan, Iowa, Crane	Losing Installation Inst Name: Kansas AAP
Environmental Restoration*	None	DERA CTC: \$ 33.183M 6 Operational Ranges - cost to cleanup (UXO sweep and restoration) estimated between \$4.7M - \$46.6M.
Waste Management	None	Restoration of hazardous waste sites - \$500K - \$10M  Land Use Controls management/enforcement in perpetuity - \$50K - \$100K  Asbestos/Lead-based Paint Removal - \$200K-\$1M  -Controlled burning/ decontamination/ demolition of industrial structures/buildings heavily contaminated with explosives/metals - \$1M-\$10M
Environmental Compliance	<u>McAlester:</u> -Realignment NEPA at gaining base – industrial \$1M (EIS) -Endangered Species Management (includes monitoring)-\$20K-\$2M -Install Best Mgt Practices to protect impaired waterways and reduce non-point source runoff from training areas and ranges - \$100K - \$3M. <u>Milan:</u> -Air Conformity Analysis - \$25K-\$75K -New Source Review Analysis - \$100K-\$500K. -Realignment NEPA at gaining base – industrial \$1M (EIS)	-Environmental Baseline Survey (EBS) \$300K-\$500K  -Access controls/caretaker management of cultural sites \$500K-\$1M

<p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>Environmental Compliance (CONT'D)</b></p>	<p><u>Iowa:</u>                      -Realignment NEPA at gaining base – industrial- \$1M (EIS)                      -Endangered Species Management (includes monitoring)-\$20K-\$2M  <u>Crane:</u>                      Air Conformity Analysis - \$25K-\$75K                      New Source Review Analysis - \$100K-\$500K.                      Archeological/tribal resources inventory - \$25 -                      -Endangered Species Management (includes monitoring)-\$20K-\$2M                      -Install Best Mgt Practices to protect impaired waterways and reduce non-point source runoff from training areas and ranges - \$100K - \$3M.</p>	
<p><b>COBRA Costs:</b></p>	<p><u>McAlester:</u>                      -NEPA-\$1M (EIS)  <u>Milan:</u>                      - NEPA \$1M (EIS)  <u>Iowa:</u>                      -NEPA \$1M (EIS)  <u>Crane:</u>                      -New Source Review - \$100K                      -Air Conformity Analysis -\$50K                      -NEPA \$1M (EIS)</p>	<p>EBS plus disposal EIS - \$1.3M</p>

INSTALLATION ENVIRONMENTAL PROFILE

**KANSAS ARMY AMMUNITION PLANT**

1. **Air Quality (DoD Question #210-225):**
  - a. The Clean Air Act (CAA) establishes health-based standards for air quality and all areas of the country are monitored to determine if they meet the standards. A major limiting factor is whether the installation is in an area designated nonattainment or maintenance (air quality is not meeting the standard) and is therefore subject to more stringent requirements, including the CAA General Conformity Rule. Conformity requires that any new emissions from military sources brought into the area must be offset by credits or accounted for in the State Implementation Plan (SIP) emissions budget. The criteria pollutants of concern include: CO, O<sub>3</sub> (1 hour & 8 Hour), and PM (PM<sub>10</sub>, and PM<sub>2.5</sub>). Installations in attainment areas are not restricted, while activities for installations in non-attainment areas may be restricted. Non-attainment areas are classified as to the degree of non-attainment: Marginal, Moderate, Serious, and in the case of O<sub>3</sub>, Severe and Extreme. SIP Growth Allowances and Emission Reduction Credits are tools that can be used to accommodate increased emissions in a manner that conforms to a state's SIP. All areas of the country require operating permits if emissions from stationary sources exceed certain threshold amounts. Major sources already exceed the amount and are subject to permit requirements. Synthetic minor means the base has accepted legal limits to its emissions to stay under the major source threshold. Natural or true minor means the actual and potential emissions are below the threshold.
  - b. KANSAS ARMY AMMUNITION PLANT is in Attainment for all Criteria Pollutants. It holds a CAA Major Operating Permit.
2. **Cultural/Archeological/Tribal Resources (DoD Question #229-237):**
  - a. Many installations have historical, archeological, cultural and Tribal sites of interest. These sites and access to them often must be maintained, or consultation is typically required before changes can be made. The sites and any buffers surrounding them may reduce the quantity or quality of land or airspace available for training and maneuvers or even construction of new facilities. The presence of such sites needs to be recognized, but the fact that restrictions actually occur is the overriding factor the data call is trying to identify. A programmatic agreement with the State Historic Preservation Office (SHPO) facilitates management of these sites.
  - b. No historic property has been identified on KANSAS ARMY AMMUNITION PLANT. There is a 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. Contact with Native Tribes has rarely occurred.
3. **Dredging (DoD Question # 226-228):**
  - a. Dredging allows for free navigation of vessels through ports, channels, and rivers. Identification of sites with remaining capacity for the proper disposal of dredge spoil is the primary focus of the profile. However, the presence of unexploded ordnance or any other impediment that restricts the ability to dredge is also a consideration.
  - b. KANSAS ARMY AMMUNITION PLANT has no impediments to dredging.
4. **Land Use Constraints/Sensitive Resource Areas (DoD Question #198-201, 238, 240-247, 254-256, 273):**
  - a. Land use can be encroached from both internal and external pressures. This resource area combines several different types of possible constraints. It captures the variety of constraints not otherwise covered by other areas that could restrict operations or development. The areas include electromagnetic radiation or emissions, environmental restoration sites (on and off installation), military munitions response areas, explosive safety quantity distance arcs, treaties, underground storage tanks, sensitive resource areas, as well as policies, rules, regulations, and activities of other federal, state, tribal and local agencies. This area also captures other constraining factors from animals and wildlife that are not endangered but cause operational restrictions. This resource area specifically includes

information on known environmental restoration costs through FY03 and the projected cost-to-complete the restoration.

- b. KANSAS ARMY AMMUNITION PLANT reports that 531 unconstrained acres are available for development out of 13727 total acres. KANSAS ARMY AMMUNITION PLANT has spent \$30.80000000000001M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$33M. KANSAS ARMY AMMUNITION PLANT has Explosive Safety Quantity Distance Arcs, none of which require safety waivers, and some with the potential for expansion. It has Military Munitions Response Areas.

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

- a. This area captures the extent of any restrictions on near shore or open water testing, training or operations as a result of laws protecting Marine Mammals, Essential Fish Habitat, and other related marine resources.
- b. KANSAS ARMY AMMUNITION PLANT 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. KANSAS ARMY AMMUNITION PLANT does not have noise contours that extend off the installation's property. It does not have published noise abatement procedures for the main installation. It has published noise abatement procedures for the training and/or RDT&E range.

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

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

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

- a. This resource area identifies whether the installation has existing waste treatment and/or disposal capabilities, whether there is additional capacity, and in some case whether the waste facility can accept off-site waste. This area includes Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal facilities, solid waste disposal facilities, RCRA Subpart X (open/burning/open detonation) and operations.

- b. KANSAS ARMY AMMUNITION PLANT has a permitted RCRA Treatment Storage and Disposal Facility (TSDF) . KANSAS ARMY AMMUNITION PLANT has an interim or final RCRA Part X facility that does not accept off-site waste. KANSAS ARMY AMMUNITION PLANT 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. KANSAS ARMY AMMUNITION PLANT discharges to an impaired waterway. Groundwater contamination is reported. Surface water contamination is reported. The installation reported restrictions or controls that limited the production or distribution of potable water.  
**(The following water quantity data is from DoD Question # 282, 291, 297, 822, 825, 826):**  
KANSAS ARMY AMMUNITION PLANT has 1524.5 Acre-Feet of surplus water potentially available for expansion. On average, it uses 0.189 MGD of potable and non-potable water, with the capacity to produce 1 MGD. It processed on average 0.27000000000000002 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 0.92000000000000004 MGD. It processed on average 0.01 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process 0.05769 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. KANSAS ARMY AMMUNITION PLANT reported 1.5% wetland restricted acres on the main installation, and no wetland restricted acres on ranges.

INSTALLATION ENVIRONMENTAL PROFILE  
**CRANE ARMY AMMUNITION ACTIVITY**

- 1. Air Quality (DoD Question #210-225):**
  - a. The Clean Air Act (CAA) establishes health-based standards for air quality and all areas of the country are monitored to determine if they meet the standards. A major limiting factor is whether the installation is in an area designated nonattainment or maintenance (air quality is not meeting the standard) and is therefore subject to more stringent requirements, including the CAA General Conformity Rule. Conformity requires that any new emissions from military sources brought into the area must be offset by credits or accounted for in the State Implementation Plan (SIP) emissions budget. The criteria pollutants of concern include: CO, O<sub>3</sub> (1 hour & 8 Hour), and PM (PM<sub>10</sub>, and PM<sub>2.5</sub>). Installations in attainment areas are not restricted, while activities for installations in non-attainment areas may be restricted. Non-attainment areas are classified as to the degree of non-attainment: Marginal, Moderate, Serious, and in the case of O<sub>3</sub>, Severe and Extreme. SIP Growth Allowances and Emission Reduction Credits are tools that can be used to accommodate increased emissions in a manner that conforms to a state's SIP. All areas of the country require operating permits if emissions from stationary sources exceed certain threshold amounts. Major sources already exceed the amount and are subject to permit requirements. Synthetic minor means the base has accepted legal limits to its emissions to stay under the major source threshold. Natural or true minor means the actual and potential emissions are below the threshold.
  - b. CRANE ARMY AMMUNITION ACTIVITY is in Attainment for all Criteria Pollutants. It holds a CAA Major Operating Permit.
- 2. Cultural/Archeological/Tribal Resources (DoD Question #229-237):**
  - a. Many installations have historical, archeological, cultural and Tribal sites of interest. These sites and access to them often must be maintained, or consultation is typically required before changes can be made. The sites and any buffers surrounding them may reduce the quantity or quality of land or airspace available for training and maneuvers or even construction of new facilities. The presence of such sites needs to be recognized, but the fact that restrictions actually occur is the overriding factor the data call is trying to identify. A programmatic agreement with the State Historic Preservation Office (SHPO) facilitates management of these sites.
  - b. Historic property has been identified on CRANE ARMY AMMUNITION ACTIVITY. There is a programmatic agreement for historic property in place with the SHPO. It has sites with high archeological potential identified, which restrict operations and do not restrict construction.
- 3. Dredging (DoD Question # 226-228):**
  - a. Dredging allows for free navigation of vessels through ports, channels, and rivers. Identification of sites with remaining capacity for the proper disposal of dredge spoil is the primary focus of the profile. However, the presence of unexploded ordnance or any other impediment that restricts the ability to dredge is also a consideration.
  - b. CRANE ARMY AMMUNITION ACTIVITY has no impediments to dredging.
- 4. Land Use Constraints/Sensitive Resource Areas (DoD Question #198-201, 238, 240-247, 254-256, 273):**
  - a. Land use can be encroached from both internal and external pressures. This resource area combines several different types of possible constraints. It captures the variety of constraints not otherwise covered by other areas that could restrict operations or development. The areas include electromagnetic radiation or emissions, environmental restoration sites (on and off installation), military munitions response areas, explosive safety quantity distance arcs, treaties, underground storage tanks, sensitive resource areas, as well as policies, rules, regulations, and activities of other federal, state, tribal and local agencies. This area also captures other constraining factors from animals and wildlife that are not endangered but cause operational restrictions. This resource area specifically includes

information on known environmental restoration costs through FY03 and the projected cost-to-complete the restoration.

- b. CRANE ARMY AMMUNITION ACTIVITY reports that 5999 unconstrained acres are available for development out of 62469 total acres. CRANE ARMY AMMUNITION ACTIVITY has spent \$68.40000000000006M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$52M. CRANE ARMY AMMUNITION ACTIVITY has Explosive Safety Quantity Distance Arcs, some of which require safety waivers, and none with the potential for expansion.

**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. CRANE ARMY AMMUNITION ACTIVITY 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. CRANE ARMY AMMUNITION ACTIVITY has noise contours that extend off the installation's property. Of the 4650 acres that extend to off-base property, 0 acres have incompatible land uses. It has published noise abatement procedures for the main installation. It has noise contours that extend off of the range property. Of the 44206 acres that extend to off-range property, 0 acres have incompatible land uses. It does not have published noise abatement procedures for the training and/or RDT&E range.

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

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

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

- a. This resource area identifies whether the installation has existing waste treatment and/or disposal capabilities, whether there is additional capacity, and in some case whether the waste facility can accept off-site waste. This area includes Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal facilities, solid waste disposal facilities, RCRA Subpart X (open/burning/open detonation) and operations.



INSTALLATION ENVIRONMENTAL PROFILE

**IOWA 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 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. IOWA AAP is in Attainment for all Criteria Pollutants. It holds a CAA Major Operating Permit.

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

- a. Many installations have historical, archeological, cultural and Tribal sites of interest. These sites and access to them often must be maintained, or consultation is typically required before changes can be made. The sites and any buffers surrounding them may reduce the quantity or quality of land or airspace available for training and maneuvers or even construction of new facilities. The presence of such sites needs to be recognized, but the fact that restrictions actually occur is the overriding factor the data call is trying to identify. A programmatic agreement with the State Historic Preservation Office (SHPO) facilitates management of these sites.
- b. No historic property has been identified on IOWA AAP. 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. Contact with Native Tribes has rarely occurred.

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

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

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

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

information on known environmental restoration costs through FY03 and the projected cost-to-complete the restoration.

- b. IOWA AAP reports that 1403 unconstrained acres are available for development out of 19011 total acres. IOWA AAP has spent \$79.70000000000003M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$67M. IOWA AAP has Explosive Safety Quantity Distance Arcs, none of which require safety waivers, and some with the potential for expansion. It has Military Munitions Response Areas. IOWA AAP reports being constrained by the laws, regulations, policies, or activities of non-DoD federal, tribal, state, or local agencies. IOWA AAP reports that its missions have been limited by existing or proposed activities of other military departments or other federal, tribal, state, or local agencies being located on the main installation, auxiliary airfield, or RDT&E range.

**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. IOWA 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. IOWA AAP does not have noise contours that extend off the installation's property. It has published noise abatement procedures for the main installation. It has published noise abatement procedures for the training and/or RDT&E range.

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

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

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

- a. This resource area identifies whether the installation has existing waste treatment and/or disposal capabilities, whether there is additional capacity, and in some case whether the waste facility can accept off-site waste. This area includes Resource Conservation and Recovery Act (RCRA) Treatment,

Storage and Disposal facilities, solid waste disposal facilities, RCRA Subpart X (open/burning/open detonation) and operations.

- b. IOWA AAP has a permitted RCRA Treatment Storage and Disposal Facility (TSDF). IOWA AAP has an interim or final RCRA Part X facility that does not accept off-site waste. IOWA AAP has an on-base solid waste disposal facility that is 85% filled.

**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. IOWA AAP does not discharge to an impaired waterway. Groundwater contamination is reported. Surface water contamination is reported.

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

IOWA AAP has 3228.9000000000001 Acre-Feet of surplus water potentially available for expansion. On average, it uses 0.40900099999999998 MGD of potable and non-potable water, with the capacity to produce 3.6000000000000001 MGD. It processed on average 0.89000000000000001 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 1.5 MGD. It processed on average 0.17000000000000001 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process 0.028 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. IOWA AAP reported less than 1% wetland restricted acres on the main installation, and no wetland restricted acres on ranges.

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Profile generated on 12/22/2004 with data as of 12/22/2004

INSTALLATION ENVIRONMENTAL PROFILE

**MCALESTER AAP**

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

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

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

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

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

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

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

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

- b. MCALESTER AAP reports that 29753 unconstrained acres are available for development out of 44964 total acres. MCALESTER AAP has spent \$12.199999999999999M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$8M. MCALESTER AAP has Explosive Safety Quantity Distance Arcs, some of which require safety waivers, and some with the potential for expansion. It has Military Munitions Response Areas. MCALESTER AAP reports being constrained by the laws, regulations, policies, or activities of non-DoD federal, tribal, state, or local agencies.

**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. MCALESTER 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. MCALESTER AAP does not have noise contours that extend off the installation's property. It has published noise abatement procedures for the main installation. It does not have published noise abatement procedures for the training and/or RDT&E range. It does not have published noise abatement procedures for the auxiliary airfield.

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

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

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

- a. This resource area identifies whether the installation has existing waste treatment and/or disposal capabilities, whether there is additional capacity, and in some case whether the waste facility can accept off-site waste. This area includes Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal facilities, solid waste disposal facilities, RCRA Subpart X (open/burning/open detonation) and operations.

- b. MCALESTER AAP has a permitted RCRA Treatment Storage and Disposal Facility (TSDF) .  
MCALESTER AAP has an interim or final RCRA Part X facility that accepts off-site waste.  
MCALESTER 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. MCALESTER AAP discharges to an impaired waterway. Groundwater contamination is not reported. Surface water contamination is not reported. The state requires permits for the withdrawal of groundwater.

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

MCALESTER AAP has 172 Acre-Feet of surplus water potentially available for expansion. On average, it uses 0.65000000000000002 MGD of potable and non-potable water, with the capacity to produce 1.4399999999999999 MGD. It processed on average 0.64000000000000001 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 0.29999999999999999 MGD. It processed on average 0.05 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process 0.75 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. MCALESTER AAP reported 6.9% wetland restricted acres on the main installation, and no wetland restricted acres on ranges.

Draft Deliberative Document-For Discussion Purposes Only-Do Not Release Under FOIA  
Profile generated on 12/22/2004 with data as of 12/22/2004  
**INSTALLATION ENVIRONMENTAL PROFILE**  
**MILAN AAP**

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

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

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

- a. Many installations have historical, archeological, cultural and Tribal sites of interest. These sites and access to them often must be maintained, or consultation is typically required before changes can be made. The sites and any buffers surrounding them may reduce the quantity or quality of land or airspace available for training and maneuvers or even construction of new facilities. The presence of such sites needs to be recognized, but the fact that restrictions actually occur is the overriding factor the data call is trying to identify. A programmatic agreement with the State Historic Preservation Office (SHPO) facilitates management of these sites.
- b. Historic property has been identified on MILAN AAP. There is a programmatic agreement for historic property in place with the SHPO. It has sites with high archeological potential identified, which do not restrict construction and do not restrict operations.

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

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

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

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

- b. MILAN AAP reports that 1848 unconstrained acres are available for development out of 22436 total acres. MILAN AAP has spent \$124.59999999999999M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$134M. MILAN AAP has Explosive Safety Quantity Distance Arcs, none of which require safety waivers, and some with the potential for expansion. It has Military Munitions Response Areas.

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

- a. This area captures the extent of any restrictions on near shore or open water testing, training or operations as a result of laws protecting Marine Mammals, Essential Fish Habitat, and other related marine resources.
- b. MILAN 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. MILAN AAP has noise contours that extend off the installation's property. Of the 433 acres that extend to off-base property, 0 acres have incompatible land uses. It has published noise abatement procedures for the main installation. It has noise contours that extend off of the range property. Of the 667 acres that extend to off-range property, 0 acres have incompatible land uses. It has published noise abatement procedures for the training and/or RDT&E range.

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

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

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

- a. This resource area identifies whether the installation has existing waste treatment and/or disposal capabilities, whether there is additional capacity, and in some case whether the waste facility can accept off-site waste. This area includes Resource Conservation and Recovery Act (RCRA) Treatment, Storage and Disposal facilities, solid waste disposal facilities, RCRA Subpart X (open/burning/open detonation) and operations.
- b. MILAN AAP has a permitted RCRA Treatment Storage and Disposal Facility (TSDF) that accepts off-site waste. MILAN AAP has an interim or final RCRA Part X facility that accepts off-site waste. MILAN AAP has an on-base solid waste disposal facility that is 0% filled.

**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. MILAN AAP does not discharge 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):**

MILAN AAP has 10713.799999999999 Acre-Feet of surplus water potentially available for expansion. On average, it uses 0.56000000000000005 MGD of potable and non-potable water, with the capacity to produce 2.496 MGD. It processed on average 0.05 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 0.0307 MGD. It processed on average 0.5999999999999998 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process 0.9789999999999998 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. MILAN AAP reported 1.6% wetland restricted acres on the main installation, and no wetland restricted acres on ranges.

**Pendaflex**

**Essence**

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PA

Handwritten notes on lined paper, including a header section with a title and several paragraphs of text. The text is mostly illegible due to blurriness and fading. There are two punch holes at the top of the page.





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**Pendaflex**

*Esselle*



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(Turning down into back. des/manufacturing)

- focus production shift
- <sup>trans</sup> ~~transition~~ to <sup>man</sup> ~~man~~ back
- compatible businesses
- back \$1 / productivity

\$30 mil cost of consolidation  
LBRAC funds

Recommendation does not  
impact jobs

## Kansas Army Ammunition Plant, Kansas

**Recommendation:** Close Kansas Army Ammunition Plant (AAP), KS. Relocate Sensor Fuzed Weapon/Cluster Bomb function and Missile warhead production to McAlester AAP, OK; 155MM ICM Artillery and 60MM, 81MM, and 120MM Mortar functions to Milan, TN; 105MM HE, 155MM HE, and Missile Warhead functions to Iowa AAP, IA; and Detonators/relays/delays to Crane Army Ammunition Activity, IN.

**Justification:** Capacity and capability for Artillery, Mortars, Missiles, and Pyro/Demo exists at numerous munitions sites. There are 8 sites producing Artillery, 5 producing Mortars, 9 producing Pyro/Demo, and 13 performing Demilitarization. To reduce redundancy and remove excess from the Industrial Base, the closure allows DoD to create centers of excellence, avoid single point failure, and generate efficiencies.

**Payback:** The total estimated one-time cost to the Department of Defense to implement this recommendation is \$25.15M. The net of all costs and savings to the Department during the implementation period is a savings of \$2.14M. Annual recurring savings to the Department after implementation are \$10.28M with a payback expected within 2 years. The net present value of the costs and savings to the Department over 20 years is a savings of \$101.44M.

**Economic Impact on Communities:** Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 276 jobs (167 direct jobs and 109 indirect jobs) over the period 2006-2011 in the Parsons, KS Micropolitan Statistical Area, which is 1.82 percent of the economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

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

**Environmental Impact:** This recommendation has possible water resources impact at McAlester and Crane. Significant mitigation measures must be taken to limit releases into waterway. This recommendation has potential impact on air quality at Crane AAA. Crane AAA may need upgrades to industrial wastewater treatment to handle additional lead wastes. Kansas AAP has domestic and industrial wastewater treatments plants that may require closure. This recommendation has no impact on dredging; marine mammals, resources, or sanctuaries; noise; threatened and endangered species or critical habitat; waste management; water resources; or wetlands. This recommendation will require spending approximately \$5.15M for environmental compliance activities. This cost was included in the payback calculation. Kansas reports approximately \$33.183M in environmental

## **DRAFT BRAC COMMISSION FINDINGS LANGUAGE RE:**

### ***Kansas Army Ammunition Plant – Parsons, Kansas***

#### **SECRETARY OF DEFENSE RECOMMENDATION**

Close Kansas Army ammunition plant. Relocate Sensor Fuzed Weapon / Cluster Bomb function and Missile warhead production to McAlester Army Ammunition Plant, Oklahoma; 155mm ICM Artillery and 60 mm, 81mm and 120mm Mortar functions to Milan, Tennessee; 105mm HE, and Missile Warhead functions to Iowa AAP, Iowa; and Detonators/relays/delays to Crane Army Ammunition Activity, Indiana.

#### **SECRETARY OF DEFENSE JUSTIFICATION**

Capacity and capability for Artillery, Mortars, Missiles, and Pyro / Demo exists at numerous munitions sites. There are 8 sites producing Artillery, 5 producing Mortars, 9 producing Pyro / Demo, and 13 performing Demilitarization. To reduce redundancy and remove excess from the Industrial Base, the closure allows DOD to Create centers of excellence, avoid single point failure, and generate efficiencies.

#### **COMMUNITY CONCERNS**

The Kansas Army Ammunition Plant is located in Labette County, Kansas near the town of Parsons, which is in the southeast corner of the State. The community did not oppose the closure of the Army Ammunition plant, but expressed significant concerns about their ability to redevelop the facilities and property of the site. The Plant is located in a very rural area of the State, with limited transportation access, which may inhibit redevelopment activity. The loss of 267 jobs will exacerbate the economic hardship that the region and Labette County already face. The community has proposed that the Government conduct an early transfer and clean-up of the Ammunition Plant to, be completed within 3 years. During this transition phase, the community proposes a \$1 dollar per annum lease to the Local Reuse Authority (LRA). At the conclusion of the clean-up and transition phase, the community proposes that the Government transfer all equipment, facilities and property to the LRA at no cost.

The community argues that due to the limited employment base in the region, it will be imperative for the community to expeditiously gain access, control and ownership of the former Kansas Army Ammunition Plant to create any hope of viable reuse efforts. Further, the community states that execution of this proposal will not affect U.S. Army production requirements, inasmuch as the Department of Defense has determined that the facility is excess capacity, and other Army installations already possess the capability to manufacture the weapons that the Kansas Army Ammunition Plant has provided to the Department of Defense. Finally, the community presented the case that an interim lease (lease in furtherance of conveyance) with the LRA during the accelerated clean-up and property transfer process, culminating in a no-cost conveyance, would reduce the Government's carrying cost for the property. .

## **COMMISSION RECOMMENDATION**

The Commission finds the Secretary of Defense did not deviate substantially from the force structure plan or the final criteria. The Commission, however, has determined that the prospects are extremely low that the Kansas Army Ammunition Plant property and facilities could be sold for any significant sum of monies to any public or private interest. Therefore, the Commission provides that the Army shall work with the LRA and the State of Kansas to implement an early transfer of the property and facilities at the Kansas Army Ammunition Plant, with the associated environmental services contract agreement for environmental clean-up, to the Local Reuse Authority and, that during the intervening period prior to the transfer, that the Army may execute a low-cost lease with the Local Reuse Authority.

23037 0007 22/1/11 00:31 AM INFORMATION AS SUPPLIED FAX NO. 185 116 0679 P. 002

# **KAAP Community Presentation to the BRAC Commission Staff**

*on behalf of the*

**Labette County Commissioners**

*Jerry D. Carson, Commissioner*

*Ronald Fundis*

*Carolyn Kennett*

*Mike McReynolds*





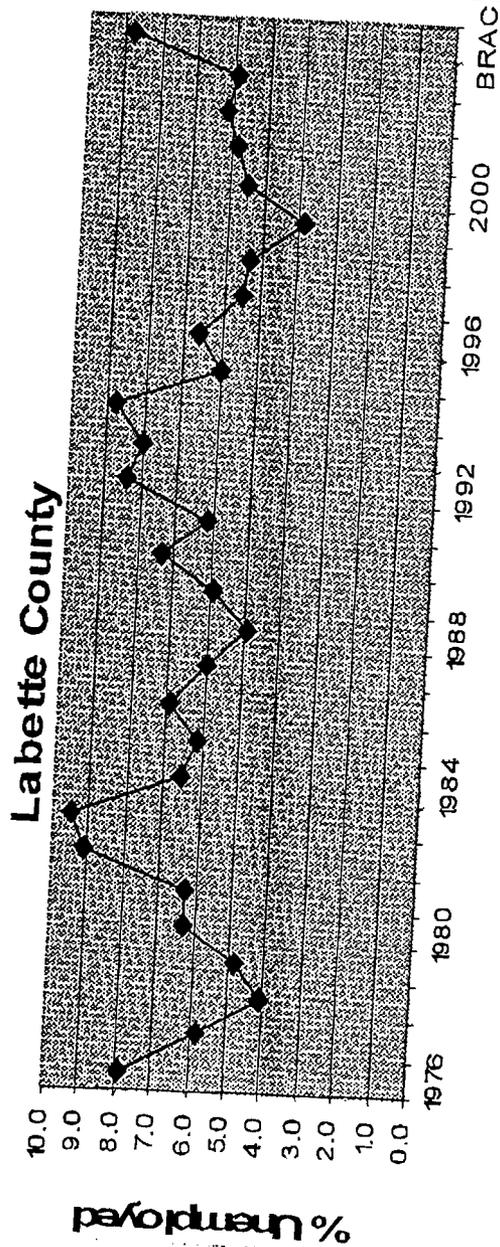
# Summary

- Transfer of land/equipment/facilities to community supports BRAC decision/intent
  - Requires minor BRAC language change regarding equipment
- Key stakeholders all benefit
  - Many DOD costs eliminated/reduced/avoided
  - Community retains jobs
  - Contractor still competes for DOD needs
  - BRAC closure of KAAP

# Impacts on the Communities

- Loss of at least 267 jobs
- Unemployment could increase to highest level since '83
- County believes job loss is understated
- Residential and non-residential property tax revenues at-risk
- Employment levels evaluated at the low point of recent history

Historic Unemployment



# KAAP Usage Summary

- KAAP has minimal demil usage
- KAAP using only 0.05% of munitions production capacity
- KAAP using 75% of their munitions storage capacity, which can not be relocated

Source: Pages 3, 8 and 9 of the Army's KAAP Briefing Book

# Summary

- Transfer of land/equipment/facilities to community supports BRAC decision/intent
  - Requires minor BRAC language change regarding equipment
- Key stakeholders all benefit
  - Many DOD costs eliminated/reduced/avoided
  - Community retains jobs
  - Contractor still competes for DOD needs
  - BRAC closure of KAAP

**Pendaflex**  
*Esselle*



18430

36%

PH

## POINTS OF CONTACT

### Kansas Army Ammunition Plant

STATE OF KANSAS

**Lieutenant Governor John Moore**

Chairman, Governor's Strategic Military Planning Commission  
(785-296-2213)

[John.Moore@Gov.State.KS.US](mailto:John.Moore@Gov.State.KS.US)

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Executive Director, Governor's Strategic Military Planning Commission  
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COMMUNITY OF PARSONS, KANSAS

**Mr. Jerry Carson**

Labette County Commissioner  
(620-421-2476)

[jdcarson@swbell.net](mailto:jdcarson@swbell.net)

**Mr. Jeff Donahoe**

Consultant to the Community of Parsons, Kansas  
603-491-0816

[jeff@teamdonohoe.com](mailto:jeff@teamdonohoe.com)

INDUSTRIAL JOINT CROSS SERVICE GROUP

July 28, 2005

MEMORANDUM FOR R. GARY DINSICK, ARMY TEAM LEADER

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

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

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

Response:

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

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)	6920.72
105MM TANK (MP)	26.12
155MM ICM ARTILLERY (MP)	13239.583
5" NAVY GUN (MP)	7584.72
60MM MORTAR (MP)	Private Industry
76MM NAVAL GUN AMMUNITION (MP)	2,127.07
81MM MORTAR (MP)	Private Industry
MLRS (Submunitions) (MP)	2,383,836

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

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

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



Jay Berry  
Executive Secretary

INDUSTRIAL JOINT CROSS SERVICE GROUP

July 28, 2005

MEMORANDUM FOR R. GARY DINSICK, ARMY TEAM LEADER

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

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

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

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

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

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

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

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

Response:

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

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

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

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

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

Response:

- 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.

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

Response:

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

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

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

○ GOGO:

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

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

Response: The Department of the Army concurred with these recommendations

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

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

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

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

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

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

Response:

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

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

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

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

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

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

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

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

  
Jay Berry  
Executive Secretary

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

**MEMORANDUM OF MEETING**

**DATE:** July 13, 2005

**TIME:** 10:00 AM

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

Labette County, KS representatives

**SUBJECT:**

Kansas Army Ammunition Plant

**PARTICIPANTS:**

*Name/Title/Phone Number:*

**Jerry D. Carson**, Labette County Commissioner (620) 795-2138

**Carolyn Kennett**, Economic Development Director, City of Parsons, KS. (620) 420-7030

**Ronald J Fundis**, President (ret), Labette Community College (620) 820-1223

**John Armbrust**, Executive Director, Governor's Strategic Military Planning Commission (785) 776-8829

**Mike McReynolds**, (816) 805-7169

**Jeffery Donohoe**, Jeffery Donohoe Associates LLC, (603) 568-5912

*Commission Staff:*

George Delgado, Industrial-Joint Cross Services Issues Team Analyst

\*Don Manuel, Army Team Analyst

**SUMMARY/NOTES:**

- The community, City of Parsons in Labette County, supports the closure and sees opportunities for the future.
- The community wants the recommendation to say that DoD will abandon/transfer at no cost all equipment, personal property in place for the benefit of the Community.
- The Community wants early cleanup and fast transfer to accelerate reuse and development on unused portions of the property.
- The Community would like to keep the existing contractor in place as a tenant who is available to compete for future DoD work.

- The Community wants to take ownership of the land/equipment/facilities.
- The Community believes that DoD can eliminate ownership costs by transferring land and equipment to the Community. This would allow the Community to enter into an arrangement with the current producer who would compete for DoD work thereby retaining the jobs in the community and avoiding the onetime cost that DoD will incur by transferring the equipment and establishing a new line at Crane AAP, IN. The recommendation also moves other product lines to McAlester AAP, OK, Milan, TN and, Iowa AAP, IA.
- The Community intends to submit to the Commission by 1 August 2005, a proposal for a "minor" language change in the BRAC recommendation for Kansas AAP.
- A munitions production chart from an Army briefing book was provided to illustrate their view that the current usage/capacity of some production sites has been overstated even though they did not challenging the data on Kansas AAP.
- The group understood that most of their issues were implementation issues and they stated that they had already had discussion with appropriate organizations within the Pentagon.
- Kansas AAP has approximately 13,800 acres of space, and no additional tenants except its operating contractor Day & Zimmermann. Equipment at the plant is 60% government owned, 40 % contractor owned and operating software belongs to the contractor. Kansas AAP has 212 ammunition storage igloos currently filled to 75% of storage capacity.

Meeting was adjourned at 11:00AM, July 13, 2005.

\* Person responsible for this Memorandum: Donald R Manuel

# **KAAP Community Presentation to the BRAC Commission Staff**

*on behalf of the*

**Labette County Commissioners**

*Jerry D. Carson, Commissioner*

*Ronald Fundis*

*Carolyn Kennett*

*Mike McReynolds*

# **Community's Preferred Approach**

- Community supports closure
- Request excess capacity be removed in accordance with the Secretary's request
  - Abandon/transfer all equipment, personal property, etc. in-place, for the benefit of the Community
  - Possible lease in furtherance of conveyance in '06
- Propose Early Transfer and Clean-up
  - Accelerate new development on unused portions of KAAP
- Community and Contractor will work cooperatively to ensure that capability/capacity is available for to compete for Army needs

# Key Stakeholder Benefits

- Community keeps jobs, takes ownership of land/equipment/ facilities
- Operating contractor still competes for DoD requirements
- Keeps a U.S. firm in place as a DoD supplier for munitions manufacturing
- DoD has low cost competitive producer providing requirements
- DoD eliminates ownership costs, transfer costs, set-up costs, new equipment costs, (BRAC one time costs) etc.
- No downtime due to movement of the line

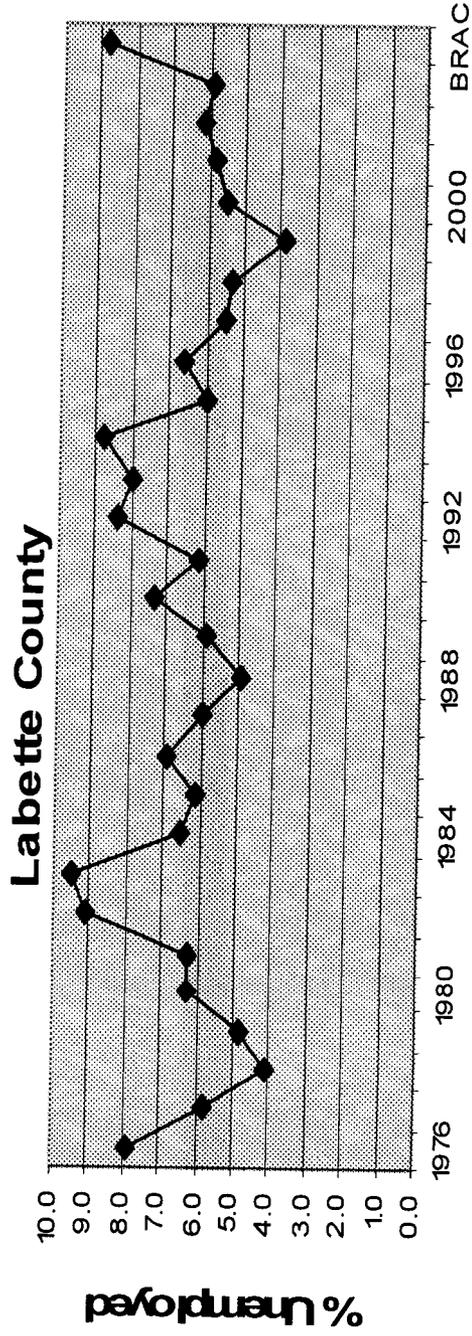
# Summary

- Transfer of land/equipment/facilities to community supports BRAC decision/intent
  - Requires minor BRAC language change regarding equipment
- Key stakeholders all benefit
  - Many DOD costs eliminated/reduced/avoided
  - Community retains jobs
  - Contractor still competes for DOD needs
  - BRAC closure of KAAP

# Impacts on the Communities

- Loss of at least 267 jobs
  - Unemployment could increase to highest level since '83
  - County believes job loss is understated
- Residential and non-residential property tax revenues at-risk
- Employment levels evaluated at the low point of recent history

Historic Unemployment



# **KAAP Usage Summary**

- KAAP has minimal demil usage
- KAAP using only 0.05% of munitions production capacity
- KAAP using 75% of their munitions storage capacity, which can not be relocated

• Source: Pages 3, 8 and 9 of the Army's KAAP Briefing Book

# Summary

- **Transfer of land/equipment/facilities to community supports BRAC decision/intent**
  - Requires minor BRAC language change regarding equipment
- **Key stakeholders all benefit**
  - Many DOD costs eliminated/reduced/avoided
  - Community retains jobs
  - Contractor still competes for DOD needs
  - BRAC closure of KAAP

**Munitions  
Production**

Site	Current Capacity	Current Usage	Maximum Capacity	Capacity Required to Surge	Capacity Available to Surge/Excess Capacity	Current Usage/Current Capacity	Current Usage/Maximum Capacity
CRANE	513,720.00	31,486.00	684,360.00	0	652,874.00	6.13%	4.60%
HOLSTON	300,000.00	957,340.00	1,300,000.00	0	342,660.00	319.11%	73.64%
IOWA	224,692.00	31,490.00	232,692.00	0	201,202.00	14.01%	13.53%
KANSAS	535,992.00	246.00	3,581,828.00	0	3,581,582.00	0.05%	0.01%
LAKE CITY	71,030,000.00	60,680,400.00	86,937,000.00	0	26,256,600.00	85.43%	69.80%
LONE STAR	24,143,996.00	664,901.00	24,143,996.00	0	23,479,095.00	2.75%	2.75%
LOUISIANA	0	0.00	20,000.00	0	20,000.00	N/A	0.00%
MCALESTER	39,625.00	15,187.00	64,627.00	0	49,440.00	38.33%	23.50%
MILAN	1,150,275.00	324,440.00	1,160,475.00	0	836,035.00	28.21%	27.96%
MISSISSIPPI	0	0.00	4,000,000.00	0	4,000,000.00	N/A	0.00%
NAVYURFWARCEMENDIV_INDIAN_HEAD_MD	514,687.00	34,913.00	965,607.00	0	930,694.00	6.78%	3.62%
NSWC_INDIAN_HEAD_DET_YORKTOWN	3,510.00	4.00	3,510.00	0	3,506.00	0.11%	0.11%
PINE BLUFF ARSENAL	154,200.00	45,058.00	585,080.00	0	540,022.00	29.22%	7.70%
RADFORD	883,596.00	1,407,986.00	3,431,315.00	0	2,023,329.00	159.35%	41.03%
RIVERBANK	15,000.00	5,000.00	1,068,000.00	0	1,063,000.00	33.33%	0.47%
SCRANTON	46,000.00	37,000.00	50,000.00	0	13,000.00	80.43%	74.00%

Source: Army Briefing Book for Kansas Army Ammunition Plant, Page 8 of 165

**Brent, Sharee, CTR, WSO-BRAC**

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**Subject:** Community Mtg w/ Labet Co. Kansas, POC Gary Dinsick  
**Location:** Large Conference Room  
**Start:** Wed 7/13/2005 10:00 AM  
**End:** Wed 7/13/2005 11:00 AM  
**Recurrence:** (none)  
**Meeting Status:** Meeting organizer  
**Required Attendees:** Dinsick, Robert, CIV, WSO-BRAC

POC: Jeff Donahoe, 603-568-5912

Attendees:  
Jeff Donahoe  
Jerry Carson  
Mike McReynolds  
Ronald Fundis  
Carolyn Kennett

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

**MEMORANDUM OF MEETING**

**DATE:** June 8, 2005

**TIME:** 9:00 AM

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

Day & Zimmermann Corp. Group

**SUBJECT:**

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

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

**PARTICIPANTS:**

*Name/Title/Phone Number:*

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

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

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

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

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

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

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

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

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

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

*Commission Staff:*

Gary Dinsick, Army Team Leader

Elizabeth Bieri, Army Team Analyst

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

**SUMMARY/NOTES:**

**Hawthorne Army Ammunition Depot**

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

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

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

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

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

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

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

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

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

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

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

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

# ATTACHMENT 1

*received from D11 8/20/2005*

# IJCSG - Munitions/Armaments Capacity Report - Capacity By Site

Site	Function	Category	Current Capacity*	Current Usage*	Maximum Capacity*	Capacity in Excess of Current Usage*
USA	KANSAS ARMY AMMUNITION PLANT					
	MUNITIONS DEMILITARIZATION					
	DEPLETED URANIUM AMMO		57.0	1.0	57.0	56.0 -- 56.0
	HE BOMBS		17.0	0.0	17.0	17.0 -- 17.0
	HE ICM/BU & SUBMUNITIONS		17.0	0.0	17.0	17.0 -- 17.0
	HIGH EXPLOSIVE MUNITIONS		142.0	2.5	142.0	139.5 -- 139.5
	INERT		17.0	1.5	17.0	15.5 -- 15.5
	NO FAMILY		0.0	0.0	0.0	0.0 -- 0.0
	PROPELLENTS		63.0	1.0	63.0	62.0 -- 62.0
	SMALL CAL AMMO/FUZES/MISC		63.0	1.0	63.0	62.0 -- 62.0
	<b>Site Total</b>		<b>376.0</b>	<b>7.0</b>	<b>393.0</b>	<b>369.0 -- 366.0</b>
	<b>Percent of Capacity Not Utilized</b>					<b>98.1% -- 98.2%</b>

## Munitions Production

Artillery	22,580.0	0.0	35,360.0	22,580.0 -- 35,360.0
Cluster Bombs	112.0	116.0	3,112.0	-4.0 -- 2,996.0
Missiles	1,300.0	130.0	1,336.0	1,170.0 -- 1,206.0
Mortar	0.0	0.0	30,000.0	0.0 -- 30,000.0
Pyro/Demo	0.0	0.0	3,000,000.0	0.0 -- 3,000,000.0
Rockets	512,000.0	0.0	512,000.0	512,000.0 -- 512,000.0
<b>Site Total</b>	<b>535,992.0</b>	<b>246.0</b>	<b>3,581,828.0</b>	<b>535,746.0 -- 3,381,562.0</b>
<b>Percent of Capacity Not Utilized</b>				<b>100.0% -- 100.0%</b>

\* Capacity is measured in cblps for Armaments Production/Manufacturing and Munitions Maintenance Functions, and in cblps for Munitions Demilitarization. All capacity is applicable for Munitions Production.

# IJCSG - Munitions/Armaments Capacity Report - Capacity By Site

Site	Function	Category	Current Capacity*	Current Usage*	Maximum Capacity*	Capacity in Excess of Current Usage*
USA	KANSAS ARMY AMMUNITION PLANT MUNITIONS STORAGE	EXPLOSIVE ABOVE GROUND	255.6	155.5	255.6	100.1 -- 100.1
		Explosive Earth Covered	3.6	3.0	3.6	0.6 -- 0.6
		OTHER EXPLOSIVE STORAGE	979.3	737.4	979.3	241.9 -- 241.9
		<b>Site Total</b>	<b>1,238.5</b>	<b>895.9</b>	<b>1,238.5</b>	<b>342.6 -- 342.6</b>
Percent of Capacity Not Utilized						<b>27.7% -- 27.7%</b>

\* Capacity is measured in dthk for Armaments Production/Manufacturing and Munitions Manufacturing facilities, and in lbs for Munitions Storage facilities (or each) as applicable for Munitions Production.

Report Date: Thursday, April 21, 2005

Database Date: April 18, 2005

Deliberative Document - For Discussion Purposes Only

Do Not Release Under FOIA

# Attachment 1

## DoD BRAC KSAAP Munitions/Armaments Capacity Report - Capacity by Site

	What Is This	Current Capacity	Current Usage	Maximum Capacity	Capacity in Excess of Current Usage	
Artillery	155mm, M795 & 105mm	22,580	-	35,380	35,380	
Cluster Bombs	SFW (Expressed in terms of BLU-108s)	112	116	3,112	(4)	
Missiles	BLU-108's for JSOW	1,300	130	1,336	1,206	
Mortar	60mm, 81mm, 120mm	-	-	30,000	30,000	
Pyro/Demo 0	Detonators (Line Inactive & Requires Major Facilitization)	-	-	3,000,000	3,000,000	
Rockets	Grenades & MLRS	512,000	-	512,000	512,000	
Total		535,992	246	3,581,828	3,581,582	
Percent of Capacity Not Utilized					100.0%	100.0%

**KSAAP - Revised Analysis**      **Attachment 1**  
**Munitions/Armaments Capacity Report - Capacity by Site**  
 Corrected for Unit Quantities

	What Is This	Current Capacity	Current Usage	Maximum Capacity	Capacity in Excess of Current Usage
Artillery	155mm, M795	12,800	10,000	12,800	2,800
Artillery	105mm	12,800	-	12,800	2,800
Cluster Bombs	SFW (Expressed in terms of BLU-108s)	600	280	600	320
Missiles	BLU-108's for JSOW	1,300	130	1,300	1,170
Mortar	60mm	12,000	10,000	20,000	2,000
Mortar	81mm	10,000	10,000	10,000	10,000
Mortar	120mm	8,000	-	8,200	-
Pyro/Demo 0	Detonators (Line Inactive & Requires Major Facilitization)	-	-	-	-
Rockets	Grenades & MLRS	512,000	-	512,000	512,000
Total		569,500	20,410	577,700	526,290
<b>Percent of Capacity Not Utilized</b>				<b>91.0%</b>	<b>91.1%</b>

**Capacity Measured as Weighted Quantities (weighted by hours per unit)**

	What Is This	Current Capacity	Current Usage	Maximum Capacity	Capacity in Excess of Current Usage
Artillery	155mm, M795	7,680	6,000	7,680	1,680
Artillery	105mm	4,992	-	4,992	3,200
Cluster Bombs	SFW (Expressed in terms of BLU-108s)	6,000	2,800	6,000	3,200
Missiles	BLU-108's for JSOW	10,400	1,040	10,400	9,360
Mortar	60mm	2,088	1,740	3,480	1,740
Mortar	81mm	3,790	-	3,790	-
Mortar	120mm	3,360	-	3,444	-
Pyro/Demo 0	Detonators (Line Inactive & Requires Major Facilitization)	-	-	-	-
Rockets	Grenades & MLRS	9,956	-	9,956	9,956
Total		48,266	11,580	49,742	25,936
<b>Percent of Capacity Not Utilized</b>				<b>50.9%</b>	<b>52.1%</b>

# **ATTACHMENT 2**

## Munitions Production Capacity by Munitions Commodity Family

**Question:** Fill in the table below:

1) For columns "End Items" and "Components", please indicate with a "Y" (yes) or "N" (no) which you have capacity. (NOTE: If you have both "end item" and "component" enter the data for the end-item only.)

2) For "Current Capacity" columns, enter the current capacity amount in the appropriate column ("EA" (each) or "lbs" (pounds/month)). Current capacity is the expected monthly output from utilization of ALL ACTIVE lines or workstations running ONE shift (40 hours), under current operating conditions on a concurrent basis.

3) For "Current Usage" columns, enter the current usage amount in the appropriate column ("EA" (each) or "lbs" (pounds/month)). Current usage is the expected monthly output from that portion of the current capacity that is actually in use or on contract.

4) For "Maximum Capacity" columns, enter the current capacity amount in the appropriate column ("EA" (each) or "lbs" (pounds/month)). Using current capacity as a baseline, maximum capacity is the total monthly output attainable running ONE shift (40 hours), with full utilization of ALL LINES or workstations, active and inactive, on a concurrent basis. Maximum capacity INCLUDES hiring skilled labor and reactivation of inactive lines, but EXCLUDES facility expansion).

**Amplification:** QUESTION/INSTRUCTIONS.

This question is to be answered by government-owned, government operated (GOGO) and government-owned, contractor-operated (GOCO) facilities performing the following activities: munitions and/or armaments production; depot level munitions storage; deepstow and short-term storage; depot level munitions and/or armaments maintenance; munitions and/or armaments demilitarization and repair at traditional depot- and intermediate-levels as defined below.

Please fill in the following table(s)

Commodity Family	End Item (Yes/No)	Component (Yes/No)	Current Capacity (Ea)	Current Capacity (lbs)	Current Usage (Ea)	Current Usage (lbs)	Maximum Capacity (Ea)	Maximum Capacity (lbs)
60mm Mortar	Y	Y	12,000	0	10,000	0	12,000	0
81mm Mortar	Y	Y	10,000	0	0	0	10,000	0
120mm Mortar	Y	Y	8,000	0	0	0	8,200	0
105mm HE Artillery	Y	N	12,800	0	0	0	12,800	0
105mm Artillery (Other)	0	0	0	0	0	0	0	0
155mm HE Artillery	Y	N	12,800	0	10,000	0	12,800	0
155mm ICM Artillery	Y	N	12,800	0	12	0	12,800	0
155mm Artillery (Other)	0	0	0	0	0	0	0	0
MLRS Artillery	N	Y	512,000	0	0	0	512,000	0
Detonators/Delays/Relays	N	Y	1,028,000	0	0	0	1,028,000	0
Tomahawk Missile	N	Y	12	0	0	0	12	0
Shoulder-Launched Multipurpose Assault Weapon	N	Y	1250	0	0	0	2500	0
SFW/CBU-97/CBU105	Y	Y	60	0	28	0	60	0
CBU-87	Y	Y	1,500	0	0	0	01,500	0
BLU-108	Y	Y	200	0	520	0	200	0

155mm ICM ARTILLERY/M864 Currently Producing M864 Rounds to be utilized in the testing of the M42/M46 Grenades with the Self-Destruct Fuzes.

MLRS Artillery: M77 Grenade/Component

DETONATORS: M55

TOMAHAWK MISSILE: Payload Module Assembly/Component

KSAAP - Significant Production Contracts

Attachment 2

Item	Customer	Contract Number	Prime Contract Number	Item Produced	Quantity	Converted to Monthly DoD Definitions	Start Date	Finish Date
1	Textron Systems Corporation	28027	F08626-96-C-0001	SFW (FRP 1)	529	441	2/6/1997	1/23/1998
2	Textron Systems Corporation	75969	F08626-97-C-0003	SFW (FRP 2)	585	488	1/21/1998	3/19/1999
3	Textron Systems Corporation	L473PO114359	F08626-98-C-0002	SFW (FRP 3)	556	463	6/14/1999	1/14/2000
4	Textron Systems Corporation	L473PO143311	F08626-99-C-0008	SFW (FRP 4)	304	253	2/15/2000	12/31/2000
5	Textron Systems Corporation	L473PO175170	F08635-00-C-0009	SFW (FRP 5)	304	253	2/8/2001	3/29/2002
6	Textron Systems Corporation	L473PO210361	F08635-01-C-0005	SFW (FRP 6)	301	251	1/2/2002	12/31/2002
7	Textron Systems Corporation	L473PO232752	F08635-01-C-0005	SFW (FRP 7)	301	251	1/10/2003	1/16/2004
8	Textron Systems Corporation	PO246800	F08635-03-C-0022	SFW (FRP 8)	350	292	12/23/2004	2/18/2005
9	Textron Systems Corporation	PO246800	FA8677-04-C-0071	SFW (FRP 9)	320	267	1/3/2005	Open
10	US Army ARDEC	(Additional Options pending)	DAAE30-03-C-1166	LAP 155mm, HE M795 Projectiles	111,015	10,000	9/30/2003	3/30/2006
11	US Army ARDEC		DAAE30-02-1004	60mm Mortars	373,358	10,000	11/15/2001	Open

# **ATTACHMENT 3**

# IJCSG - Munitions/Armaments Capacity Report - Capacity By Site

Site	Function	Category	Current Capacity*	Current Usage*	Maximum Capacity*	Capacity in Excess of Current Usage*
USA	MILAN AAP					
	Munitions Production					
	Artillery					
	Medium Cal		28,520.0	7,715.0	28,520.0	20,805.0
	Mines		853,251.0	316,658.0	853,251.0	536,593.0
	Missiles		0.0	0.0	10,200.0	0.0
	Mortar		43.0	5.0	43.0	38.0
	Pyro/Demo		93,831.0	0.0	93,831.0	93,831.0
	Tank		142,390.0	62.0	142,390.0	142,328.0
	Site Total		32,240.0	0.0	32,240.0	32,240.0
	Site Total		1,150,275.0	324,440.0	1,160,475.0	825,835.0
	Percent of Capacity Not Utilized					71.8%
						--72.0%
	MUNITIONS STORAGE					
	EXPLOSIVE ABOVE GROUND					
	Explosive Earth Covered		181.6	120.4	181.6	61.2
	OTHER EXPLOSIVE STORAGE		53.3	11.7	53.3	41.6
	Site Total		3,023.2	697.8	3,023.2	2,325.4
	Site Total		3,258.1	829.9	3,258.1	2,428.2
	Percent of Capacity Not Utilized					74.5%
						--74.5%

\* Capacity is measured in (lbs) for Armaments/Production/Manufacturing and Munitions Maintenance functions, and in (lbs) for Munitions Storage and (kg or sec) as applicable for Munitions Production.

# Attachment 1

## KSAAP - Revised Analysis Munitions/Armaments Capacity Report - Capacity by Site Corrected for Unit Quantities

	What Is This	Current Capacity	Current Usage	Maximum Capacity	Capacity in Excess of Current Usage	
Artillery	155mm, M795	12,800	10,000	12,800	2,800	
Artillery	105mm	12,800		12,800		
Cluster Bombs	SFW (Expressed in terms of BLU-108s)	600	280	600	320	
Missiles	BLU-108's for JSOW	1,300	130	1,300	1,170	
Mortar	60mm	12,000	10,000	20,000	10,000	
Mortar	81mm	10,000		10,000		
Mortar	120mm	8,000		8,200		
Pyro/Demo 0	Detonators (Line Inactive & Requires Major Facilitization)	-	-	-	-	
Rockets	Grenades & MLRS	512,000	-	512,000	512,000	
Total		569,500	20,410	577,700	526,290	
<b>Percent of Capacity Not Utilized</b>					<b>91.0%</b>	<b>91.1%</b>

## Capacity Measured as Weighted Quantities (weighted by hours per unit)

	What Is This	Current Capacity	Current Usage	Maximum Capacity	Capacity in Excess of Current Usage	
Artillery	155mm, M795	7,680	6,000	7,680	1,680	
Artillery	105mm	4,992		4,992		
Cluster Bombs	SFW (Expressed in terms of BLU-108s)	6,000	2,800	6,000	3,200	
Missiles	BLU-108's for JSOW	10,400	1,040	10,400	9,360	
Mortar	60mm	2,088	1,740	3,480	1,740	
Mortar	81mm	3,790		3,790		
Mortar	120mm	3,360		3,444		
Pyro/Demo 0	Detonators (Line Inactive & Requires Major Facilitization)	-	-	-	-	
Rockets	Grenades & MLRS	9,956		9,956	9,956	
Total		48,266	11,580	49,742	25,936	
<b>Percent of Capacity Not Utilized</b>					<b>50.9%</b>	<b>52.1%</b>



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### BRAC Recommendation and Justification

- DOD recommended closure of Kansas and Lone Star AAPs due to overcapacity of the industrial base
- Kansas Justification: To reduce redundancy and remove excess from the Industrial Base, the closure allows DoD to create centers of excellence, avoid single point failure, and generate efficiencies.
- Lone Star Justification: To reduce redundancy and remove excess from the Industrial Base, the closure allows the DoD to create centers of excellence, avoid single point failure, and generate efficiencies. Goal is to establish multi-functional sites. Lone Star performs only one of 4 functions.

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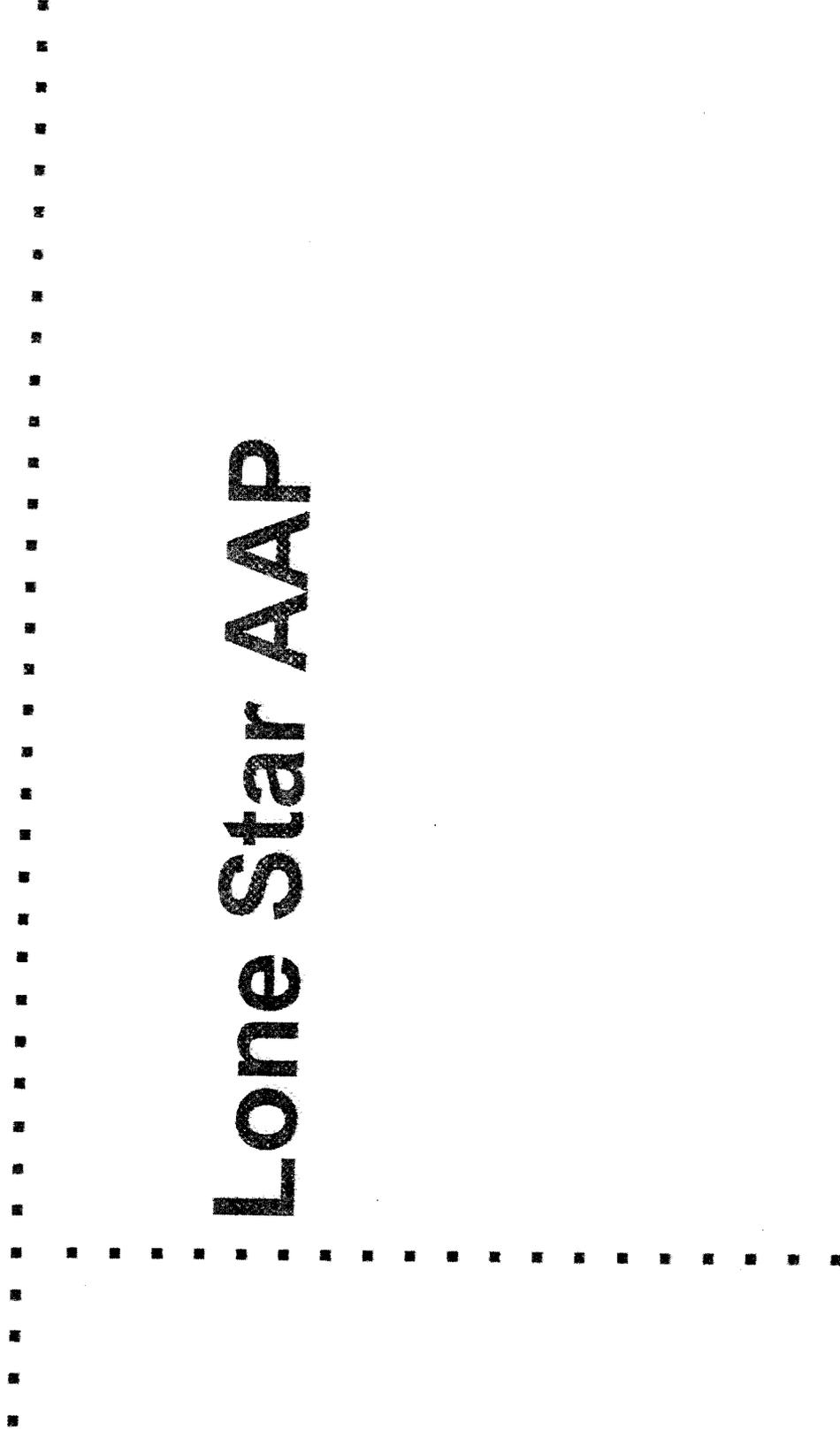
Competition is the real answer to rationalize capacity  
Directed capacity ignores the proven benefits of competition

- Over the last few years, successful competition has created more activity at both Kansas and Lone Star.
- Competition is the best way to achieve the same reduction of capacity, reduce the cost of ammunition, while maintaining high quality, without the costs associated with closure.
- The answer
  - Privatize Kansas and Lone Star in place
  - Continue PEO Ammo's push toward full systems competition
    - Without workloading



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# Lone Star AAP

July 2003

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## BRAC ANALYSIS ERRORS

- The data used to generate the closure of Lone Star is faulty
  - Employment is higher than reported – high enough to deserve a site visit
  - Capability and current utilization was understated
  - No recognition of single source capability that others have been unsuccessful in manufacturing
  - No cost built in to acquire privately owned intellectual property and equipment
  - Assumption of competed work going to the receiving installation may not be true since in a lot of cases the competed work will be won by Canada
    - If work directed, then no benefit of competition will be achieved as currently exists
    - If work goes to Canada, than transfer costs will not be recouped

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Lone Star AAP has critical capabilities and intellectual property that will be lost...

- **Much of the intellectual property belongs to Day & Zimmermann**
  - Designs for production equipment, processes, and tooling
  - Process control programs developed for production of detonators, self-destruct fuzes, and other products
  - Patents on critical production equipment: Chamlee Loader (US #3426946), Cargile Scooper (US #3383020), and Cone & Explosive Extractor (pending)
  
- **Lone Star has critical capabilities**
  - Produces, stores, maintains, upgrades, and demilitarizes munitions – *the full scope of activity*
  - Loaded Components (Primers, Detonators, Delays, etc.)
  - FASCAM Gator, Volcano, MOPMS
  - Artillery ICM 105mm, 155mm, MLRS (Grenades)
  - Hand Grenades (HE)
  - M223/M239 fuze production – *relocated to meet M77/M101 grenade production requirements*
  - M53 Delay, M59 Detonator, M67 Hand Grenade, and M223/M239 Fuze Production – *Lone Star sole source items*

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Privatization is the most cost effective method to implement DoD's recommendations...

One-Time Costs	Closure (\$k)	Privatization (\$k)
O&M		
Civ Salary	426	426
Civ Moving	142	142
Unemployment	31	31
Other	7,021	1,918
Mil Personnel		
Other	21	21
Other		
Environmental	5,350	0
1-Time Other	15,984	0
<b>Total One-Time Costs</b>	<b>28,975</b>	<b>2,538</b>
<b>Total One-Time Savings w/Privatization</b>		<b>26,437</b>

*With privatization the avoidance of relocating the capabilities results in a one-time savings to DoD of \$26.4M – Also the annual net recurring savings of \$17.3M will remain the same as closure*

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The best outcome is for the Commission to recommend that the Lone Star AAP be privatized-in-place

**Benefits to privatization-in-place include...**

- Reduces the organic base footprint while maintaining capabilities
- Lone Star would be operated at no-cost to the government
- Reduces one-time cost to implement the recommendation by \$26.4M and provides the same net recurring savings as closure of \$17.3M
- Retains competitive forces within the US industrial base without cost of ownership
- Preserves D&Z intellectual property and surge capacity at no cost to the Government
- Retains jobs and on-going business
- Allows the redevelopment of excess real estate



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**Kansas AAP**

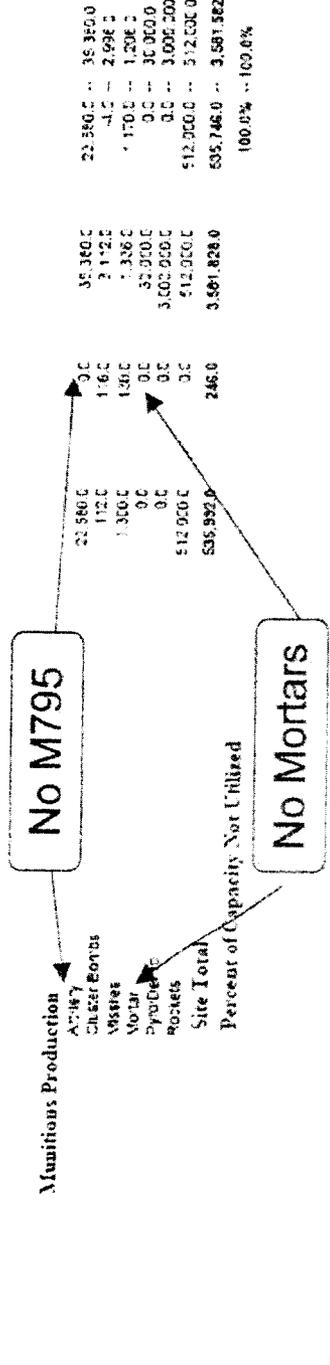
July 2003





# JCSG - Munitions/Armaments Capacity Report - Capacity By Site

Site	Function	Category	Current Capacity	Current Usage	Maximum Capacity	Capacity in Excess of Current Usage	
USA	KANSAS ARMY AMMUNITION PLANT MUNITIONS DEMILITARIZATION	DEPLETED USAS, UNAVANG	570	10	570	560	
		45 BOCARB	170	0	170	170	
		WEAPONRY & SUBMUNTS DMS	170	0	170	170	
		4.5" EXPLOSIVE MUNITIONS	1420	25	1420	1395	
		INERT	170	15	170	155	
		NO FAMILY	0	0	0	0	
		PROPELLENTS	630	10	630	620	
		SMALL CAL AMMO/PROPAGANTS	630	10	630	620	
		<b>Site Total</b>	<b>3760</b>	<b>70</b>	<b>3330</b>	<b>3850</b>	
		<b>Percent of Capacity Not Utilized</b>					<b>98.1%</b>
							<b>-98.2%</b>



Capacity is calculated in the following manner: We calculate the Maximum Capacity for each category and then we calculate the capacity for each category. We then calculate the total capacity for each category and then we calculate the total capacity for the site. We then calculate the percent of capacity not utilized for each category and then we calculate the percent of capacity not utilized for the site.

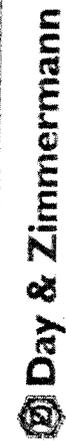
Report Date: Thursday, April 11, 2003  
 Database Date: April 10, 2003

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No Anti-Personnel Landmine Alternatives (Spider)

No warheads listed  
 M72 LAW, SMAW-D,  
 LOS-MP



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### **Privatizing KSAAP Is the Best Solution Within BRAC**

- DoD retains an ongoing munitions manufacturing capability without cost of ownership.
- Precludes millions of dollars from DoD for the cost and schedule impacts through attempts to relocate work.
- Maintains specialized talent in munition production at no cost to the government.
- Reduction of DoD facilities is accomplished.
- DZI owns many of the processes, procedures, controls software and critical equipment used in the production of ammunition products. The cost to acquire or redevelop has not been included in the DoD recommendations. \$\$\$

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## Privatizing KSAAP Is the Best Solution Within BRAC

- **Cost Savings Will Result From Privatizing KSAAP**
  - Significant learning curve and production cost increases resulting from attempts to move SFW.
  - Privatization promotes competition with the munitions industry and forces indirect cost reductions at GOCO's (Iowa AAP and Milan AAP)
    - Rand Study recommended privatization.
  - Privatization promotes continuous improvement.

**NOW THEREFORE, IT IS HEREBY PROCLAIMED BY THE BOARD OF COUNTY COMMISSIONERS OF LABETTE COUNTY, KANSAS, that it will support a BRAC recommendation which incorporates specific language calling for the privatization of ownership of all KSAAP real property and infrastructure in a Local Redevelopment Authority "LRA" and the continued location of all government owned manufacturing, office and other related equipment and fixtures for the purpose of providing facilities for continued munitions operations and additional long term economic development.**

**NOW THEREFORE, BE IT RESOLVED BY THE GOVERNING BODY OF THE CITY OF PARSONS, KANSAS that it supports a modification to the BRAC recommendation which incorporates specific language directing the privatization of all KSAAP real property and infrastructure currently owned by the United States Government to a Local Redevelopment Authority initially created by Labette County and the City of Parsons and the continued location of all government owned equipment and fixtures for the purpose of providing facilities for continued munitions operations and additional long term economic development.**

# Community Supports Privatization

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**Day & Zimmermann Point of Contact**

- Jerry Smith, Vice President and General Manager  
(w) 903-334-1210  
(c) 903-277-8915

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MR. CHAIRMAN AND FELLOW COMMISSIONERS,  
DOD JUSTIFIES THE CLOSURE OF THE KANSAS  
ARMY AMMUNITION PLANT ON THE BASIS THAT  
THERE ARE MULTIPLE SITES PERFORMING  
SIMILAR FUNCTIONS AND THAT THIS REDUCES  
REDUNDANCY AND REMOVES EXCESS FROM THE  
INDUSTRIAL BASE.

ARTILLERY, MORTAR, MISSILE AND  
PYROTECHNIC/DEMOLITION MISSIONS ARE  
MOVED TO MCALESTER, MILAN, AND IOWA  
ARMY AMMUNITION PLANTS AND THE CRANE  
ARMY AMMUNITION ACTIVITY.

THE DOD COBRA SHOWS A \$101.44 MILLION  
DOLLAR 20-YEAR NET PRESENT VALUE SAVINGS  
WITH A PAYBACK PERIOD OF 2 YEARS.

THIS CLOSURE ELIMINATES 8 CIVILIAN AND 159  
CONTRACT POSITIONS.

**DOD JUSTIFICATION SLIDE –OFF**

**DOD ISSUES SLIDE – ON**

THE COMMUNITY DID NOT OBJECT TO THIS  
CLOSURE BUT EXPRESSED CONCERN ABOUT  
THEIR ABILITY TO REDEVELOP THE FACILITIES  
AND PROPERTY, REQUESTING ACCELERATED  
CLEAN-UP AND TRANSFER OF PROPERTY AND  
FACILITIES AT NO COST TO THE LOCAL REUSE

AUTHORITY. THIS INSTALLATION IS AN  
UNDERUTILIZED GOVERNMENT OWNED,  
CONTRACTOR OPERATED LOAD, ASSEMBLE AND  
PACK PLANT WITH A 5% UTILIZATION RATE.  
CLOSURE WILL REDUCE ARMY INFRASTRUCTURE  
AND HELP THE DOD CREATE CENTERS OF  
EXCELLENCE AND GENERATE EFFICIENCIES.

THE OPERATING CONTRACTOR, DAY &  
ZIMMERMANN REQUESTED PRIVATIZATION-IN-  
PLACE WITH THE TRANSFER OF PROPERTY,  
FACILITIES AND EQUIPMENT TO A LOCAL REUSE  
AUTHORITY FOR LEASEBACK. WITH THE LOW  
UTILIZATION OF THIS FACILITY, PRIVATIZATION  
WOULD ONLY TRANSFER OWNERSHIP TO THE

PRIVATE SECTOR BUT NOT REDUCE OR  
RATIONALIZE THE INDUSTRIAL BASE.

THE OPERATING CONTRACTOR ALSO NOTED  
POTENTIAL ISSUES WITH PROPRIETARY  
PROCESSES. DURING OUR ANALYSIS WE FOUND  
THAT THE GOVERNMENT OWNS THE TECHNICAL  
DATA PACKAGE TO WHICH SPECIFICATIONS A  
CONTRACTOR PRODUCES, HOWEVER, THE  
CONTRACTOR DETERMINES OR OWNS THE  
PROCESSES TO PRODUCE THE ITEM. THE JOINT  
MUNITIONS COMMAND WILL ALSO ENSURE AN  
ADEQUATE STOCKPILE OF ANY COMPONENTS TO  
AVOID ANY DISRUPTION TO THE WARFIGHTER  
WHILE LINES ARE TRANSFERRED AND  
ESTABLISHED AT ALL GAINING INSTALLATIONS.

A FURTHER COMMUNITY ISSUE IS THAT PERSONNEL HAVE INCREASED SINCE THE 2003 DATA CALL. WHILE THE DOD DID USE CERTIFIED DATA, PERSONNEL NUMBERS ARE GREATER AND CURRENT STAFFING FROM AN OSD CLEARING HOUSE RESPONSE ON 28 JULY 2005 STATES THAT 0 MILITARY, 8 CIVILIAN AND 279 CONTRACTORS ARE ON BOARD AT THE KANSAS ARMY AMMUNITION PLANT.

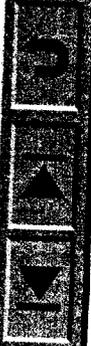
**DOD ISSUES SLIDE -OFF**

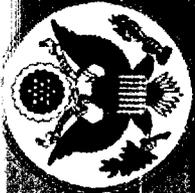
**STAFF ASSESSMENT SLIDE - ON**

IN SUMMARY IT IS THE STAFF'S ASSESSMENT THAT THERE WAS NO DEVIATION FROM THE

FINAL SELECTION CRITERIA OR THE FORCE  
STRUCTURE PLAN.

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





**Crane  
AAA, IN**

**Kansas  
AAP, KS**

**McAlester  
AAP, OK**

**Milan  
AAP, TN**









# Deviation from Final Selection Criteria

Military Value      Other

Criterion	C1	C2	C3	C4	C5 <small>(1,2,3,4,5)</small>	C6	C7	C8
Deviation								

Deviation





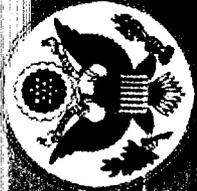
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## COBRA DATA

	DoD
<b>One Time Cost</b>	<b>COBRA Run</b>
<b>Net Implementation (Savings)</b>	\$25.2 M
<b>Annual Recurring (Savings)</b>	(\$2.1 M)
<b>Payback Period</b>	2 years
<b>Net Present Value at 2025 (Savings)</b>	(\$101.4 M)



## **Analysis: Kansas Army Ammunition Plant, KS (Industrial # 9, Closure)**

- The plant is located in a rural area, with limited transportation access
- Underutilized Government Owned, Contractor Operated (Load, Assemble and, Pack) plant: 2003 data indicates 5% utilization
- At start of IJCSG analysis, ammunition industrial base had 14 sites, highest utilization was 50% lowest was 0%
- DoD positions:
  - Reduce infrastructure by closing facility
  - Privatization transfers ownership to private sector, does not reduce (rationalize) the industrial base
- Private industry and some economists feel private industry is best qualified to rationalize capacity through competition
- Congressional representation and local community do not object to closure but have concerns about their ability to redevelop the facilities and property at the site and requested accelerated clean-up and transfer of property and facilities at no cost to local reuse authority for redevelopment (proposed language)
  - The community wants an interim lease (lease in furtherance of conveyance) on clean unused portions of the property to accelerate the development of those portions of the site.
  - During this transition phase, the community proposes a \$1 dollar per annum lease between the U.S. Government and the Local Reuse Authority (LRA).
  - The Community would like to keep the existing contractor in place as a tenant who is available to compete for future DoD work, thereby retaining the jobs in the community.
    - Potential contractor job loss 267
- Current operating contractor, Day & Zimmermann has requested privatization-in-place (transfer property, facilities and, equipment to local reuse authority for leaseback agreement)
  - Day & Zimmermann provided cost/savings numbers in support of transferring the facility to a local reuse authority shows a reduction in one-time costs of \$22.9 M (from \$25.1 M) and an increase in the 20 year net present value savings of \$21.6 M (added to \$101.4 M) over the recommended option
- Operating contractor has contracts through 2008 and with extensions some will last through FY 2010
- Other Issues:
  - The operating contractor noted potential issues with proprietary processes
  - Difficulties of dismantling, moving and, installing equipment in another location
  - Problems of reestablishing production at new location
- Environmental restoration cost:

**Analysis: Kansas Army Ammunition Plant, KS (Industrial # 9, Closure)**

- DERA Cost to Complete – 33.39M
- MMRP Cost to Complete - 0
- Total – 33.39 M
- DERA has spent \$30.7M through FY03; 5 operational ranges, 2 small arms ranges, \$4.7M – \$46.6M,

**Recommendation #155, Kansas Army Ammunition Plant (Ind-9)**

Labette County and the city of Parsons supported the closure of the Kansas Army Ammunition Plant (KSAAP) but had concerns about their ability to redevelop the site's facilities and property. They explained that the plant is located in a rural area with limited transportation access and that the loss of 267 jobs would exacerbate the county's economic hardships. The Community wanted to accelerate the development of uncontaminated portions of the site through the use of leases prior to conveyance of the property. During the transition phase, the community proposed a \$1 per annum lease between the U.S. Government and the Local Reuse Authority (LRA). At the conclusion of the clean-up and transition phase, the community proposed the Government transfer all facilities and property to the LRA at no cost. The Community expressed an interest in keeping the existing contractor in place as a tenant to compete for future DoD work, thereby retaining jobs in the community. The operating contractor noted potential issues with proprietary processes and recommended privatization in place for the KSAAP.

# Army owned Ammunition Production Facilities

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

\* Navy Installation

7/13/95  
Community

Kanawha AAF

Waynes Labette County  
city

- 0 port conveyance land & equip
- quick & clean
- 20 yrs RE cov. 20K employees
- western coal generating plant (7-8 yrs)

- see opportunities in volume
- LRA - abandon in place pass to community including all equipment (not more lines but)

- secondary inf. for equipment

- 40% DOT owned
- 60% gov. owned
- software is DOT owned
- no transfer

212 igloo 75% usage  
\* Environmental clean up Key

- 1st priority conveyance of land
- 2nd " no port conveyance of the equipment (not transfer of lines to other AAFs)

options  
for  
summary

- under 13,753 <sup>acres</sup> more or less