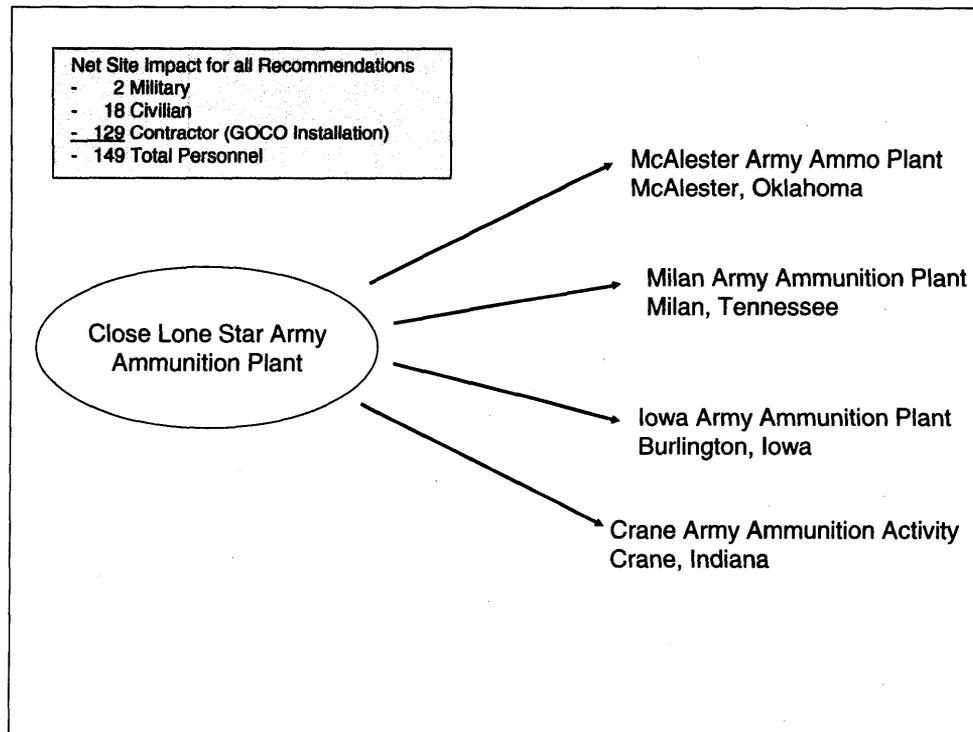


J&CS - Industrial Recommendations	Base Name	Comments
	Riverbank Army Ammunition Plant	One source, small quantities
	Rock Island Arsenal	
	Sierra Army Depot, CA	
	Crane Army Ammunition Activity	
	McAlester Army Ammunition Plant	
	Sierra Army Depot	California stopped demiling of munitions
	Tooele Army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



Lone Star Army Ammunition Plant, TX

Recommendation: Close Lone Star Army Ammunition Plant (AAP), TX.

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

Justification:

- Capacity and capability for Artillery, Mortars, Missiles, Pyro/Demo, and Storage exists at numerous munitions sites.
- There are 8 sites producing Artillery, 5 producing Mortars, 9 producing Pyro-Demo, 15 performing storage, 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. Goal is to establish multi-functional sites performing Demilitarization, Production, Maintenance, and Storage. Lone Star primarily performs only one of the 4 functions.

Net Site Impact for all Recommendations

- 2 Military
- 18 Civilian
- 129 Contractor (GOCO Installation)
- 149 Total Personnel

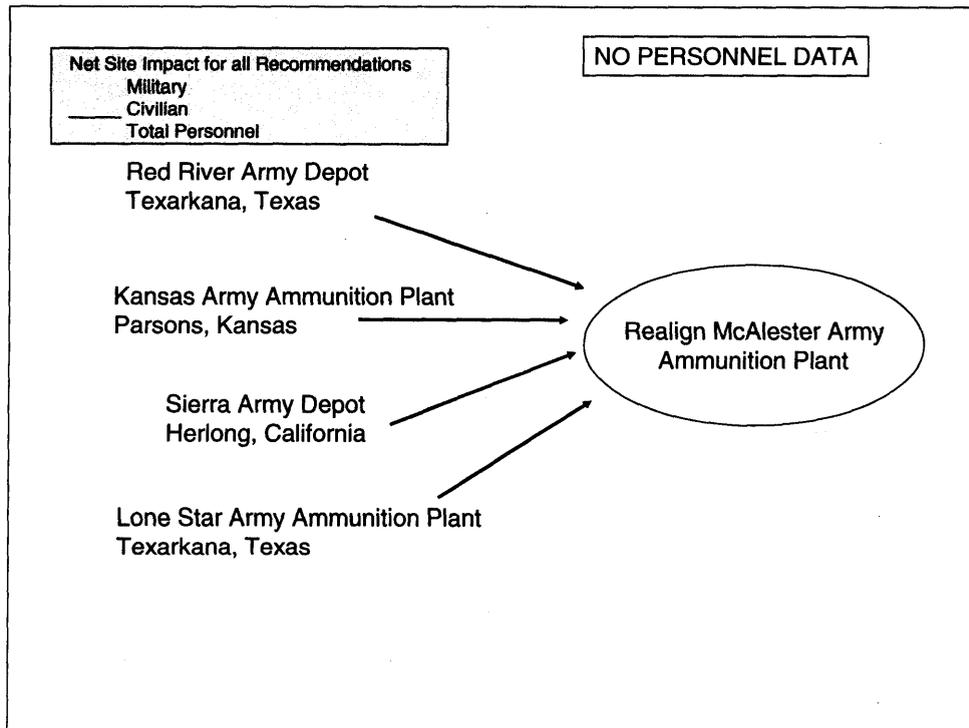
Close Lone Star Army
Ammunition Plant

McAlester Army Ammo Plant
McAlester, Oklahoma

Milan Army Ammunition Plant
Milan, Tennessee

Iowa Army Ammunition Plant
Burlington, Iowa

Crane Army Ammunition Activity
Crane, Indiana



- 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

NO PERSONNEL DATA

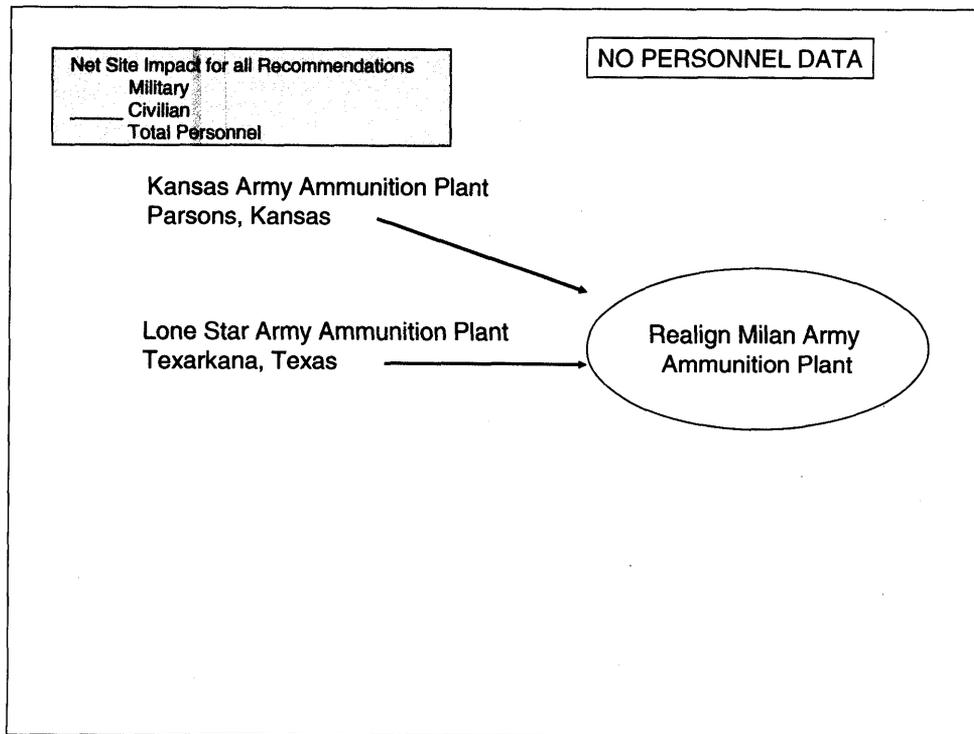
Red River Army Depot
Texarkana, Texas

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.

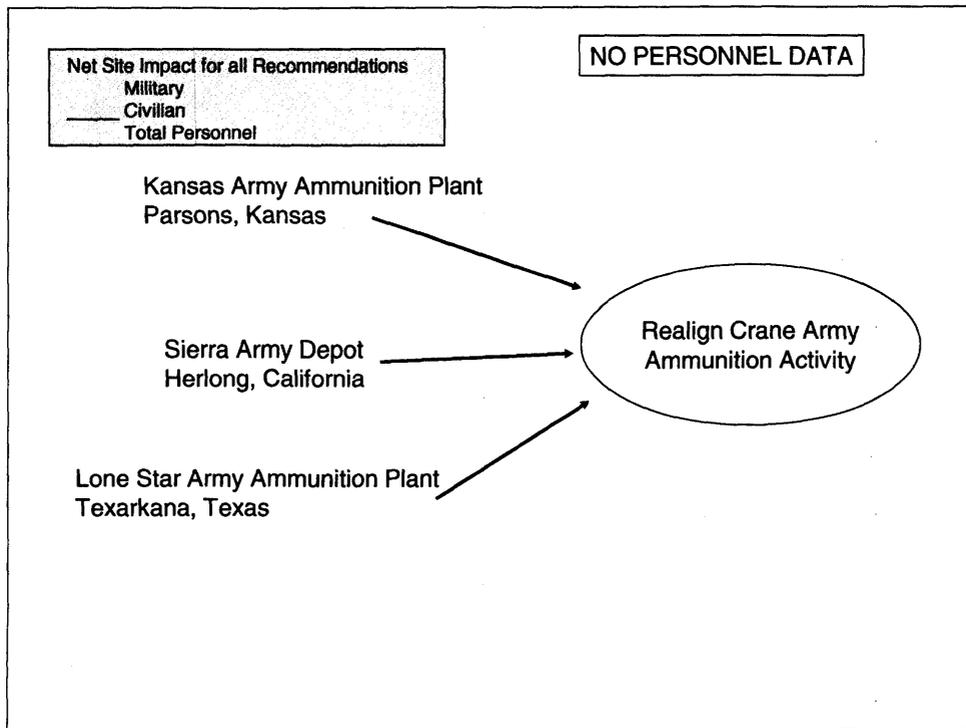
Net Site Impact for all Recommendations
Military
Civilian
Total Personnel

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.

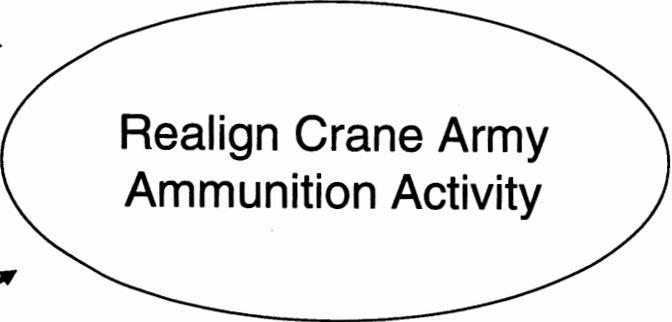
Net Site Impact for all Recommendations
Military
Civilian
Total Personnel

NO PERSONNEL DATA

Kansas Army Ammunition Plant
Parsons, Kansas

Sierra Army Depot
Herlong, California

Lone Star Army Ammunition Plant
Texarkana, Texas



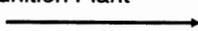
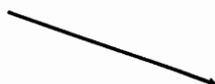
Net Site Impact for all Recommendations
Military
Civilian
Total Personnel

NO PERSONNEL DATA

Kansas Army Ammunition Plant
Parsons, Kansas

Lone Star Army Ammunition Plant
Texarkana, Texas

Realign Iowa
Army Ammunition Plant

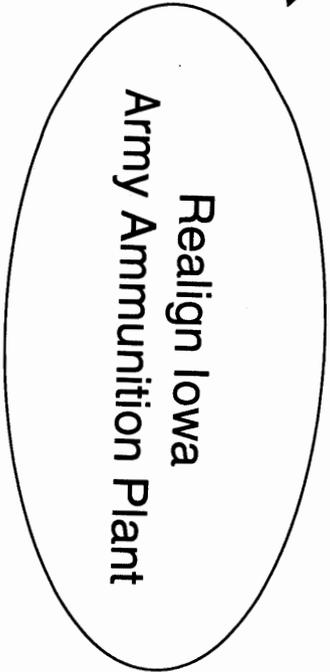


Net Site Impact for all Recommendations
Military _____
Civilian _____
Total Personnel _____

NO PERSONNEL DATA

Kansas Army Ammunition Plant
Parsons, Kansas

Lone Star Army Ammunition Plant
Texarkana, Texas



implementation are \$2.9M with payback expected in 3 years. The net present value of the costs and savings to the Department over 20 years is a saving of \$28.0 M.

Economic Impact on Communities: Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 376 jobs (177 direct jobs and 199 indirect jobs) over the 2006-2011 period in the San Antonio, TX, Metropolitan Statistical Area which is less than 0.1 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

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

Environmental Impact: This recommendation has a potential to impact air quality at Tobyhanna. This recommendation has no impact on cultural, archeological, or tribal resources; dredging; land use constraints or sensitive resource areas; marine mammals, resources, or sanctuaries; noise; threatened and endangered species or critical habitat; waste management; water resources; or wetlands. This recommendation will require spending approximately \$0.4M for environmental compliance activities. This cost was included in the payback calculation. This recommendation does otherwise not impact the costs of environmental restoration, waste management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed. There are no known environmental impediments to implementation of this recommendation.

Lone Star Army Ammunition Plant, TX

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

Justification: Capacity and capability for Artillery, Mortars, Missiles, Pyro/Demo, and Storage exists at numerous munitions sites. There are 8 sites producing Artillery, 5 producing Mortars, 9 producing Pyro-Demo, 15 performing storage, 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. Goal is to establish multi-functional sites performing Demilitarization, Production, Maintenance, and Storage. Lone Star primarily performs only one of the 4 functions.

Payback: The total estimated one-time cost to the Department of Defense to implement this recommendation is \$29.0M. The net of all costs and savings to the Department during the implementation period is a cost of \$4.7M. Annual recurring savings to the Department after

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

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

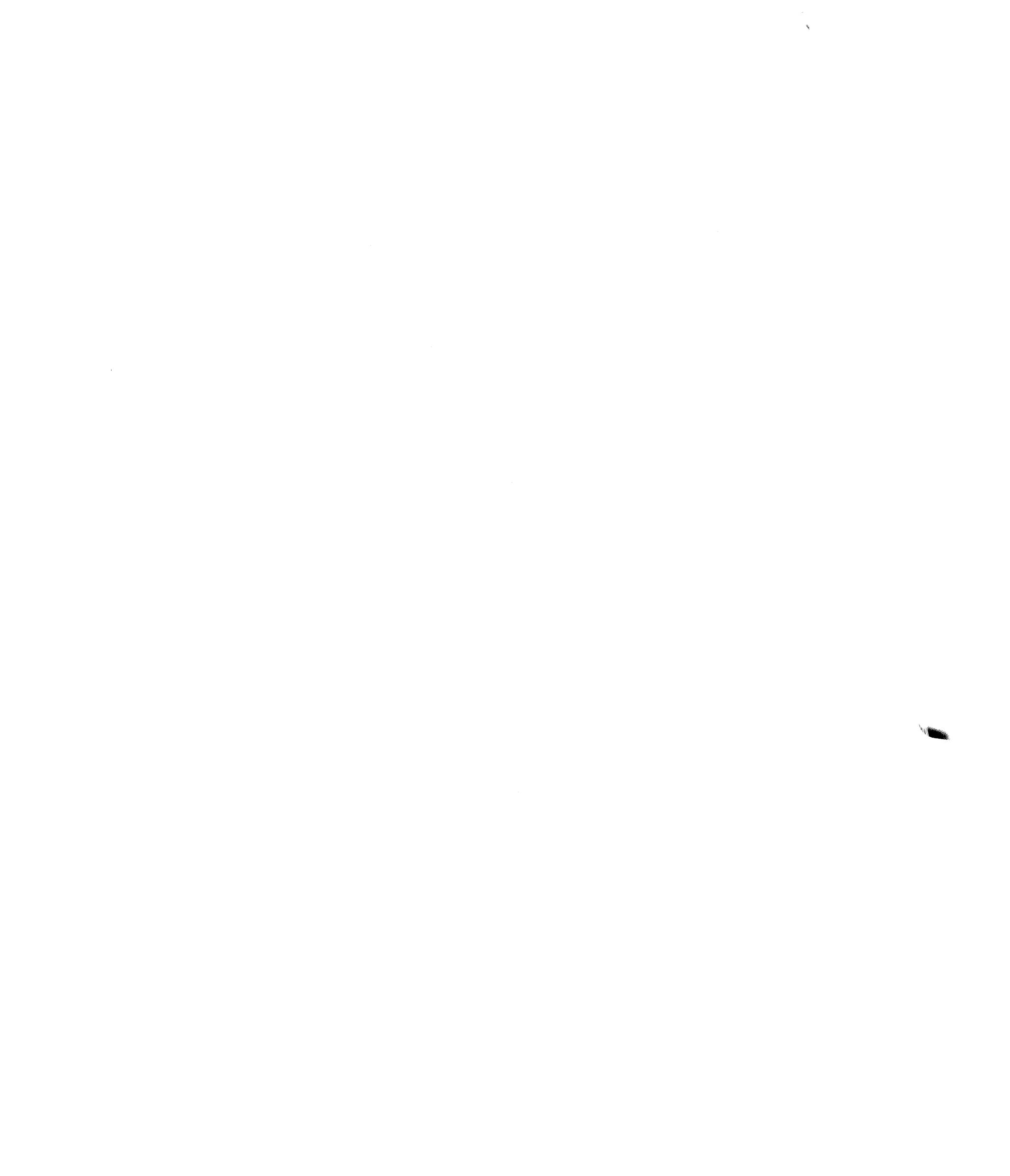
Community Infrastructure Assessment: A review of community attributes indicates no issues regarding the ability of the infrastructure of the community to support missions, forces, and personnel. There are no known community infrastructure impediments to implementation of all recommendations affecting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

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

Deseret Chemical Depot, UT

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

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



IJCSG - Munitions / Armaments Capacity Report

<i>Function</i>	<i>Site</i>	<i>Current Capacity*</i>	<i>Current Usage*</i>	<i>Maximum Capacity*</i>	<i>Capacity Required To Surge*</i>	<i>Capacity Available to Surge/Excess Capacity*</i>
MUNITIONS DEMILITARIZATION						
	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

<i>Activity:</i>	<i>Score:</i>
<i>Demilitarization</i>	
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

Database Date: 4/18/2005

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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

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

*Capacity is measured in ksf

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IJCSG - Munitions / Armaments Capacity Report

<i>Function</i>	<i>Site</i>	<i>Current Capacity*</i>	<i>Current Usage*</i>	<i>Maximum Capacity*</i>	<i>Capacity Required To Surge*</i>	<i>Capacity Available to Surge/Excess Capacity*</i>
MUNITIONS STORAGE						
	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

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

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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

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2
 Data As Of 5/2/2005 2:20:07 PM, Report Created 5/2/2005 2:20:10 PM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Starting Year : 2006
 Final Year : 2011
 Payback Year : 2012 (1 Year)

NPV in 2025(\$K): -164,229
 1-Time Cost(\$K): 28,975

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	-161	-603	-699	-1,463	-1,459
Overhd	583	437	328	-3,514	-3,827	-13,833	-19,825	-15,851
Moving	0	0	4,474	71	0	71	4,616	0
Missio	0	0	0	0	0	0	0	0
Other	0	17,434	0	2,600	0	1,300	21,334	0
TOTAL	583	17,871	4,802	-1,004	-4,430	-13,161	4,661	-17,311

	2006	2007	2008	2009	2010	2011	Total
	----	----	----	----	----	----	-----
POSITIONS ELIMINATED							
Off	0	0	0	1	0	1	2
Enl	0	0	0	0	0	0	0
Civ	0	0	0	7	0	11	18
TOT	0	0	0	8	0	12	20

POSITIONS REALIGNED							
Off	0	0	0	0	0	0	0
Enl	0	0	0	0	0	0	0
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0						

Summary:

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

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 2/2
 Data As Of 5/2/2005 2:20:07 PM, Report Created 5/2/2005 2:20:10 PM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Costs in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	----	----
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	146	0	332	478	0
Overhd	9,044	8,898	8,789	8,959	8,645	8,977	53,313	8,461
Moving	0	0	4,474	71	0	71	4,616	0
Missio	0	0	0	0	0	0	0	0
Other	0	17,434	0	2,600	0	1,300	21,334	0
TOTAL	9,044	26,332	13,263	11,776	8,645	10,679	79,741	8,461

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	307	603	1,031	1,941	1,459
Overhd	8,461	8,461	8,461	12,473	12,473	22,810	73,139	24,312
Moving	0	0	0	0	0	0	0	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
TOTAL	8,461	8,461	8,461	12,780	13,075	23,841	75,080	25,772

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10)
 Data As Of 5/2/2005 2:20:07 PM, Report Created 5/2/2005 2:20:10 PM

Department : Industrial
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 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

Base	Personnel			
	Start*	Finish*	Change	%Change
LONE STAR AAP	20	0	-20	-100%
MILAN AAP	25	25	0	0%
CRANE AAP	486	486	0	0%
IOWA AAP	31	31	0	0%
MCALESTER	1,314	1,314	0	0%
TOTAL	1,876	1,856	-20	-1%

Base	Square Footage				
	Start	Finish	Change	%Change	Chg/Per
LONE STAR AAP	3,494,000	0	-3,494,000	-100%	174,700
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
MCALESTER	9,677,000	9,677,000	0	0%	0
TOTAL	27,972,000	24,478,000	-3,494,000	-12%	174,700

Base	Base Operations Support (2005\$)				
	Start*	Finish*	Change	%Change	Chg/Per
LONE STAR AAP	5,833,963	0	-5,833,963	-100%	291,698
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
MCALESTER	23,613,891	23,613,891	0	0%	0
TOTAL	61,668,199	55,834,236	-5,833,963	-9%	291,698

Base	Sustainment (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
LONE STAR AAP	10,017,361	0	-10,017,361	-100%	500,868
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
MCALESTER	21,594,562	21,594,562	0	0%	0
TOTAL	71,649,114	61,631,753	-10,017,361	-14%	500,868

Base	Recapitalization (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
LONE STAR AAP	8,461,190	0	-8,461,190	-100%	423,059
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
MCALESTER	24,238,791	24,238,791	0	0%	0
TOTAL	75,517,688	67,056,498	-8,461,190	-11%	423,059

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Base	Sustain + Recap + BOS (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
LONE STAR AAP	24,312,514	0	-24,312,514	-100%	1,215,626
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
MCALESTER	69,447,244	69,447,244	0	0%	0
TOTAL	208,835,001	184,522,487	-24,312,514	-12%	1,215,626

Base	Plant Replacement Value (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
LONE STAR AAP	871,502,575	0	-871,502,575	-100%	43,575,129
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
MCALESTER	2,496,595,519	2,496,595,519	0	0%	0
TOTAL	7,778,321,878	6,906,819,303	-871,502,575	-11%	43,575,129

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

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ONE-TIME COSTS -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	0	0	115	0	287	402
Civ Retire	0	0	0	12	0	12	24
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	71	142
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	9	0	22	31
OTHER							
Info Tech	0	0	0	0	0	0	0
Prog Manage	583	437	328	246	184	138	1,918
Supt Contract	0	0	0	0	0	0	0
Mothball	0	0	0	251	0	377	629
1-Time Move	0	0	4,474	0	0	0	4,474
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	10	0	10	21
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	4,050	0	0	0	1,300	5,350
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	13,384	0	2,600	0	0	15,984
TOTAL ONE-TIME	583	17,871	4,802	3,315	184	2,218	28,975

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 2/18
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RECURRINGCOSTS	2006	2007	2008	2009	2010	2011	Total	Beyond
----- (\$K) -----	----	----	----	----	----	----	-----	-----
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	8,461	8,461	8,461	8,461	8,461	8,461	50,766	8,461
TOTAL RECUR	8,461	8,461	8,461	8,461	8,461	8,461	50,766	8,461
TOTAL COST	9,044	26,332	13,263	11,776	8,645	10,679	79,741	8,461
ONE-TIME SAVES	2006	2007	2008	2009	2010	2011	Total	
----- (\$K) -----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
1-Time Move	0	0	0	0	0	0	0	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
Environmental	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	0	0	0	0	0	
RECURRINGSAVES	2006	2007	2008	2009	2010	2011	Total	Beyond
----- (\$K) -----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	4,007	4,007	8,515	16,529	10,017
Recap	8,461	8,461	8,461	8,461	8,461	8,461	50,767	8,461
BOS	0	0	0	4	4	5,834	5,843	5,834
Civ Salary	0	0	0	233	465	831	1,529	1,197
MIL PERSONNEL								
Off Salary	0	0	0	62	125	187	375	250
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	12	12	12	37	12
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	8,461	8,461	8,461	12,780	13,075	23,841	75,080	25,772
TOTAL SAVINGS	8,461	8,461	8,461	12,780	13,075	23,841	75,080	25,772

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 3/18
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ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
----- (\$K) -----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
Civ Retir/RIF	0	0	0	127	0	299	426	
Civ Moving	0	0	0	71	0	71	142	
Info Tech	0	0	0	0	0	0	0	
Other	583	437	4,802	506	184	538	7,052	
MIL PERSONNEL								
Mil Moving	0	0	0	10	0	10	21	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	4,050	0	0	0	1,300	5,350	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	13,384	0	2,600	0	0	15,984	
TOTAL ONE-TIME	583	17,871	4,802	3,315	184	2,218	23,625	
RECURRING NET								
----- (\$K) -----	----	----	----	----	----	----	-----	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	-4,007	-4,007	-8,515	-16,529	-10,017
Recap	-8,461	-8,461	-8,461	-8,461	-8,461	-8,461	-50,767	-8,461
BOS	0	0	0	-4	-4	-5,834	-5,843	-5,834
Civ Salary	0	0	0	-233	-465	-831	-1,529	-1,197
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	-62	-125	-187	-375	-250
House Allow	0	0	0	-12	-12	-12	-37	-12
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	8,461	8,461	8,461	8,461	8,461	8,461	50,766	8,461
TOTAL RECUR	-0	-0	-0	-4,319	-4,614	-15,380	-24,314	-17,311
TOTAL NET COST	583	17,871	4,802	-1,004	-4,430	-13,161	4,661	-17,311

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Base: LONE STAR AAP, TX (48513)	2006	2007	2008	2009	2010	2011	Total
ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	----	----	----	----	----	----	-----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	115	0	287	402
Civ Retire	0	0	0	12	0	12	24
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	71	142
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	9	0	22	31
OTHER							
Info Tech	0	0	0	0	0	0	0
Prog Manage	583	437	328	246	184	138	1,918
Supt Contract	0	0	0	0	0	0	0
Mothball	0	0	0	251	0	377	629
1-Time Move	0	0	2,722	0	0	0	2,722
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	10	0	10	21
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	0	0	1,300	1,300
Misc Contract	0	0	0	0	0	0	0
1-Time Other	0	4,025	0	2,600	0	0	6,625
TOTAL ONE-TIME	583	4,462	3,050	3,315	184	2,218	13,814

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Base: LONE STAR AAP, TX (48513)

RECURRINGCOSTS	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	8,461	8,461	8,461	8,461	8,461	8,461	50,766	8,461
TOTAL RECUR	8,461	8,461	8,461	8,461	8,461	8,461	50,766	8,461
TOTAL COSTS	9,044	12,923	11,511	11,776	8,645	10,679	64,580	8,461
ONE-TIME SAVES								
-----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	
-----	----	----	----	----	----	----	-----	-----
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
1-Time Move	0	0	0	0	0	0	0	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
Environmental	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	0	0	0	0	0	0	
RECURRINGSAVES								
-----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS								
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	4,007	4,007	8,515	16,529	10,017
Recap	8,461	8,461	8,461	8,461	8,461	8,461	50,767	8,461
BOS	0	0	0	4	4	5,834	5,843	5,834
Civ Salary	0	0	0	233	465	831	1,529	1,197
MIL PERSONNEL								
Off Salary	0	0	0	62	125	187	375	250
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	12	12	12	37	12
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	8,461	8,461	8,461	12,780	13,075	23,841	75,080	25,772
TOTAL SAVINGS	8,461	8,461	8,461	12,780	13,075	23,841	75,080	25,772

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Base: LONE STAR AAP, TX (48513)								
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	127	0	299	426	
Civ Moving	0	0	0	71	0	71	142	
Info Tech	0	0	0	0	0	0	0	
Other	583	437	3,050	506	184	538	5,300	
MIL PERSONNEL								
Mil Moving	0	0	0	10	0	10	21	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	0	0	1,300	1,300	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	4,025	0	2,600	0	0	6,625	
TOTAL ONE-TIME	583	4,462	3,050	3,315	184	2,218	13,814	
RECURRING NET								
----- (\$K) -----	2006	2007	2008	2009	2010	2011	Total	Beyond
----- (\$K) -----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS								
O&M	0	0	0	0	0	0	0	0
Sustainment	0	0	0	-4,007	-4,007	-8,515	-16,529	-10,017
Recap	-8,461	-8,461	-8,461	-8,461	-8,461	-8,461	-50,767	-8,461
BOS	0	0	0	-4	-4	-5,834	-5,843	-5,834
Civ Salary	0	0	0	-233	-465	-831	-1,529	-1,197
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	-62	-125	-187	-375	-250
House Allow	0	0	0	-12	-12	-12	-37	-12
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	8,461	8,461	8,461	8,461	8,461	8,461	50,766	8,461
TOTAL RECUR	-0	-0	-0	-4,319	-4,614	-15,380	-24,314	-17,311
TOTAL NET COST	583	4,462	3,050	-1,004	-4,430	-13,161	-10,500	-17,311

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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 Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	1,000	0	0	0	0	1,000
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	3,759	0	0	0	0	3,759
TOTAL ONE-TIME	0	4,759	0	0	0	0	4,759

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 9/18
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Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\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	1,000	0	0	0	0	1,000	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	3,759	0	0	0	0	3,759	
TOTAL ONE-TIME	0	4,759	0	0	0	0	4,759	
RECURRING NET								
----(\$K)----	2006 ----	2007 ----	2008 ----	2009 ----	2010 ----	2011 ----	Total -----	Beyond -----
FAM HOUSE OPS								
O&M	0	0	0	0	0	0	0	0
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	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	4,759	0	0	0	0	4,759	0

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 10/18
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Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: CRANE AAP, IN (18174)

ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	----	----	----	----	----	----	-----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIFs	0	0	0	0	0	0	0
Civ Retire	0	0	0	0	0	0	0
CIV MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
Home Purch	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
House Hunt	0	0	0	0	0	0	0
PPP	0	0	0	0	0	0	0
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	0	0	0	0
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	0	0	0	0
OTHER							
Info Tech	0	0	0	0	0	0	0
Prog Manage	0	0	0	0	0	0	0
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	0	0	0	0
POV Miles	0	0	0	0	0	0	0
HHG	0	0	0	0	0	0	0
Misc	0	0	0	0	0	0	0
OTHER							
Elim PCS	0	0	0	0	0	0	0
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	1,050	0	0	0	0	1,050
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	75	0	0	0	0	75
TOTAL ONE-TIME	0	1,125	0	0	0	0	1,125

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 12/18
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Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: CRANE AAP, IN (18174)

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	1,050	0	0	0	0	1,050	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	75	0	0	0	0	75	
TOTAL ONE-TIME	0	1,125	0	0	0	0	1,125	
RECURRING NET -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	0	0	0	0	0	0	0	0
TOTAL NET COST	0	1,125	0	0	0	0	1,125	0

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 13/18
 Data As Of 5/2/2005 2:20:07 PM, Report Created 5/2/2005 2:20:10 PM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\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	1,000	0	0	0	0	1,000
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	5,525	0	0	0	0	5,525
TOTAL ONE-TIME	0	6,525	0	0	0	0	6,525

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 15/18
 Data As Of 5/2/2005 2:20:07 PM, Report Created 5/2/2005 2:20:10 PM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: IOWA AAP, IA (19422)								
ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
CONSTRUCTION								
MILCON	0	0	0	0	0	0	0	
O&M								
Civ Retir/RIF	0	0	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Info Tech	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	1,000	0	0	0	0	1,000	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	5,525	0	0	0	0	5,525	
TOTAL ONE-TIME	0	6,525	0	0	0	0	6,525	
RECURRING NET	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS								
O&M	0	0	0	0	0	0	0	0
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	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	6,525	0	0	0	0	6,525	0

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 16/18
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Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\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 Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	0	0	0	0
1-Time Move	0	0	1,752	0	0	0	1,752
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	1,000	0	0	0	0	1,000
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	0	1,000	1,752	0	0	0	2,752

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 18/18
 Data As Of 5/2/2005 2:20:07 PM, Report Created 5/2/2005 2:20:10 PM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\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	1,752	0	0	0	1,752	
MIL PERSONNEL								
Mil Moving	0	0	0	0	0	0	0	
OTHER								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	1,000	0	0	0	0	1,000	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
TOTAL ONE-TIME	0	1,000	1,752	0	0	0	2,752	
RECURRING NET								
-----(\$K)-----	----	----	----	----	----	----	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	1,000	1,752	0	0	0	2,752	0

COBRA ECONOMIC IMPACT REPORT (COBRA v6.10)

Data As Of 5/2/2005 2:20:07 PM, Report Created 5/2/2005 2:20:09 PM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SPF

LONE STAR AAP, TX (48513)

	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	0	0	0	1	0	1	2
NET CHANGE-Mil	0	0	0	-1	0	-1	-2
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	0	0	0	7	0	11	18
NET CHANGE-Civ	0	0	0	-7	0	-11	-18
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

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

Department : Industrial
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
05022005.CBR
Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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

SCENARIO ERROR REPORT (COBRA v6.10)

Data As Of 5/2/2005 2:20:07 PM, Report Created 5/2/2005 2:20:09 PM

Department : Industrial
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
05022005.CBR
Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

SCENARIO DATA:

"Industrial" is not a recognized Department.

COBRA INPUT DATA REPORT (COBRA v6.10)
 Data As Of 5/2/2005 2:20:07 PM, Report Created 5/2/2005 2:20:09 PM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN ONE - GENERAL SCENARIO INFORMATION

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

Base Name, ST (Code)	Strategy:
-----	-----
LONE STAR AAP, TX (48513)	Closes in FY 2011
MILAN AAP, TN (47579)	Realignment
CRANE AAP, IN (18174)	Realignment
IOWA AAP, IA (19422)	Realignment
MCALESTER, OK (40549)	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: LONE STAR AAP, TX (48513)

Total Officer Employees:	2	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	0	Total Sustainment (\$K/Year):	10,017
Total Student Employees:	0	Sustain Payroll (\$K/Year):	0
Total Civilian Employees:	18	BOS Non-Payroll (\$K/Year):	5,834
Accomp Mil not Receiving BAH:	0.0%	BOS Payroll (\$K/Year):	0
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	0
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	871,502
Starting Facilities(KSF):	3,494	Svc/Agcy Recap Rate (Years):	103
Officer BAH (\$/Month):	1,027	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	774		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	0.89		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:	33.418056	Retiree	0 0 0
Longitude:	-94.418056	Retiree65+	0 0 0

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

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

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

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

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

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

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: LONE STAR AAP, TX (48513)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	4,025	0	2,600	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	0	0	2,722	0	0	0
1-Time Moving Save (\$K):	0	0	0	0	0	0
Env Non-MilCon Reqd(\$K):	0	0	0	0	0	1,300
Activ Mission Cost (\$K):	0	0	0	0	0	0
Activ Mission Save (\$K):	0	0	0	0	0	0
Misn Contract Start(\$K):	0	0	0	0	0	0
Misn Contract Term (\$K):	0	0	0	0	0	0
Supt Contract Term (\$K):	0	0	0	0	0	0
Misc Recurring Cost(\$K):	8,461	8,461	8,461	8,461	8,461	8,461
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):			3,494	FH ShDn:	0.000%

Name: MILAN AAP, TN (47579)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	3,759	0	0	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	0	0	0	0	0	0
1-Time Moving Save (\$K):	0	0	0	0	0	0
Env Non-MilCon Reqd(\$K):	0	1,000	0	0	0	0
Activ Mission Cost (\$K):	0	0	0	0	0	0
Activ Mission Save (\$K):	0	0	0	0	0	0
Misn Contract Start(\$K):	0	0	0	0	0	0
Misn Contract Term (\$K):	0	0	0	0	0	0
Supt Contract Term (\$K):	0	0	0	0	0	0
Misc Recurring Cost(\$K):	0	0	0	0	0	0
Misc Recurring Save(\$K):	0	0	0	0	0	0
One-Time IT Costs (\$K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc(\$K):	0	0	0	0	0	0
Procurement Avoidnc(\$K):	0	0	0	0	0	0
MTF Closure Action:	None Fac ShDn(KSF):			0	FH ShDn:	0.000%

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: CRANE AAP, IN (18174)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	75	0	0	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	0	0	0	0	0	0
1-Time Moving Save (\$K):	0	0	0	0	0	0
Env Non-MilCon Reqd(\$K):	0	1,050	0	0	0	0
Activ Mission Cost (\$K):	0	0	0	0	0	0
Activ Mission Save (\$K):	0	0	0	0	0	0
Misn Contract Start(\$K):	0	0	0	0	0	0
Misn Contract Term (\$K):	0	0	0	0	0	0
Supt Contract Term (\$K):	0	0	0	0	0	0
Misc Recurring Cost (\$K):	0	0	0	0	0	0
Misc Recurring Save(\$K):	0	0	0	0	0	0
One-Time IT Costs (\$K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc(\$K):	0	0	0	0	0	0
Procurement Avoidnc(\$K):	0	0	0	0	0	0
MTF Closure Action:	None Fac ShDn(KSF):			0	FH ShDn:	0.000%

Name: IOWA AAP, IA (19422)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	5,525	0	0	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	0	0	0	0	0	0
1-Time Moving Save (\$K):	0	0	0	0	0	0
Env Non-MilCon Reqd(\$K):	0	1,000	0	0	0	0
Activ Mission Cost (\$K):	0	0	0	0	0	0
Activ Mission Save (\$K):	0	0	0	0	0	0
Misn Contract Start(\$K):	0	0	0	0	0	0
Misn Contract Term (\$K):	0	0	0	0	0	0
Supt Contract Term (\$K):	0	0	0	0	0	0
Misc Recurring Cost(\$K):	0	0	0	0	0	0
Misc Recurring Save(\$K):	0	0	0	0	0	0
One-Time IT Costs (\$K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc(\$K):	0	0	0	0	0	0
Procurement Avoidnc(\$K):	0	0	0	0	0	0
MTF Closure Action:	None Fac ShDn(KSF):			0	FH ShDn:	0.000%

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: MCALESTER, OK (40549)

	2006	2007	2008	2009	2010	2011
1-Time Unique Cost (\$K):	0	0	0	0	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	0	0	1,752	0	0	0
1-Time Moving Save (\$K):	0	0	0	0	0	0
Env Non-MilCon Reqd(\$K):	0	1,000	0	0	0	0
Activ Mission Cost (\$K):	0	0	0	0	0	0
Activ Mission Save (\$K):	0	0	0	0	0	0
Misn Contract Start(\$K):	0	0	0	0	0	0
Misn Contract Term (\$K):	0	0	0	0	0	0
Supt Contract Term (\$K):	0	0	0	0	0	0
Misc Recurring Cost(\$K):	0	0	0	0	0	0
Misc Recurring Save(\$K):	0	0	0	0	0	0
One-Time IT Costs (\$K):	0	0	0	0	0	0
Construction Schedule(%):	0%	0%	0%	0%	0%	0%
Shutdown Schedule (%):	0%	0%	0%	0%	0%	0%
Misn Milcon Avoidnc(\$K):	0	0	0	0	0	0
Procurement Avoidnc(\$K):	0	0	0	0	0	0
MTF Closure Action:	None	Fac ShDn(KSF):		0	FH ShDn:	0.000%

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: LONE STAR AAP, TX (48513)

	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	0	-1	0	-1
Enl Scenario Change:	0	0	0	0	0	0
Civ Scenario Change:	0	0	0	-7	0	-11
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: 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%

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

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%

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 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
05022005.CBR
Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

FOOTNOTES FOR SCREEN ONE

=====
Close Lone Star Army Ammunition Plant, TX. Relocate the Storage and Demilitarization functions to McAlester, OK. Relocate the 105MM and 155MM ICM Artillery, MLRS Artillery, hand Grenades, 60MM and 81MM Mortars functions to Milan AAP, TN. Relocate Mines and Detonators/Relays/Delays functions to Iowa AAP, IA. Relocate Demolition Charges functions to Crane AAA, IN.

FOOTNOTES FOR SCREEN FIVE

=====
LONE STAR:

FY 07 \$4,025k: \$3,875k is cost to move equipment, tooling for ICM (MA-4 Action 1)
\$150k is for equipment for grenades (MA-9 Action 4)

FY 08 \$2,722k: Cost to move stock to McAlester (MA-2 Action 3)

FY 09 \$2,600k: \$1,200k Disconnect utilities (MA-9-Action 2)
\$300k Cost to placed in modified caretaker (MA-4 Action 1)
\$300k Cost to place in modified caretaker (MA-9 Action 3)
\$300k Cost to place in Modified caretaker (MA-6 Action 1)
\$500k Cost to decontaminate, disconnect utilities, and close building (MA-9 Action 4)

FY 11 \$1,300k: From page 12 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs"; EBS plus disposal EIS. FY 11 was selected because the shipment of serviceable stock occurs in FY 08 and demil occurs until FY 11. Military Departments wants to make sure permits, waivers, and restrictions are in place by FY 08 and decommissioning is complete by the end of FY 11.

3,494KSF: Fac ShDn is derived from Screen Four - static base information for "Starting Facilities"

FY 06, 07, 08, 09, 10, and 11: \$8,461k 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).

MILAN:

FY 07 \$3,759k: \$700k Cost to modify building and install truck loading dock (MA-4 Action 1)
\$50k Cost for training and travel (MA-4 Action 1)
\$3,009k Cost for equipment upgrade and installation (MA-9 Action 4)

FY 07 \$1,000k: From page 12 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs"; EIS. FY 07 was selected because the shipment of serviceable stock occurs in FY 08 and demil occurs until FY 11. Military Departments wants to make sure permits, waivers, and restrictions are in place by FY 08 and decommissioning is complete by the end of FY 11.

CRANE:

FY 07 \$75k: \$30k for facility upgrade (MA-9 Action 3)
\$5k for training and travel (MA-9 Action 3)
\$40k for equipment and tooling (MA-9 Action 3)

FY 07 \$1,050k: From page 12 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs"; Air Conformity Analysis and EIS. FY 07 was selected because the Military Departments wants to make sure permits, waivers, and restrictions are in place by FY 08 and decommissioning is complete by the end of FY 11.

IOWA:

Department : Industrial
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
05022005.CBR
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Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

FY 07 \$5,525k: \$5,000k to facilitize Iowa for detonators (MA-9 Action 2 (alt 2)
\$525k for minor upgrade and building repair (MA-6 Action 1)

FY 07 \$1,000k: From page 12 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs";
EIS. FY 07 was selected because the Military Departments wants to make sure permits, waivers, and
restrictions are in place by FY 08 and decommissioning is complete by the end of FY 11.

McAlester:

FY 07 \$1,000k: From page 12 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs";
EIS. FY 07 was selected because the Military Departments wants to make sure permits, waivers, and
restrictions are in place by FY 08 and decommissioning is complete by the end of FY 11.

FY 08 \$1,752k: Cost to receipt stock from Lone Star. (MA-2 Action 3)

FOOTNOTES FOR SCREEN SIX

=====
Lone Star:

OFF/ENL/CIV Scenario Change numbers are derived from Screen Four - Total Officers (2) and Total Civilian
Employees (18).

Personnel are not needed at gaining site. Sufficient personnel and capability already exist.

TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)
Data As Of 5/2/2005 2:20:07 PM, Report Created 5/2/2005 2:20:10 PM

Department : Industrial
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
05022005.CBR
Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

All values in 2005 Constant Dollars

Base Name	Total MilCon*	Milcon Cost Avoidance	Total Net Costs
-----	-----	-----	-----
LONE STAR AAP	0	0	0
MILAN AAP	0	0	0
CRANE AAP	0	0	0
IOWA AAP	0	0	0
MCALESTER	0	0	0
-----	-----	-----	-----
Totals:	0	0	0

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

COBRA NET PRESENT VALUES REPORT (COBRA v6.10)
 Data As Of 5/2/2005 2:20:07 PM, Report Created 5/2/2005 2:20:10 PM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Year	Cost(\$)	Adjusted Cost(\$)	NPV(\$)
----	-----	-----	-----
2006	583,206	575,209	575,209
2007	17,871,357	17,146,199	17,721,408
2008	4,802,000	4,481,665	22,203,073
2009	-1,004,339	-911,810	21,291,263
2010	-4,429,812	-3,912,157	17,379,106
2011	-13,161,376	-11,306,786	6,072,320
2012	-17,310,687	-14,466,353	-8,394,033
2013	-17,310,687	-14,072,328	-22,466,361
2014	-17,310,687	-13,689,035	-36,155,396
2015	-17,310,687	-13,316,182	-49,471,578
2016	-17,310,687	-12,953,484	-62,425,062
2017	-17,310,687	-12,600,666	-75,025,727
2018	-17,310,687	-12,257,457	-87,283,184
2019	-17,310,687	-11,923,596	-99,206,780
2020	-17,310,687	-11,598,829	-110,805,609
2021	-17,310,687	-11,282,907	-122,088,517
2022	-17,310,687	-10,975,591	-133,064,108
2023	-17,310,687	-10,676,645	-143,740,753
2024	-17,310,687	-10,385,841	-154,126,594
2025	-17,310,687	-10,102,958	-164,229,553

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

(All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
-----	----	-----
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	401,788	
Civilian Early Retirement	23,978	
Eliminated Military PCS	20,955	
Unemployment	31,157	
Total - Personnel		477,878
Overhead		
Program Management Cost	1,918,257	
Support Contract Termination	0	
Mothball / Shutdown	628,920	
Total - Overhead		2,547,177
Moving		
Civilian Moving	0	
Civilian PPP	141,984	
Military Moving	0	
Freight	0	
Information Technologies	0	
One-Time Moving Costs	4,474,030	
Total - Moving		4,616,014
Other		
HAP / RSE	0	
Environmental Mitigation Costs	5,350,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	15,984,000	
Total - Other		21,334,000
-----		-----
Total One-Time Costs		28,975,069
-----		-----
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		28,975,069

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: LONE STAR AAP, TX (48513)
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
-----	----	-----
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	401,788	
Civilian Early Retirement	23,978	
Eliminated Military PCS	20,955	
Unemployment	31,157	
Total - Personnel		477,878
Overhead		
Program Management Cost	1,918,257	
Support Contract Termination	0	
Mothball / Shutdown	628,920	
Total - Overhead		2,547,177
Moving		
Civilian Moving	0	
Civilian PPP	141,984	
Military Moving	0	
Freight	0	
Information Technologies	0	
One-Time Moving Costs	2,721,720	
Total - Moving		2,863,704
Other		
HAP / RSE	0	
Environmental Mitigation Costs	1,300,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	6,625,000	
Total - Other		7,925,000

Total One-Time Costs		13,813,759

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		13,813,759

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\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	3,759,000	
Total - Other		4,759,000
-----		-----
Total One-Time Costs		4,759,000
-----		-----
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		4,759,000

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\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	1,050,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	75,000	
Total - Other		1,125,000
-----	-----	-----
Total One-Time Costs		1,125,000
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	0	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
-----	-----	-----
Total One-Time Savings		0
-----	-----	-----
Total Net One-Time Costs		1,125,000

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\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	5,525,000	
Total - Other		6,525,000

Total One-Time Costs		6,525,000

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		6,525,000

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\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	1,752,310	
Total - Moving		1,752,310
Other		
HAP / RSE	0	
Environmental Mitigation Costs	1,000,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		1,000,000
-----		-----
Total One-Time Costs		2,752,310
-----		-----
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		2,752,310

TOTAL COBRA PERSONNEL IMPACT REPORT (COBRA v6.10) - Page 1/6
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Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

	Rate	2006	2007	2008	2009	2010	2011	Total
CIVILIAN POSITIONS REALIGNING OUT		0	0	0	0	0	0	0
Early Retirement*	8.10%	0	0	0	0	0	0	0
Regular Retirement*	1.67%	0	0	0	0	0	0	0
Civilian Turnover*	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	0	0
Civilians Moving (the remainder)		0	0	0	0	0	0	0
Civilian Positions Available		0	0	0	0	0	0	0
CIVILIAN POSITIONS ELIMINATED		0	0	0	7	0	11	18
Early Retirement	8.10%	0	0	0	1	0	1	2
Regular Retirement	1.67%	0	0	0	0	0	0	0
Civilian Turnover	9.16%	0	0	0	1	0	1	2
Civs Not Moving (RIFs)*	6.00%	0	0	0	0	0	1	1
Priority Placement#	39.97%	0	0	0	3	0	4	7
Civilians Available to Move		0	0	0	2	0	4	6
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	2	0	4	6
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	1	2
TOTAL CIVILIAN RIFs		0	0	0	2	0	5	7
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	3	0	4	7
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 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: LONE STAR AAP, TX (48513)	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	7	0	11	18
Regular Retirement	1.67%	0	0	0	1	0	1	2
Civilian Turnover	9.16%	0	0	0	0	0	0	0
Civs Not Moving (RIFs)*	6.00%	0	0	0	1	0	1	2
Priority Placement#	39.97%	0	0	0	3	0	4	7
Civilians Available to Move		0	0	0	2	0	4	6
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	2	0	4	6
CIVILIAN POSITIONS REALIGNING IN								
Civilians Moving		0	0	0	0	0	0	0
New Civilians Hired		0	0	0	0	0	0	0
Other Civilian Additions		0	0	0	0	0	0	0
TOTAL CIVILIAN EARLY RETIRMENTS		0	0	0	1	0	1	2
TOTAL CIVILIAN RIFs		0	0	0	2	0	5	7
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	3	0	4	7
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 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\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 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: CRANE AAP, IN (18174)	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 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\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 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 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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

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

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

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

Base: LONE STAR AAP, TX (48513)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	33.33%	0	0.00%	0.00%
2007	0	0.00%	16.67%	0	0.00%	0.00%
2008	0	0.00%	16.67%	0	0.00%	0.00%
2009	0	0.00%	16.67%	8	40.00%	40.00%
2010	0	0.00%	16.67%	0	0.00%	0.00%
2011	0	0.00%	0.00%	12	60.00%	60.00%
TOTALS	0	0.00%	100.00%	20	100.00%	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%

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%

COBRA PERSONNEL YEARLY PERCENTAGES REPORT (COBRA v6.10) - Page 2/2
 Data As Of 5/2/2005 2:20:07 PM, Report Created 5/2/2005 2:20:10 PM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

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%

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%

COBRA TOTAL PERSONNEL SUMMARY REPORT (COBRA v6.10)

Data As Of 5/2/2005 2:20:07 PM, Report Created 5/2/2005 2:20:09 PM

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

TOTAL SCENARIO POPULATION (FY 2005):

Officers	Enlisted	Students	Civilians
11	35	34	1,797

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
11	34	34	1,797

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	-1	0	-1	-2
Enlisted	0	0	0	0	0	0	0
Civilians	0	0	0	-7	0	-11	-18
TOTAL	0	0	0	-8	0	-12	-20

TOTAL SCENARIO POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
9	34	34	1,779

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP _Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

PERSONNEL SUMMARY FOR: LONE STAR AAP, TX (48513)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: LONE STAR AAP, TX (48513)

Officers	Enlisted	Students	Civilians
2	0	0	18

SCENARIO POSITION CHANGES FOR: LONE STAR AAP, TX (48513)

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	-1	0	-1	-2
Enlisted	0	0	0	0	0	0	0
Civilians	0	0	0	-7	0	-11	-18
TOTAL	0	0	0	-8	0	-12	-20

BASE POPULATION (After BRAC Action) FOR: LONE STAR AAP, TX (48513)

Officers	Enlisted	Students	Civilians
0	0	0	0

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

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

Department : Industrial
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0122 Close Lone Star AAP\IND0122 Lone Star AAP_Alt
 05022005.CBR
 Option Pkg Name: Close Lone Star AAP - Alt (move selected workload to Iowa)
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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

Officers	Enlisted	Students	Civilians
2	0	0	29

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

Economic Impact Report

This report depicts the economic impact of the following Scenarios:

IND-0122: Close Lone Star AAP

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

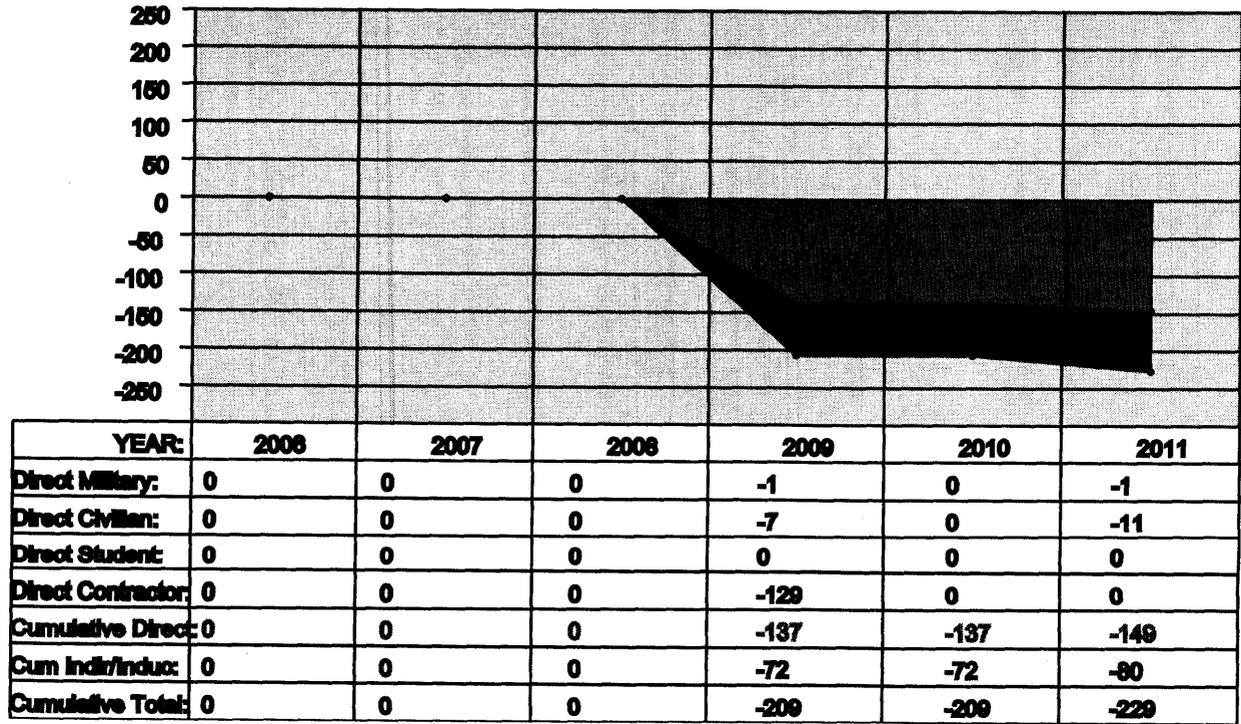
ECONOMIC IMPACT DATA

Scenario: All Selected (see title page)
 Economic Region of Influence(ROI): Texarkana, TX-Texarkana, AR Metropolitan Statistical Area
 Base: All Bases
 Action: All Actions

Overall Economic Impact of Proposed BRAC-05 Action:

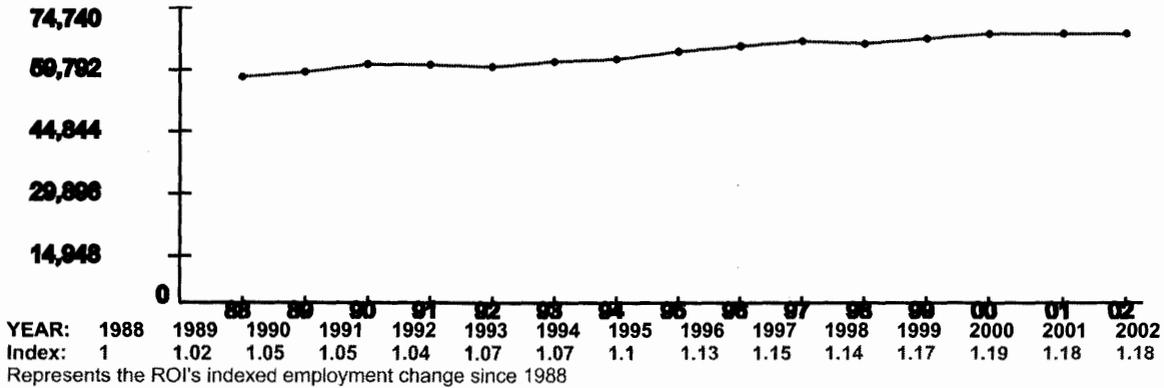
ROI Population (2002): 130,731
 ROI Employment (2002): 67,895
 Authorized Manpower (2005): 20
 Authorized Manpower(2005) / ROI Employment(2002): 0.03%
 Total Estimated Job Change: -229
 Total Estimated Job Change / ROI Employment(2002): -0.34%

Cumulative Job Change (Gain/Loss) Over Time:

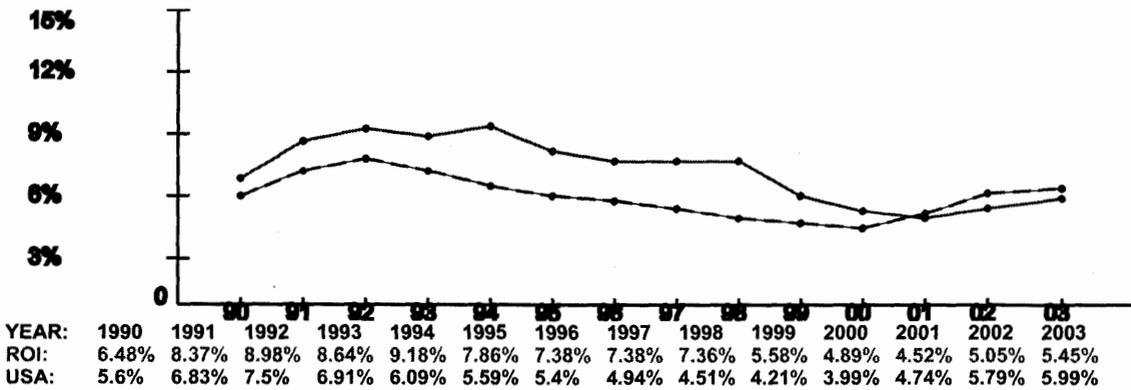


Texarkana, TX-Texarkana, AR Metropolitan Statistical Area Trend Data

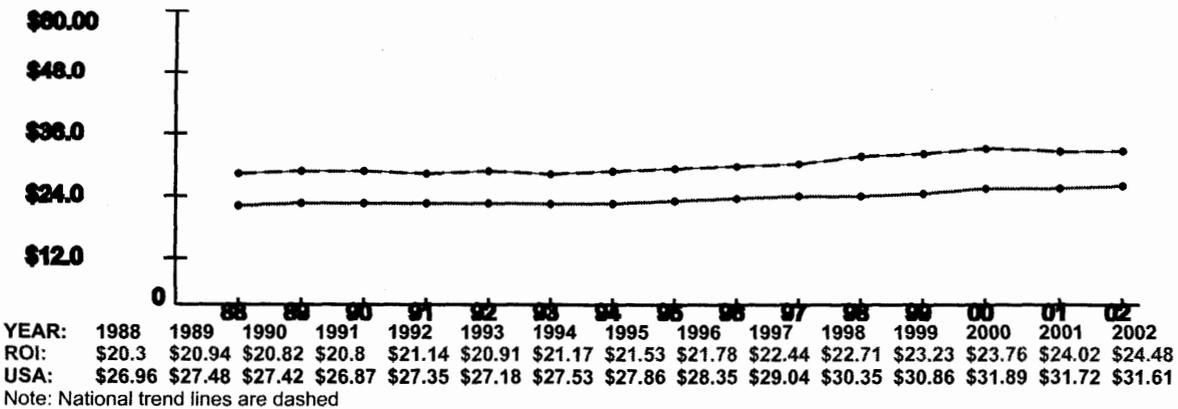
Employment Trend (1988-2002)



Unemployment Percentage Trend (1990-2003)



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



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.

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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	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	

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

LONE STAR AAP, TX

Demographics

The following tables provide a short description of the area near the installation/activity. LONE STAR AAP is 85 miles from Shreveport, LA, the nearest city with a population of 100,000 or more. The nearest metropolitan statistical area (MSA) is

MSA	Population
Texarkana MSA	129,749

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

County/City	Population
Bowie	89306
Total	89,306

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)	\$32,238	Basis: MSA
Median House Value	(US Avg \$119,600)	\$65,600	
GS Locality Pay	("Rest of US" 10.9%)	10.9%	
O-3 with Dependents BAH Rate		\$1,027	
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	25,955	10 of 10 districts
Students Enrolled	19,228	10 of 10 districts
Average Pupil/Teacher Ratio	13.4:1	10 of 10 districts
High School Students Enrolled	8,656	8 of 8 districts
Average High School Graduation Rate (US Avg 67.3%)	85.5%	8 of 8 districts
Average Composite SAT I Score (US Avg 1026)	317	8 of 8 districts
Average ACT Score (US Avg 20.8)	20	8 of 8 districts
Available Graduate/PhD Programs	1	
Available Colleges and/or Universities	1	
Available Vocational and/or Technical Schools	0	

Employment

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

The unemployment rates for the last five-years:

	1999	2000	2001	2002	2003
Local Data	5.6%	4.9%	4.5%	5.1%	5.4%
National	4.2%	4.0%	4.7%	5.8%	6.0%
Basis:	MSA	MSA	MSA	MSA	MSA

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

	1999	2000	2001	2002	2003
Local Data	2.5%	-.3%	-.5%	1.8%	.0%
National	1.5%	2.4%	.03%	-.31%	.86%
Basis:	MSA	MSA	MSA	MSA	MSA

Housing

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

Total Vacant Housing Units	5,495	Basis: MSA
Vacant Sale Units	856	
Vacant Rental Units	2,078	

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	290	565	129,749	Basis: MSA
Ratio	1:447	1:230		
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	4,847.0	Basis: MSA
National UCR	4,118.8	

Transportation

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

Distance from LONE STAR AAP to nearest commercial airport: 23.0 miles
 Is LONE STAR 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.

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	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

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	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	

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.

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

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	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	

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 [TABS FINAL VERSION]
SCENARIO #650 TITLE: IND-0122 CLOSE LONE STAR AAP

GENERAL DESCRIPTION: Close Lone Star Army Ammunition Plant. Relocate the storage and demilitarization functions to McAlester AAP. Relocate the 105mm and 155mm ICM artillery, MLRS artillery, hand grenades, 60 mm and 81mm mortars functions to Milan AAP. Relocate mines function and detonators/relays/delays workload to Iowa AAP. Relocate demolition charges functions to Crane AAA.

This assessment is based on the following assumptions:

1. Relocating the storage and demilitarization functions involves no new personnel or new facilities at McAlester.
2. Relocating the 105mm and 155mm ICM artillery, MLRS artillery, hand grenades, 60 mm and 81mm mortars functions involves workload equal to 135 personnel and no new facilities added to Milan AAP. No actual personnel transfer.
3. Relocating mines functions involves workload equal to 10 personnel and no new facilities added to Iowa AAP. No actual personnel transfer. Relocating the detonators/relays/delays workload involves workload equal to 25 personnel. No actual personnel transfer. Basic capability exists at Iowa for mine functions, no need to construct lead processing plant, per phone conversation with Willie Smith, IND JCSG, April 28, 2005.
5. Relocating demolition charges involves workload equal to 10 personnel added to Crane AAP. No actual personnel transfer.

ANALYST: _____

DATE: 28 APRIL 2005

Env Resource Area	#1 Gaining Installation Assessment Inst Name: McAlester AAP	Analyst Comments (& data source(s) that drive assessment)
Air Quality	Likely No Impact. Although no transfer of personnel or new construction, permit and threshold exceedences have been reported. Additional activity may require Air Conformity Analysis.	#211 – Threshold exceedences reported for PM10 and VOC #212-Exceeds major source threshold for Manganese #213 In attainment for CO and Ozone (1 hour) rest are “unclassifiable” (Per EPA website, considered in attainment) #218/ISR2 No mission impact indicated #220 Major Operating Permit, Title V permits for installation.
Cultural/Archeological/Tribal Resources	Likely no impact due to no new construction required. A very limited portion these installation has been surveyed for cultural resources (<5%); therefore, the extent of cultural resources on the installation and impacts to these resources is uncertain.	#201 No constraints #229, 231 No cem/native people’s sites #230 No arch resources identified. #232- High potential for arch sites #233 – 4.45% of installation surveyed #234 – Choctow, Caddo, Quapaw, Wichita, Chickasaw, have asserted interest in some archeological resource #235 – 5 Historic districts identified with 210 historic properties #236 – No Prog. 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 - 28,290 buildable acres available 0 acres required for additional storage buildings or expansion (per phone conversation with Don Morrison et.al. (RIA) 1-3-05). #254 -No SRAs restricting training/mission #256 -No SRAs nearby CERL-Minimal Encroachment
Marine Mammals /Marine Resource Sanctuaries	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	No Impact. TES on installation include American Burying Beetle and restrict operations. Additional operations may further impact TES, leading to additional restrictions on operations.	#249 - No restrictions #259 - 1 species (American Burying Beetle) inhabits main installation area (soil disruptions of >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
Waste Management	No Impact	#269- Installation has a RCRA X Permit (interim or final status not specified) #265 - Has hazardous waste TSD facility (RCRA Part B Permit) #272 - Has SWDF; 33% filled
Water Resources	Likely No Impact. Water quality impaired by pollutant loadings. Current operations may contribute to impaired water quality. Significant mitigation measures to limit releases may be required to reduce impacts to water quality and achieve USEPA Water Quality Standards. Wastewater permit modifications/pollution prevention measures may be required due to additional workload.	#276 Installation not over a recharge zone #278 Not subject to McCarren Act #279 Installation discharges to an impaired waterway (organic loading), but current operations do not further impair waterway #293 No potable water restrictions #282 Installation uses one On Military Installation Gov't-Owned Plant for industrial wastewater treatment #297 - Installation uses one On Military Installation Gov't-Owned STP #291-1 On Military Installation Gov't-Owned Plant for potable water IREM -infrastructure can support additional 1,974 personnel
Wetlands	No Impact	#251 Installation surveyed 9/20/99 #257 6.86% of installation is constrained by wetlands.

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);
SCENARIO #650**

Env Resource Area	#2 Gaining Installation Assessment Inst Name: Milan AAP	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No Impact – No new construction planned.	#211 – No exceedences reported for known criteria pollutants. #212-No exceedences reported #213 In attainment for all pollutants #218/ISR2 No mission impact indicated #220 Major Operating Permit, Title V permits for installation.
Cultural/Archeological/ Tribal Resources	No Impact due to no new construction required.	#229 Cemeteries are present #230 11 unspecified sites of high archeological interest which do not impact mission or land use #231 Native people sites identified #232-Areas with high potential for archaeological resources identified #233 7.2% of the installation surveyed #234 No tribes have asserted interest #235 1 Historic District identified #236 Programmatic agreement in place
Dredging	No Impact	No dredging impacts for this scenario.
Land Use Constraints/ Sensitive Resource Areas	No Impact	#30/#198 1,848 buildable acres available; 0 needed. #201 No constraints #254, #256 No SRA restricting training/mission
Marine Mammals/ Marine Resources/ Marine	No Impact	There are no impacts to marine resources from this proposal.
Noise	No Impact.	#239 106 acres of Noise Zone III and 994 acres of Noise Zone II extend off installation, which is moderately encroached by development.
Threatened & Endangered Species/ Critical	No Impact	#249, 259, 260 No TES or critical habitat and no restrictions present. #261 thru 264 No biological opinions, no candidate species.
Waste Management	No Impact	# 269. Gaining installation has a RCRA X Permit (interim status) #272-Permitted SWDF #265-Permitted Hazardous waste TSDF

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Water Resources</p>	<p>No Impact. Wastewater permit modifications/pollution prevention measures may be required due to additional workload.</p>	<p>#276 Installation not over a recharge zone #278 Not subject to McCarren Act #279 Installation does not discharge into impaired waterway #291- 1 On Military Installation Gov't-Owned Plant for potable water #292 Significant capacity remains in potable water - IREM reports infrastructure can support additional 742 people #293 No restrictions reported #297 Significant capacity remains for municipal and industrial effluent #282-Installation has one On Military Installation Gov't-Owned Plant for industrial wastewater</p>
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Wetlands</p>	<p>No Impact</p>	<p>#257 1.6% of installation is restricted by wetlands – specifics on restrictions not provided #251-Survey complete</p>

Subject: Summary of Scenario Environmental Impacts (Continued);
SCENARIO #650

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 criteria pollutants.	#213 – In attainment for all criteria pollutants #211 – No exceedences reported #212 – No exceedences reported #220 – Holds 1 Major Operating Permit (SIC code 9711, 3483) and has a Title V application on file with the State; however, a permit has not been issued. #222 – No Emissions Credit Trading program available #218 – Restrictions reported on open burning operations for installation due to IDNR regulations on open burning restrictions/ban.
Cultural/Archeological/Tribal Resources	Likely no impact due to no new construction required. Cultural resources currently restrict operations. Additional operations may impact these resources, which may lead to restrictions on these operations as well. Potential impacts may occur since resources must be evaluated on a case-by-case basis, thereby causing increased delays and costs.	#233- Installation 100% surveyed #235 – No historic prop identified #230 – 291 Known historic and prehistoric arch sites, restricts future construction and trng/opns. No restrictions within chain-link fenced production areas. Addit'l survey req'd on agricultural land if ground disturbance is > 8". All other areas require addit'l survey work for any ground disturbance. #231 – Native People sites identified #236 – No Progr. Agreement with SHPO #234 – 3 tribes assert interest in archaeological sites, rare interaction #232 – Areas with high arch potential identified
Dredging	No Impact - no dredging required for scenario.	#226, 227, 228 – Not applicable
Land Use Constraints/Sensitive Resource Areas	No Impact. Two SRAs identified but cause no restrictions.	#30 – 2,806 BA available, 0 required #201 – No constraints reported #256 – 2 Sensitive Resource Areas identified but cause no restrictions CERL-Moderate encroachment
Marine Mammals/Marine Resources / Marine Sanctuarie	No impact	#248, #249 #250, #252, #253 - No restrictions
Noise	No impact - no major noise expected due to this proposal.	#239 – Installation does not have noise contours that extend off installation.

Threatened & Endangered Species/Critical Habitat	<p>No impact.</p> <p>TES on installation include Indiana Bat (<i>Myotis sodalists</i>), which has delayed operations for training on smoke or blank ammunition from March 15 to October 31 and prohibits tree cutting from April 1 to September 30. Impacts 27% of installation.</p> <p>TES already restrict operations. Additional operations may further impact TES leading to additional restrictions on operations.</p>	<p>#259 – TES on installation include Indiana Bat (<i>Myotis sodalists</i>), which has delayed operations for training on smoke or blank ammunition from March 15 to October 31 and prohibits tree cutting from April 1 to September 30. Impacts 27% of installation.</p> <p>#260 – No critical habitat identified</p> <p>#261 – No Biological Opinion</p> <p>#262 – No development restrictions reported.</p> <p>#263, #264 – No candidate species/habitat reported</p> <p>#201 – No restrictions reported</p>
Waste Management	<p>No impact.</p>	<p>#269 – Installation has RCRA Subpart X OB/OD Permit, and Iowa AAP interim RCRA Part B permit for OB/OD, submitted 11/1988.</p> <p>#265- Has RCRA (TSD) facility.</p> <p>#272 –Has permitted solid waste disposal facility, 85% filled.</p>
Water Resources	<p>Likely No Impact. Wastewater permit modifications/pollution prevention measures due to additional workload may be required. Installation may need upgrades to industrial wastewater treatment systems for lead processing.</p>	<p>#276 – Installation not located over a sole-source aquifer</p> <p>#278 – McCarren Amend does not apply</p> <p>#293 – No potable water restrictions</p> <p>#291 – 1 publicly owned off-installation plant for potable water.</p> <p>IREM indicates remaining capacity for potable water to support 4,385 personnel</p> <p>#279 –Installation does not discharge to impaired waterway</p> <p>#297 – Two On Military Installation Govt Owned Sewage Treatment Plants</p> <p>#282 – 1 Industrial Gov't owned wastewater treatment system located on installation.</p> <p>#822, 824, 825, 826, ISRII – no restrictions reported</p>
Wetlands	<p>No impact.</p>	<p>#251- Survey completed 08/99.</p> <p>#257 – Wetlands affect 0.6% of installation, restrict operations by avoiding wetlands if possible and obtain permit if required.</p>

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);
SCENARIO #650**

Env Resource Area	#4 Gaining Installation Assessment Inst Name: Crane AD	Analyst Comments (& data source(s) that drive assessment)
Air Quality	Likely no impact. Although in attainment for criteria pollutants and no new construction required, air permit modifications required due to reported threshold exceedences and addition of signal and grenade/explosive/mine activities. Air Conformity Analysis required.	#213 – Installation is in attainment area for all criteria pollutants. #211 - Exceeded major source threshold limits for NOX, PM10 and CO. #212-No permit limits reported #220 -Major operating permit #218/ISR2 - No mission impact indicated.
Cultural/Archeological/Tribal Resources	Likely no impact; no new construction required. Cultural/archaeological/historical resources currently restrict operations. Additional operations may impact these resources, which may lead to restrictions on these operations as well. 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.	#229, 231 No cemeteries/native people's sites #233 - 2.34% installation surveyed #230 - 63 archeological resources; most restrict future construction and training/operations #232 - High potential for arch sites #234 - No tribes have asserted interest; #235 - 3 historic districts with 64 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 and 0 needed. #254, #256 No SRA restricting training/mission #201 No constraints CERL-Minimal encroachment
Marine Mammals/Marine Resources/Marine	No Impact	There are no impacts to marine resources from this proposal.
Noise	No Impact.	#239 – 28,865 acres of Noise Zone II extend off range and 4,650 acres of Noise Zone II extend off installation. 15,341 acres of Noise Zone III extend off range, which is minimally encroached by development.

<p>Threatened & Endangered Species/Critical Habitat</p>	<p>No Impact. TES on installation include the Indiana Bat and Bald Eagle, which affects 80 acres.</p> <p>TES already restrict operations. Additional operations may further impact TES, leading to additional restrictions on 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>Waste Management</p>	<p>No Impact.</p>	<p>#269 - Has RCRA Subpart X Permit #265 - Has hazardous waste TSD facility #272 - Has SWDF; 70% filled</p>
<p>Water Resources</p>	<p>Likely No Impact. Water quality impaired by pollutant loadings. Current operations may contribute to impaired water quality. Significant mitigation measures to limit releases may be required to reduce impacts to water quality and achieve USEPA Water Quality Standards.</p> <p>Wastewater permit modifications/pollution prevention measures may be required due to additional workload.</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 Numerous On Military Installation Govt Owned Plants for industrial wastewater treatment. Significant industrial wastewater treatment capacity on installation. IREM indicates water infrastructure can support additional 1,020 personnel #291-1 On Military Installation Govt Owned Plant for potable water #297-1 On Military Installation Govt Owned Plant for sewage treatment</p>
<p>Wetlands</p>	<p>No Impact.</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 #650 (IND-0122V2)

Env Resource Area	<i> Losing Installation Assessment</i> Inst Name: Lone Star AAP	Analyst Comments (& data source(s) that drive assessment)
Air Quality	No impact	#213 All NAAQS in attainment.
Cultural/Archaeological Resources	Surveys and consultation with SHPO will be required to ensure protection of cultural resources at the installation.	#230, 235 No Arch or Historic sites reported. #231 – Sacred sites/Native People’s Sites on installation #232 - Sites with high potential for arch resources were reported.
Drudgion	No impact	
Land Use Constraints/Sensitive Resource Areas	Remediation of munitions contaminants on 3 operational ranges may be required - cost and impact TBD after EBS.	#273 No MMRAs Range Inventory - 3 operational ranges #240 - DERA CTC: \$ 2.742M; \$21.3M spent thru FY03. Operational Range costs -\$1.002M to \$24.176M per Ex
Marine Mammals/Marine Birds	No impact	
Noise	No impact	
Threatened & Endangered Species/Critical Habitat	Federally listed species include the American Alligator. Continued management and/or deed restrictions may be necessary to insure future protection.	#259- 1 TES (American Alligator) with no restrictions. #260-264 No candidate species / habitat was identified
Waste Management	Special waste management areas include RCRA TSDF, solid waste disposal facility, and OB/OD area. Restoration, monitoring /sweeps, access controls, and/or deed restrictions may be required to prevent disturbance and health/safety risks and/or long-term release of toxins to environmental media.	#265 Has RCRA TSD facility #269 Has RCRA Subpart X Permit #272 Has permitted solid waste disposal facility
Water Resources	Groundwater water contamination issues include Benzene, 1,1-Dichloroethene, cis-1,2,-Dichlorethene, and Vinyl Chloride. Surface water contamination includes cadmium, copper, zinc, lead, and barium. Restoration and/or monitoring of contaminated media may be required after closure in order to prevent significant long-term impacts to the environment. Installation has industrial wastewater treatment plant that may require closure.	#275 - Groundwater contamination includes Benzene, 1,1-Dichloroethene, cis-1,2,-Dichlorethene, and Vinyl Chloride. #281 - Surface water contamination includes cadmium, copper, zinc, lead, and barium. #822 Has industrial wastewater treatment plant. #297-No sewage treatment plant #291 – Off installation publicly-owned plants for potable water
Wetlands	No impact	

**SUBJECT: SUMMARY OF SCENARIO ENVIRONMENTAL IMPACTS (CONTINUED);
SCENARIO #650 (IND-0122V2)**

IMPACTS OF COSTS

Env Resource Area	Gaining Installation Inst Name: McAlester, Milan, Iowa, Crane	Losing Installation Inst Name: Lone Star AAP
Environmental Restoration*	None	DERA CTC: \$2.742M 3 Operational Ranges - cost to cleanup (UXO sweep and restoration) estimated between \$2.1M - \$5.8M (AEC Operational Range Database). Operational Range costs - \$1.002M to \$24.176M
Waste Management	None	Restoration/monitoring of hazardous waste sites - \$500K - \$10M+ Land Use Controls management/enforcement in perpetuity - \$50K - \$100K (annual) Asbestos/Lead-based Paint Removal - \$200K-\$1M -Controlled burning/decontamination/demolition of industrial structures/buildings heavily contaminated with explosives/metals -\$1M-\$10M+
Environmental Compliance	<p>McAlester: -Air Conformity Analysis -\$25K-\$75K (incl no mitigation costs) -Realignment NEPA - \$1M (EIS- industrial) -Endangered Species Management (includes monitoring) -\$20K-\$2M -Install Best Management Practices to protect impaired waterways and reduce non-point source runoff from training areas and ranges -\$100K-\$3M</p> <p>Milan: -Realignment NEPA at gaining base - industrial-\$1M (EIS)</p>	Environmental Baseline Survey (EBS) \$300K-\$500K. -Access controls/caretaker management - \$500K-\$1M (annual)

<p style="writing-mode: vertical-rl; transform: rotate(180deg);">Environmental Compliance (CONT'D)</p>	<p>Iowa: -Realignment NEPA – \$1M (EIS- industrial) -Endangered Species Management (includes monitoring) -\$20K-\$2M</p> <p>Crane: -Air Conformity Analysis -\$25K-\$75K (incl no mitigation costs) -Realignment NEPA – \$1M (EIS- industrial) -Endangered Species Management (includes monitoring) -\$20K-\$2M -Install Best Management Practices to protect impaired waterways and reduce non-point source runoff from training areas and ranges -\$100K-\$3M</p>	
<p>COBRA Costs:</p>	<p>McAlester: -NEPA-\$1M (EIS) Milan: -NEPA-\$1M (EIS) Iowa: -NEPA-\$1M (EIS) Crane: -Air Conformity Analysis -\$50K -NEPA-\$1M (EIS)</p>	<p>EBS plus disposal EIS - \$1.3M</p>

INSTALLATION ENVIRONMENTAL PROFILE

LONE STAR 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. LONE STAR 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 LONE STAR AAP. There is no programmatic agreement for historic property in place with the SHPO. It does not have sites with high archeological potential identified. Contact with Native Tribes has rarely occurred.

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

- a. Dredging allows for free navigation of vessels through ports, channels, and rivers. Identification of sites with remaining capacity for the proper disposal of dredge spoil is the primary focus of the profile. However, the presence of unexploded ordnance or any other impediment that restricts the ability to dredge is also a consideration.
- b. LONE STAR 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. LONE STAR AAP reports that 3787 unconstrained acres are available for development out of 15699 total acres. LONE STAR AAP has spent \$21.399999999999999M thru FY03 for environmental restoration, and has estimated the remaining Cost to Complete at \$3M. LONE STAR AAP has Explosive Safety Quantity Distance Arcs, none of which require safety waivers, and some 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. LONE STAR 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. LONE STAR AAP does not have noise contours that extend off the installation's property. It has published noise abatement procedures for the main installation.
- 7. Threatened and Endangered Species/Critical Habitat (DoD Question #259-264)**
- a. The presence of threatened and endangered species (TES) can result in restrictions on training, testing and operations. They serve to reduce buildable acres and maneuver space. The data in this section reflects listed TES as well as candidate species, designated critical habitat as well as proposed habitat, and restrictions from Biological Opinions. The legally binding conditions in Biological Opinions are designed to protect TES, and critical habitat. The data call seeks to identify the presence of the resource, TES, candidate or critical habitat, even if they don't result in restrictions, as well places where restrictions do exist.
 - b. LONE STAR AAP reported that federally-listed TES are present, candidate species are 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. LONE STAR AAP has a permitted RCRA Treatment Storage and Disposal Facility (TSDF) that accepts off-site waste. LONE STAR AAP has an interim or final RCRA Part X facility that accepts off-site waste. LONE STAR AAP has an on-base solid waste disposal facility that is 0.1% 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. LONE STAR 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):
LONE STAR AAP has 719 Acre-Feet of surplus water potentially available for expansion. On average, it uses 0.3579999999999998 MGD of potable and non-potable water, with the capacity to produce 1 MGD. It processed on average 0.5600000000000005 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process MGD. It processed on average 0 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process 0.1440000000000002 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. LONE STAR AAP reported no wetland restricted acres on the main installation, and no wetland restricted acres on ranges.

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, O₃ (1 hour & 8 Hour), and PM (PM₁₀, and PM_{2.5}). Installations in attainment areas are not restricted, while activities for installations in non-attainment areas may be restricted. Non-attainment areas are classified as to the degree of non-attainment: Marginal, Moderate, Serious, and in the case of O₃, Severe and Extreme. SIP Growth Allowances and Emission Reduction Credits are tools that can be used to accommodate increased emissions in a manner that conforms to a state's SIP. All areas of the country require operating permits if emissions from stationary sources exceed certain threshold amounts. Major sources already exceed the amount and are subject to permit requirements. Synthetic minor means the base has accepted legal limits to its emissions to stay under the major source threshold. Natural or true minor means the actual and potential emissions are below the threshold.
- b. 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 has a permitted RCRA Treatment Storage and Disposal Facility (TSDF) that accepts off-site waste. CRANE ARMY AMMUNITION ACTIVITY has an interim or final RCRA Part X facility that accepts off-site waste. CRANE ARMY AMMUNITION ACTIVITY has an on-base solid waste disposal facility that is 70% 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. CRANE ARMY AMMUNITION ACTIVITY discharges 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):
CRANE ARMY AMMUNITION ACTIVITY has 11720.1 Acre-Feet of surplus water potentially available for expansion. On average, it uses .699870 MGD of potable and non-potable water, with the capacity to produce 2.2999999999999998 MGD. It processed on average 1.26 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 2.1000000000000001 MGD. It processed on average 0 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process 4.0538000000000007 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. CRANE ARMY AMMUNITION ACTIVITY reported 5% wetland restricted acres on the main installation, and no wetland restricted acres on ranges.

Draft Deliberative Document-For Discussion Purposes Only-Do Not Release Under FOIA
INSTALLATION ENVIRONMENTAL PROFILE
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, O₃ (1 hour & 8 Hour), and PM (PM₁₀, and PM_{2.5}). Installations in attainment areas are not restricted, while activities for installations in non-attainment areas may be restricted. Non-attainment areas are classified as to the degree of non-attainment: Marginal, Moderate, Serious, and in the case of O₃, Severe and Extreme. SIP Growth Allowances and Emission Reduction Credits are tools that can be used to accommodate increased emissions in a manner that conforms to a state's SIP. All areas of the country require operating permits if emissions from stationary sources exceed certain threshold amounts. Major sources already exceed the amount and are subject to permit requirements. Synthetic minor means the base has accepted legal limits to its emissions to stay under the major source threshold. Natural or true minor means the actual and potential emissions are below the threshold.
- b. 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 0.65 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 5.0000000000000003E-2 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
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, O₃ (1 hour & 8 Hour), and PM (PM₁₀, and PM_{2.5}). Installations in attainment areas are not restricted, while activities for installations in non-attainment areas may be restricted. Non-attainment areas are classified as to the degree of non-attainment: Marginal, Moderate, Serious, and in the case of O₃, Severe and Extreme. SIP Growth Allowances and Emission Reduction Credits are tools that can be used to accommodate increased emissions in a manner that conforms to a state's SIP. All areas of the country require operating permits if emissions from stationary sources exceed certain threshold amounts. Major sources already exceed the amount and are subject to permit requirements. Synthetic minor means the base has accepted legal limits to its emissions to stay under the major source threshold. Natural or true minor means the actual and potential emissions are below the threshold.
- b. 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 .56 MGD of potable and non-potable water, with the capacity to produce 2.496 MGD. It processed on average 5.0000000000000003E-2 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 0.6720000000000004 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.

Draft Deliberative Document-For Discussion Purposes Only-Do Not Release Under FOIA
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 PM_{2.5}). Installations in attainment areas are not restricted, while activities for installations in non-attainment areas may be restricted. Non-attainment areas are classified as to the degree of non-attainment: Marginal, Moderate, Serious, and in the case of O₃, Severe and Extreme. SIP Growth Allowances and Emission Reduction Credits are tools that can be used to accommodate increased emissions in a manner that conforms to a state's SIP. All areas of the country require operating permits if emissions from stationary sources exceed certain threshold amounts. Major sources already exceed the amount and are subject to permit requirements. Synthetic minor means the base has accepted legal limits to its emissions to stay under the major source threshold. Natural or true minor means the actual and potential emissions are below the threshold.
- b. 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 -448 Acre-Feet of surplus water potentially available for expansion. On average, it uses .40901 MGD of potable and non-potable water, with the capacity to produce 3.6000000000000001 MGD. It processed on average 5.2000000000000002 MGD of domestic wastewater in the peak month (past 3 years), with the capacity to process 1.5 MGD. It processed on average 0.1700000000000001 MGD of industrial wastewater in the peak month (past 3 years), with the capacity to process 2.8000000000000001E-2 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.



Recommendation Detail

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

Y N **162**

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

COBRA Data

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

Lead Analyst George Delgado

Job Impact at Affected Bases

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

Other OSD Recommendations

***See Appendix - Alphabetical Listing of Bases

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

Y N **163**

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

COBRA Data

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

Lead Analyst George Delgado

Job Impact at Affected Bases

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

Other OSD Recommendations

***See Appendix - Alphabetical Listing of Bases

Appendix P

Environmental Restoration Costs for DoD's 33 Major Proposed Closures

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

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

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

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

INDUSTRIAL JOINT CROSS SERVICE GROUP

August 12, 2005

MEMORANDUM FOR R. GARY DINSICK, ARMY TEAM LEADER

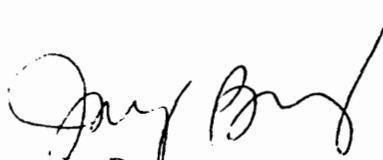
Subject: Army Ammunition Plants, OSD BRAC Clearinghouse Tasker C0843C

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

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

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

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



Jay Berry
Executive Secretary

Attachments: As stated

RIVERBANK ARMY AMMUNITION PLANT

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

KANSAS ARMY AMMUNITION PLANT

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

LONE STAR ARMY AMMUNITION PLANT

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

MISSISSIPPI ARMY AMMUNITION PLANT

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

Environmental Restoration Cost for the 33 Major Proposed Closures

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

Environmental Restoration Cost for the 33 Major Proposed Closures

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

Environmental Restoration Cost for the 33 Major Proposed Closures

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

Environmental Restoration Cost for the 33 Major Proposed Closures

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

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

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

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

**Lone Star Army Ammunition Plant
Responses to Questions from
R. Gary Dinsick, Army Team Leader
Base Closure and Realignment Commission
27 Jul 2005**

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

Response: With the termination of cost plus contracting, the government no longer pays specifically for the contractor's process, but rather for a specific deliverable that meets government specifications. To specifically address all processes and what portions of them may or may not be proprietary cannot be done in the amount of time given to provide an answer to the question. However, a specific example that would be very representative of what would be proprietary and wouldn't be production of the M55 detonator, a small explosive component that consists of a charge of NOL-130 primer mix, a charge of lead azide and an RDX pellet, all consolidated within a detonator cup that is then crimped, sealed and packed in a non-propagating package for shipment to the manufacturer of the fuze it is put into.

This detonator is a very commonly used detonator used in many of the Army's fuzes. Lone Star has produced more than 1,000,000,000 of these detonators since 1958. Under the current contractual arrangement, the government (or any other customer) buys a specific item that meets a specific size and performance specification. How D&Z actually produces the end item is entirely up to them. Outside of size constraints (the detonator must be able to be physically placed in the next higher subassembly) the most important characteristic that must be met is the explosive output of the detonator as measured by the government defined acceptance test (detonator when functioned in the proper test fixture will make a dent in a steel witness block of a minimum depth of 0.010 inches). If the specified number of sample detonators meets this requirement, the detonator lot is accepted by the government (or other customer) and the contractor is paid for the delivered product. While the government clearly owns most, if not all, of the equipment and facilities used to accomplish this, the contractor owns how he does it.

NOL-130 is the primer mix used in the M55 detonator. The government specification for NOL-130 requires, by weight, 38 to 42 % lead styphnate, 18 to 22 % lead azide, 4.5 to 5.5% tetracene, 18.5 to 21.5% barium nitrate and 13.5 to 16.5% antimony sulfide. What the contractor owns is where within those continuums is the final mixture that will provide the desired end result. Since the primer mix is the site of initiation within the detonator, sensitivity of the mix is very important in ensuring that the detonator actually "fires." D&Z "owns" the actual blend composition formula that provides for the proper initiation of the detonator (i.e., the formula that actually is used might be 41.2% lead styphnate, 18.5% lead azide, 5.4% tetracene, 20.6% barium nitrate and 14.3% antimony sulfide).

The lead azide in the detonator is what amplifies and transmits the explosive front from the primer mix to the RDX pellet. It must be of sufficient mass and density to provide sufficient energy to the pellet to ensure it is ignited. The amount necessary is a result of the size constraint of the detonator cup (and final component size requirements as to diameter and length), the final volume of NOL-130 placed in the cup (after consolidation to some density necessary to support the explosive wave front) and the volume of RDX contained within the pellet which also has to be consolidated to some density necessary to generate sufficient final output to meet the acceptance criteria. What the government "owns" is the lead azide specification and (for most DOD work load) the actual lead azide itself supplied as GFM. The amount and final consolidation density is what is "owned" by the contractor.

The RDX pellet is what provides the explosive wave front that actually causes the fuze to initiate the artillery round, mortar round, submunition, etc. Obviously there are size constraints imposed on the pellet so that it will fit into the detonator cup. Sufficient RDX must be available, consolidated to the proper density, to provide the explosive energy necessary to initiate the final explosive charge in the end item. The government "owns" the RDX specification and the range of densities that are necessary. The contractor "owns" the process pressures necessary to actually produce required size and density of the pellet, the physical design of the press tooling necessary to meet the size and density requirement, plus the actual consolidation pressure range within the detonator cup itself, that provides for the final acceptable output for acceptance of the M55 detonator by the government.

The actual design and dimensions of the tooling necessary to accomplish all the above on the government owned equipment is a result of the contractor efforts and is his intellectual property. The actual tooling used is probably government owned if it was manufactured prior to 1998 when the contract was changed from cost plus (when all activities on the plant were wholly paid for by the government) to fixed price, but probably contractor owned if manufactured to support production under fixed price orders and most definitely contractor owned if manufactured to support non-US government production. The legality of using government owned tooling to produce government end items shouldn't be in question. However, the legality of using the contractor designed tooling to support other production may be questionable.

Similar situations exist in melt pour operations (pour temperature of the explosive; temperature of receiving vessel; temperature gradient for cooling to avoid cracks and separations in the final product; rate of vessel fill to avoid foaming and cavitation; vessel preparation to ensure proper bonding of explosive to vessel; etc); shaped charge pressing (temperature of explosive; design of tooling to ensure proper final shape; consolidation pressures necessary to achieve final explosive density requirements and output requirements, etc.), and almost any other explosive process necessary to produce what the government wants.

Essentially, the government "owns" the equipment, facilities and final requirements – the contractor "owns" how the equipment and facilities are used and the road map on how to get from the raw material to the final acceptable product. It should also be noted that the same is true at all the GOCO LAP plants (Lone Star, Kansas, Iowa and Milan). What the government is buying from the contractor, under today's contracting arrangements, is experience and knowledge. And the question that has to be answered is can this experience and knowledge be transferred to another contractor? The answer is most definitely yes; if there are sufficient time and resources devoted to having the new contractor develop his own experience and knowledge database.

Question 2 – For each line where the operating contractor owns the process, how can that line be moved to and incorporated with production at another GOCO facility with a different operating contractor or a GOGO?

Response – Simple answer is time and money. For the most part, all equipment is government owned (there are exceptions and we are still trying to get a handle on what specifically is government owned and what is contractor owned) and can be moved to any other location given sufficient funding and time. Obviously there will be significant problems to be overcome as almost all of the equipment is contaminated with explosives, which necessitates significant cleaning prior to dismantling, packing and shipping. Some equipment, such as the blending and drying barricades used for detonator production weigh in excess of 120,000 pounds each and, due to explosive contamination, could probably not be disassembled to make them more manageable, may be more difficult to move than others. Equipment designed to fit a specific existing building at Lone Star may not be able to be installed in an existing building at Iowa, necessitating the construction of a new building or redesign and procurement of new equipment. Questions as to whether new equipment procurement incorporating current technology is more cost effective than moving 40 year old equipment, even if well-maintained and consistently

upgraded as technology has changed must be answered and these are not questions that will be answered by Lone Star alone, but will require decisions from the potential receiving facilities as well as higher headquarters.

In cases where the actual equipment is owned by D&Z, I am not sure how transfer can be accomplished. I assume that D&Z might be willing to sell the equipment or possibly license the design and technology to the receiving facility directly or the government with or without restrictions on its use. What restrictions they may place on this equipment or intellectual property (in some cases, the equipment or process is patented) and what royalties may be necessary, I cannot answer.

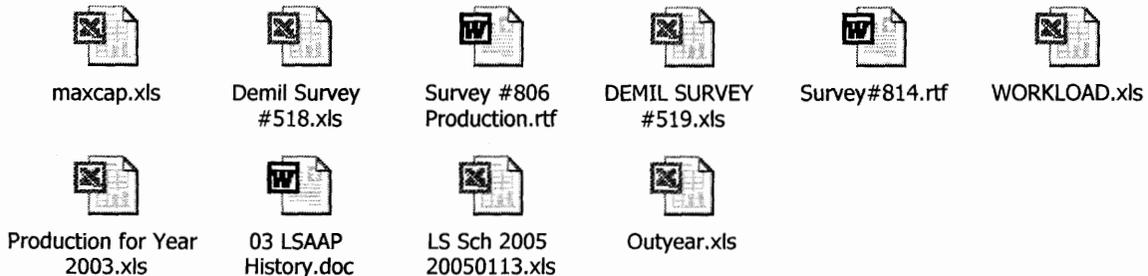
Question 3 – Specifically what equipment will move to each of the gaining installations? For each move, what is the estimated cost to move that equipment? Are there any special requirements needed to move that equipment?

Response – See response to Question 2 above. In addition, it is way too early to provide any cost estimates since the actual scope has not been defined as yet. We are working the issue and will be providing our best guess in our draft implementation plan that is currently scheduled to be provided to AFSC/JMC by 12 Sep 2005. It is anticipated that the estimates will be very rough and probably only provide an upper limit to cost to be incurred. Until guidance and decisions can be provided to Lone Star on what the receiving installation wants to receive and when, real cost figures cannot be developed. Without a defined scope, a reasonable, auditable estimate cannot be made.

During Mr. Dinsick's visit to Lone Star, he toured the detonator facility. It was pointed out to him that the explosive preparation facility and explosive transfer system was a 1974 project that cost a little more than \$14 million. To produce a comparable facility from scratch with today's technology would probably cost in excess of \$50 million today. But, that is a very rough estimate made without knowing what facilities Iowa currently has and what volumes of production the Army will expect Iowa to be capable of producing. The cost input received from Iowa for inclusion in the Lone Star Financial Implementation Plan is \$6 million. Iowa provided no rationale to us, so we have no feel for how accurate it might be.

Question 4 – Provide historical, current 2005, and projected out year percentage of facility utilization.

Response – Numbers requested are attached.



They are the same figures provided during the BRAC data calls for the same subjects, with the exception of the projected workload attached as "Outyear.xls" which is the D&Z projection of anticipated Prime (directed production through JMC) and 3rd Party (competitively obtained workload which may be DOD, commercial or foreign sales) workload through CY2010. Current utilization, using the calculation methodology specified in the BRAC data call, would have

averaged about 12% over the past year with a high of approximately 16% and a low of approximately 8%.

The utilization numbers need to be looked at with the understanding that two factors distort them so that they really do not reflect either meaningful utilization rates or potential capacity. First, production lines, to include equipment duplication, were sized to meet Cold War requirements and exist today to still meet those requirements. For example, the Industrial Preparedness Plan at Lone Star used to require the production of more than 50 different detonators at production levels that were never actually required or demonstrated. However, the equipment procured to meet those demands still exists on site and comprises the capacity that current production requirements are being compared to. Of course, as newer ammunition and explosive items have been added to Lone Star's production capabilities, those capacities reflect lower demand rates which would have been more reasonable in the world as it was when the requirement was originally developed. In short, the newer the item, generally, the lower quantities were reflected in the production line equipment capacity requirements.

Second, there is a world of difference in the resources necessary to produce a detonator, which lends itself to relatively high-speed automation, and the labor-intensive requirements to produce a 960-pound GATOR Mine Dispenser. While detonator production capacity may be measured in millions of detonators per month, GATORS are measured in single units per day. So to say that 5% utilization of detonator capacity is sufficient to meet 100% utilization of GATOR capacity is true, but is very much like comparing grapes with watermelons while saying they both are the same. How much capacity for detonator production will be required at Iowa if the mission is moved there? What does DOD lose in surge and volume possibilities if all the detonator capacity is not moved from Lone Star to Iowa? These are questions that Lone Star cannot answer, but must be addressed by AFSC/JMC and PEO – Ammo. What is not reflected in what appears to be excess capacity is the flexibility that it provides that can only exist with this extra capacity. For example, a detonator loader can be configured and tooled to produce as many as 25 or 30 different detonators. The switching from production of an M55 detonator to producing an M59 detonator may require one or two days dictated by the tooling that must be changed and product flow alterations that may be necessary. But, with two detonator loaders, both items could be run separately, concurrently or individually without requiring production impacts. With a single detonator loader, the same volume of production may very well be possible, but only with production shutdowns and additional setup costs associated with the necessary changeover.

Question 5 – Provide updated certified data on the personnel levels by military officer, enlisted, civilian and contractor.

Response – Since certified data was specifically requested, the data will be submitted using the same procedure as under the BRAC data calls and is being staffed separately. It will reflect one military officer, zero enlisted, eighteen DA civilians and an average of 430 contractor personnel (minimum – 387; maximum – 462) thus far in CY 2005, which I believe was provided directly to the Commission by D&Z. A possible discrepancy has been noted in comparing actual staffing and the COBRA generated savings. The Lone Star TDA has two military positions on it. One is an O-5 position that is a DA centrally selected command position and is currently filled. The other is an O-3 position is not DA centrally selected (or supported) which, prior to the reassignment of the incumbent in 1997, was the Executive Officer of the plant. This second position has been authorized, but vacant since 1997.

Question 6 – What is the FY04-FY11 planned workload for each line? What is the funding against each requirement?

Response – Workload information was provided in response to Question 4. Funding levels are not known at the plant level. Prime (JMC directed) workload funding is not provided to Lone Star except as reflected as a deliverable under the contract. 3rd Party (non-directed DOD, commercial or foreign sales obtained competitively by D&Z) is only available through D&Z and, except in rare cases, is unknown to the government staff at the plant.

Question 7 – What makes Lone Star Army Ammunition Plant unique? Why is it unique? Why can't that be done at any other location?

Response – Lone Star is unique in that it has the only fully automated blending, drying and transporting facility for handling initiating explosives. This capability, established under a 1974 modernization project at a cost of \$14 million dollars has been in continuous service since its completion during which time there have been no personnel injuries associated with any of these operations. The design of the facility and equipment maximizes personnel safety by minimizing personnel exposure to dry (and therefore extremely sensitive) initiating explosives. In addition, the existing six blending barricades allow for the mixing, blending and safe storage of up to six different primer and explosive pyrotechnic mixtures needed to support simultaneous production of a variety of detonators, delays, relays and other small explosive components.

A unique pyrotechnic mixing, granulating and drying (MIGRAD) system is located on G Line and is capable of producing relatively large batches of pyrotechnic mixes to support tracer, incendiary and delay production. It is currently used by D&Z to provide pyro mixes to their Camden, AR facility which produces electric primers and tracers in support of the 120MM tank ammunition program, as well as other 3rd Party contracts requiring pyro mixes.

The Defense Reutilization and Marketing Service (DRMS) has three non-explosive demil facilities within CONUS. Lone Star is one of them. While not an Army directed mission, D&Z was originally selected as one of twelve demil centers for DRMS. Workload has gravitated to the remaining three centers because all three have demonstrated superior workmanship, flexibility in performing a wide range of demil services (work load has through the years has consisted of M113 APCs, Bradley Fighting Vehicles, various aircraft (both complete and parts), jet engines, chemical protection suits, machine guns, electrical harnesses, both tactical and non-tactical vehicles, as well as almost anything else imaginable). The contractual arrangement and working relationship between D&Z and DRMS provides for maximum flexibility to the customer in establishing start and stop dates/times, changes in priorities for demil to better mesh with market demands and commodity prices, not to mention demil of high visibility items that must done quickly. This workload has significantly impacted plant operating costs by increasing the direct labor base, absorbing overhead costs and employing skilled workers who might otherwise have been let go due to fluctuations in ammunition production levels. Since this work is not directed mission workload, it was not captured in the BRAC data calls.

Demanufacturing of Electronic Equipment Reuse and Recycling (DEER2) was a Congressionally mandated program with a stated goal of demonstrating the feasibility and state-of-technology available to dispose of obsolete or excess electronic equipment in an environmentally responsible manner. At completion of the program, this Army owned equipment was transferred to Lone Star and installed under the ARMS Program to coincide with the Lone Star DRMS demil work. D&Z was funded to balance the process flow and equipment outputs. D&Z has entered into a partnering agreement with the Texarkana Federal Correctional Institution to use this equipment to augment their electronic demil program by improving the quality of scrap generated thereby increasing revenue earned. The enterprise has the potential of providing a significant increase in workload for the prisoners, improving prisoner morale and retraining by providing additional revenues to the FCI program and improving Lone Star's competitive posture by both an increase in the direct labor base and absorption of plant overhead costs.

When the last remaining COCO source for M223 and M239 fuzes (mechanical fuzes used for submunitions in DPICM artillery rounds and the MLRS) advised AMCOM that they were no longer interested in producing this item, D&Z proposed that the equipment be bought from EMCO and installed at Lone Star. AMCOM provided the funds and the procurement was made. This system is now installed and in production. This capability provides considerable flexibility in meeting MLRS production requirements for field service stocks, FMS and R&D efforts since the M55 detonator (used in the M223 and M239 fuzes), the fuzes and the submunitions are all now produced at the same location.

At one time there were eight manufacturers of the metal parts for ICM/MLRS submunitions. Reduced demand has essentially caused all eight to get out of the business. As a result, metal parts to support these programs are becoming extremely expensive and difficult to obtain. At the same time, the Army is trying to shift to the use of insensitive explosives in the production of ammunition. Merging the two problem areas, D&Z developed a patented process to recycle existing ICM submunitions by removing the Composition A-5 explosive and then reloading the recovered submunition bodies with an IM explosive, PAX-2A.

As a subcontractor to KDI, the prime contractor for development and production of a self-destruct fuze (SDF) for ICM submunitions, D&Z has designed, built/procured, installed and proven out assembly equipment to load all explosive components into and final assembly of an electronic SDF to support the production of the M915, DPICM 105mm round, as well as potentially being used to support retrofit of existing M864, DPICM 155mm rounds currently in inventory and future production of submunitions to support development and subsequent production of future ICM mortar and artillery rounds currently in R&D.

Lone Star currently is the sole producer of the M67 hand grenade. D&Z has improved the production equipment to provide for enhanced safety with the use of remote vision systems, automated controls and greatly improved packing and marking equipment.

In addition, Lone Star is the sole producer of the Modular Crowd Control Munition (MCCM); the M82 primer, the MK161 primer and tape loop/eyelet assemblies for the M101 grenade. Lone Star is also the only successful loader of ICM submunitions with IM explosives, a process developed with ARDEC.

Question 8 – Are there any special skills at Lone Star that cannot be found anywhere else? What? Why can't they be relocated?

Response – Special skills associated with Lone Star are not very esoteric in nature, but rather reflect D&Z's involvement in all aspects of ammunition design, development, producibility and production for more than fifty years. It is not unusual for the same engineering and production staff to work with the R&D team developing a design for a new munition that can be produced in an economical manner while simultaneously designing production equipment capable of manufacturing the item and then continuing on as the production team while the item is placed into production, develop renovation and demil procedures to allow extending product life or removing it from use. This "birth-to-death" involvement with families of munitions results in a quality product at a reasonable cost being manufactured to high quality standards safely.

Explosive safety is not a course of study at the local university. While basics can be learned from government and the rare commercial source, most explosive safety people learn by working with the experts and being exposed to the actual situations. Lone Star has continuously done this for the last fifty years and has been very successful at it. Even at the low production rates of today, Lone Star performs more than 500,000 explosive operations every working day. In the last 1600 days (3,000,000 hours), Lone Star has had only one lost time injury and it occurred at a location and operation that has never experienced an explosive incident before in more than 45 years of

operation. Lone Star is consistently well below industry averages for OSHA Recordable Accidents and our safety program has been featured in national safety media.

I am not aware of any BRAC related actions that could result in contractor personnel being relocated to receiving plants. I would assume that if the contractor at these sites provided sufficient funds and incentives, he would be successful in hiring and moving current D&Z employees that he might require. However, real world is that most of the highly skilled D&Z employees who would be helpful to receiving plants have more than 30 years with D&Z at Lone Star and are within a few years of minimum retirement. In addition, most are life-long residents of the local area with parents and children still living here. Personal opinion is that few, if any, could be enticed to leave this locale. Of a government staff with comparable age, experience and ties to the community, only two of the eighteen have indicated they would even consider accepting a transfer when the plant is closed. I would assume the percentage of D&Z employees would be comparable.

Question 9 – We have received several packets from Lone Star personnel, is there anything new to add to that information, or any additional information that the Commission needs to have in order to make its decision on this recommendation? Are there any additional questions we need to ask the OSD Clearing House?

Response – The government staff at Lone Star Army Ammunition Plant has provided Mr. Dinsick with a copy of the standard command briefing. That is all that we have provided directly to the Commission. It is my understanding that D&Z has met with you and provided information they thought was relevant to this process. Further, I believe they have answered some specific questions the Commission asked them. I do not know what additional information you may have received about Lone Star from any other source. Given that, I cannot directly answer this question.

If the Commission has any additional questions, including any clarification that may be desired on anything presented in this response, please feel free to contact the undersigned and I will be happy to do my best to accommodate you.

Madison V. Bagley, P.E.
Contract Operations Officer
Lone Star Army Ammunition Plant
Hwy 82 West
Texarkana, TX 75505-9101
(903) 334-1208



**RED RIVER
REDEVELOPMENT AUTHORITY**
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July 29, 2005

The Honorable Anthony Principi
Chairman
2005 Base Realignment and Closure Commission
2521 South Clark Street, Suite 600
Arlington, Virginia 22202

COPY

Re: Lone Star Army Ammunition Plant
Bowie County Texas

Dear Chairman Principi:

We would like to take this opportunity to thank you for your efforts towards working with Bowie County and local officials, regarding the BRAC recommendations on Red River Army Depot (RRAD) and Lone Star Army Ammunition Plant (LSAAP).

Attached is a letter requesting our support and endorsement of a Day and Zimmerman Incorporated (DZI) proposal to "privatize in place" the LSAAP operations currently under scrutiny by the Commission. This privatization proposal includes the early transfer of property to the Red River Redevelopment Authority (RRRA) which has the expertise to expedite this process. A subsequent lease arrangement between DZI and the RRRA will allow vital defense ammunition work to continue in place at a greatly reduced cost to the DOD than the original recommendation.

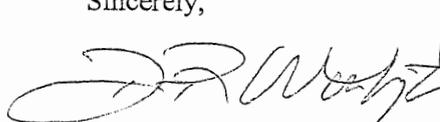
The RRRA endorses the concept of "privatization in place" offered by DZI and will accept the early transfer of the LSAAP property after due diligence and negotiation of agreeable terms under BRAC law.

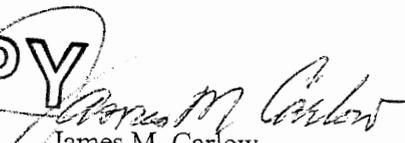
We all realize that considerable work lies ahead in working through the various obstacles to making privatization a reality. The community and the RRRA are prepared to do that work and are experienced enough to make it happen in an expedited manner.

Therefore, Bowie County and the RRRA fully endorse the proposal offered by DZI, especially if it achieves the best military transformation option for the Commission, and the Department of Defense, and serves the best interests of Bowie County.

We appreciate your support and cooperation and look forward to hearing from you.

Sincerely,


Denis Washington, Chairman
Red River Redevelopment Authority


James M. Carlow,
Bowie County Judge

Cc: Gary Disnick
Jerry Smith, DZI



Day & Zimmermann

Munitions and Defense

July 28, 2005

Honorable James M. Carlow
Bowie County Judge
P. O. Box 248
New Boston, TX 75570

Dear Judge Carlow:

RE: LSAAP Privatization in Place

As you know, Day & Zimmermann made a presentation to the BRAC staff outlining a scenario whereby the current manufacturing activity at LSAAP would continue in place under a privatized in place arrangement.

D&Z is prepared to enter into a lease agreement with the Redevelopment Authority once the property is transferred to them from the Army. We would like for such action to take place as quickly as possible although we recognize that the BRAC transfer process must be adhered to and all parties have a certain amount of due diligence to conduct.

We believe this proposal results in a win for all parties. The Army will maintain the ability to take advantage of proprietary processes owned by D&Z. The community avoids the loss of over 400 D&Z jobs and D&Z retains a fully capable plant in its corporate family.

I have obtained the endorsement of a number of our Labor Unions as indicated on the enclosure.

Any support you can lend in obtaining the endorsement of the Redevelopment Authority and making the privatization in place proposal a reality would be most appreciated. D&Z is a part of this community and would like to remain so.

Sincerely,



COPY

JERRY E. SMITH
Vice President & General Manager

JES/gd

PRIVATIZATION ENDORSEMENT

Lone Star Army Ammunition Plant has been recommended for closure under BRAC 2005. Due to the uncertainty involved with the process and after much study, Day & Zimmermann proposes to enter into an agreement with the Local Redevelopment Authority to privatize Lone Star AAP. The following Lone Star AAP Unions endorse the privatization of Lone Star AAP:

Union	Name	Signature
Boiler Operators, Local 1	Jackie Robison, Job Steward	<i>Jackie Robison</i>
Carpenters	James Simmons, Job Steward	<i>James Simmons</i>
Chemical Workers, Local 526-C	Jimmy Lewis, President	<i>Jimmy Lewis</i>
Electrical Workers, Local 301	Sarah Cutsinger, Chief Steward	<i>Sarah Cutsinger</i>
Fire Fighters, Local I-5	Gene Hutchison, President	<i>Gene Hutchison</i>
Guard, Local 50	Jack Walker, Business Agent	<i>Jack Walker</i>
Machinists, Local 1243	Larry Williams, President	<i>Larry Williams</i>
Millwrights	James Quinn, Chief Steward	<i>James Quinn</i>
Office Workers, Local 303	Don Collom, President	<i>Don Collom</i>
Painters, Local 424	James Johnson, President	<i>James Johnson</i>
Pipefitters, Local 100	Burgess Karr, Chief Steward	<i>Burgess Karr</i>
Teamsters, Local 878	Arrie Dawson, Steward	<i>Arrie Dawson</i>

Suggested LSAAF BRAC Language...

Lone Star Army Ammunition Plant, Texarkana, Texas

Category: Industrial Joint Cross-Service Group

Mission: Munitions and Armaments

One-time Cost: \$28.98 million

Savings: 20 yr NPV: \$164.2 million

Annual: \$17.3 million (after implementation)

Return on Investment: 2012 (1 year)

Requested Final Action: Close (with Privatization-in-place)

Secretary of Defense Recommendation

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

Secretary of Defense Justification

Capacity and capability for Artillery, Mortars, Missiles, Pyro/Demo, and Storage exists at numerous munitions sites. There are 8 sites producing Artillery, 5 producing Mortars, 9 producing Pyro-Demo, 15 performing storage, 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. Goal is to establish multi-functional sites performing Demilitarization, Production, Maintenance, and Storage. Lone Star primarily performs only one of the 4 functions.

Community Concerns

The Texarkana community believes that the military value calculation performed by OSD for integrated capabilities does not accurately reflect the integrated value of the installation. Lone Star AAP was given credit for performing primarily one of the four functions used to make up a center of excellence. In reality, Lone Star AAP is a multifunctional site, which performs the full scope of the functions listed; demilitarization, production, maintenance, and storage. The community is also concerned with the capacity analysis which did not take into consideration the size and complexity of munitions or the fact that current capacity and max capacity were reported as equal. Also, the community is concerned that portions of the data call information provided to the OSD are inaccurate since the total manpower for Lone Star AAP was understated by 242 people, which prevented Lone Star AAP from acquiring a site visit. Finally, the community is concerned that all one-time costs were not considered when calculating savings and implementation of the recommendations. The Texarkana community has proposed a privatization-in-place as an alternative reuse of the installation if the recommendation to close is approved. The community is concerned that a final recommendation not interfere with its proposal.

Community Findings

The community found that OSD excluded \$14.16 million in costs for duplicative and closure related moving costs for system capabilities such as 105MM and 155MM ICM Artillery, MLRS Artillery, Hand Grenades, Detonators/Relays/Delays, and Demolition Charges that will jeopardize warfighter support during the estimated moving time to the receiving sites. For example, concerning Detonators, the state of the art initiating explosive processing and transfer system capability located at Lone Star AAP is not present at the gaining installation; however, these costs were not included to upgrade that facility to the same efficiency and safety standards which exist at Lone Star AAP. Cost of preparing and processing special delay mixes used in unique items appear to also be excluded. Other functions which seem to be excluded include; Supplementary Charge, Percussion Primers and Non-Lethal Munitions (MCCM). The community found that OSD failed to consider the value of proprietary data of the incumbent contractor gained from 54 years of operating the Lone Star AAP. The community believes that these exclusions will raise the one-time closure cost to \$43.14 million, which does not include the value of proprietary data of the incumbent contractor. The community found that OSD under-evaluated the military value and capacity analysis for the integrated capabilities that currently exist at the Lone Star AAP. The OSD used inappropriate attributes to form recommendations and those recommendations were inconsistently reported when compared to neighboring installations. Also, OSD did not account for the size and complexity of the munitions when calculating capacity; Detonators were given the same weight as MLRS rockets. Lone Star AAP is not currently producing at maximum capacity although OSD's capacity analysis indicated current capacity and maximum capacity were equal. This misrepresents the current utilization of Lone Star AAP. However, with the proposed alternative of privatization-in-place, the DoD will realize a one-time cost savings of \$40.6 million and the same net recurring savings as closure of \$17.3 million annually. These findings lead the community to conclude the most cost-effective method to implement OSD recommendations for the Lone Star AAP is privatization. The community strongly urges the Department of Defense to allow privatization of these assets.

Community Recommendations

The community finds the Secretary of Defense deviated substantially from final criteria 1, 4 and 5. Therefore, the community recommends the following: close the Lone Star Army Ammunition Plant, Texarkana, Texas. Transfer workload, equipment, facilities and personal property to the Local Re-Use Authority or other jurisdiction as appropriate. The community proposes 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 (one dollar) per annum lease to the Local Re-Use Authority. The Re-Use Authority will sublease sufficient facilities and personal property to the operating contractor to perform their current workload. At the conclusion of the clean-up and transition phase, the community proposes that the Government transfer all equipment, facilities and property to the Local Re-Use Authority at no cost, for re-development and economic impact mitigation. To the extent that the privatization-in-place is implemented,

sufficient DA civilian and military personnel should remain in place to effect transition of both workload and property as described and carry out any transition activities necessary. The community finds this recommendation is consistent with the force-structure plan and final criteria.

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



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



Jay Berry
Executive Secretary

**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:

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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

Perdayflex

Esselle



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P4

MR. CHAIRMAN AND FELLOW COMMISSIONERS,
DOD JUSTIFIES THE CLOSURE OF THE LONE STAR
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 AND STORAGE
MISSIONS ARE MOVED TO MCALESTER, MILAN,
AND IOWA ARMY AMMUNITION PLANTS AND THE
CRANE ARMY AMMUNITION ACTIVITY.

THE DOD COBRA SHOWS A \$164.23 MILLION
DOLLAR 20-YEAR NET PRESENT VALUE SAVINGS
WITH A PAYBACK PERIOD OF 1 YEAR.

THIS CLOSURE ELIMINATES 2 MILITARY, 18
CIVILIAN AND 129 CONTRACT POSITIONS.

DOD JUSTIFICATION SLIDE –OFF
DOD ISSUES SLIDE – ON

THE RED RIVER REDEVELOPMENT AUTHORITY
PROPOSED CLOSURE AND TRANSFER OF ALL
WORKLOAD, EQUIPMENT, FACILITIES AND
PERSONAL PROPERTY WITH A 3 YEAR PERIOD
FOR TRANSFER AND CLEAN-UP. 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 2 MILITARY, 18 CIVILIANS AND 382 CONTRACTORS ARE ON BOARD AT THE LONE STAR 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.



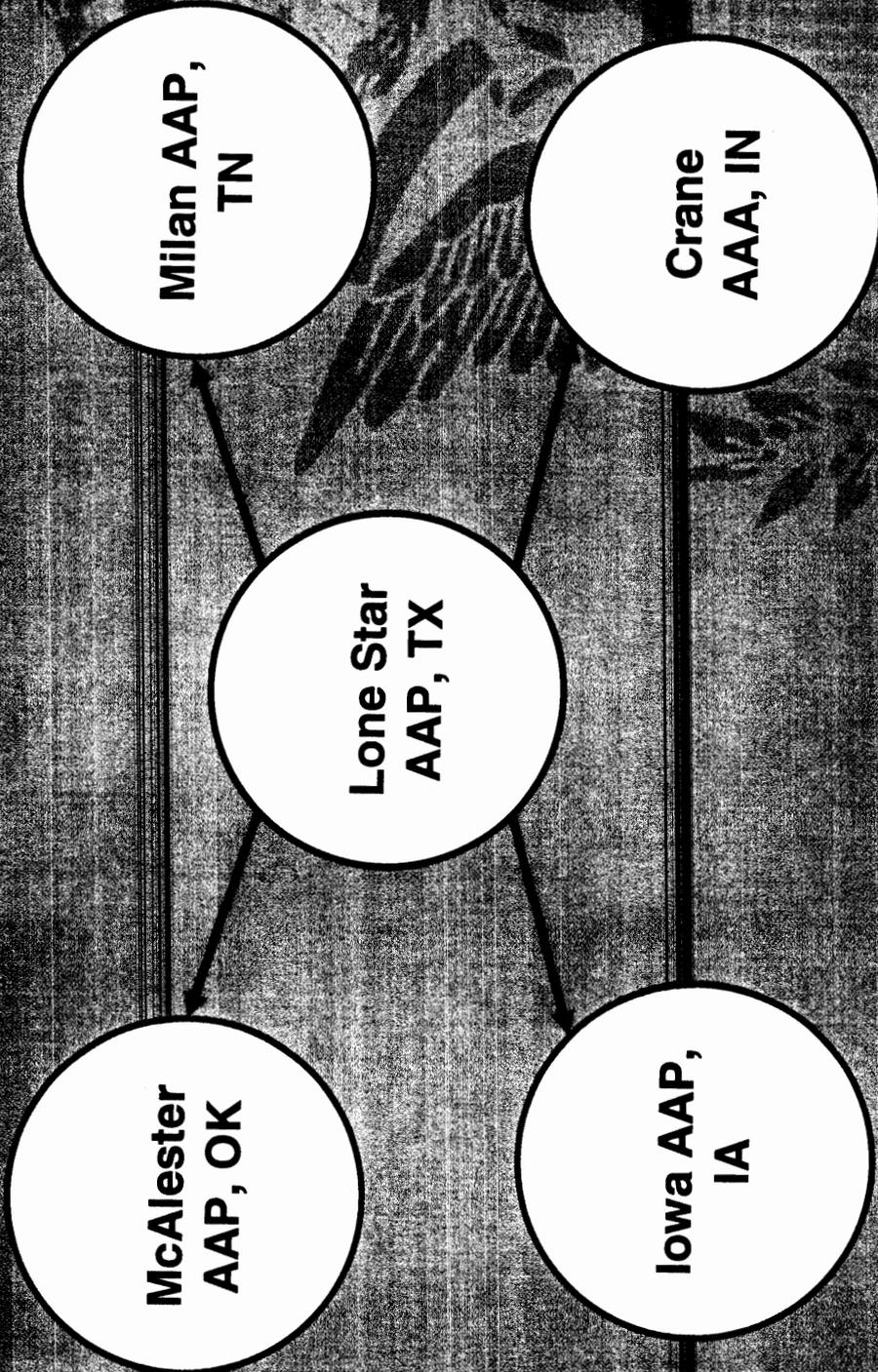
Sec 1621 Lone Star Army Ammunition Plant - TX
2003 Recommendation

Close to Lone Star Army Ammunition Plant (ASAP), TX
Camp Mackall, TX, W.P. Akers
Army Ammunition Activity (AAA), IN





Sec. 162: Lone Star Army Ammunition Plant - TX Associated Installations





Sec 162: Lone Star Army Ammunition Plant - TX DoD Justification

- Reduce inventory, remove excess
- Consolidate responsibility for Artillery, Mortars, Missiles, Pyrotechnics, and Munitions
- Multi-functional sites performing Demilitarization, Production, Maintenance, and Storage.
 - Lone Star primarily performs only one of the functions.
- Create centers of excellence, avoid single points of failure and generate efficiencies.

COBRA:

Reduce in one time costs

- 1-year Payback
- (\$164.2) M 20-year Net Present Value Savings
- Eliminates 2 Military and 18 Civilian positions



Sec 162: Lone Star Army Ammunition Plant - TX Issues

05

- The End Elva...
transfer of work tools, equipment, facilities and personal property to the local reuse authority and early transfer and clean-up within 3 years)
- Operating contractor, Day & Zimmermann requested permission in place (transfer property, facilities and equipment to local reuse authority for leaseback agreement)
- Operating contractor noted potential issues with proprietary
- Personnel numbers have increased since the 2003 data call
- Recommendation needs to be clarified to change McAlester AAP, IL to McAlester AAP, OK



Staff Assessment

Deviation from Final Selection Criteria

Military Value Other

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

X=Deviation

from the Selection Criteria





Supporting Slides

For Commission Discussion & Submissions
During Final Deliberations





Sec. 162: Lone Star Army Ammunition Plant - TX

1. Community Concerns (C5)

- The Red River Development Authority proposes closure of the plant for

DoD Position

- Reduce infrastructure
- Privatization transfers ownership to private sector, does not reduce (rationalize) the industrial base

Community Position

- Concur with issues
- Utilizes Government Owned, Contractor Operated (Lead Assemble and Pack) plant. 5% utilization (2003 data)
- Closure rational, underused facility and reduction of huge munitions production overcapacity from industrial base.



Sec. 162: Lone Star Army Ammunition Plant - TX

2. Contractor Concerns (C5)

ISSU

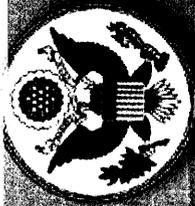
- Contractor Day & Zimmermann requested private ownership of the plant facility to allow for better maintenance and cost efficiency for baseback agreement)

DoD Position:

- Reduce Infrastructure
- Privatization transfers ownership to private sector, does not reduce (rationalize) the industrial base

Community Position:

- None
- Underutilized Government Owned, Contractor Operated (Lead, Assemble and Pack) plant 5% utilization (2003 data)
- Closure rationale, underused facility and reduction of huge munitions production overcapacity from industrial base



Sec. 162: Lone Star Army Ammunition Plant - TX

3. Proprietary Processes (C5)

Issue:

- The operating contractor noted potential issues with proprietary

DoD Position:

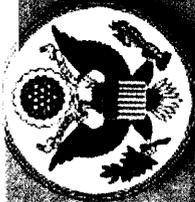
- The Government owns the Technical Data Package to which specifications a contractor will produce

Community Position:

- None

Commission Staff Findings:

- Contractor owns processes and procedures
- Contractor purchase the processes or procedures
- The Joint Munitions Command ensures adequacy of components stockpile to avoid disruption to the warfighter while lines are set up at gaining installations



Soc. 162: Lone Star Army Ammunition Plant -TX

4. Personnel Numbers (C5)

Issues

- Personnel numbers have increased since the 2002 baseline

- Certified data was used

Community Position

- Personnel numbers are greater

Commission Staff Findings:

- Certified data was used, but personnel numbers are greater
- Current staffing as of OSD Clearing House 3/1/03

Community Officers

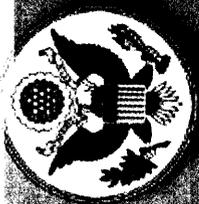
- 18 Civilians
- 382 Contractors
- Contract personnel are not relocated under BRAC



Sec. 162: Long Star Army Ammunition Plant - TX
5. Cost & Savings (C5)

COBRA DATA

	DoD
One Time Cost	COBRA Run
Net Implementation Cost	\$29.0 M
Annual Recurring (Savings)	\$4.7 M
Payback Period	(-\$17.3 M)
Net Present Value at 2025 (Savings)	1 year
	(\$164.2 M)



DoD Recommendation

Sec. 162: Lone Star Army Ammunition Plant, TX

Close Lone Star Army Ammunition Plant (AARP), TX

Gain McAlester AWP, OK; Midway AWP, TX
Army Ammunition Activity (AAA), IN



Analysis: Lone Star Army Ammunition Plant, TX (Industrial #16, Closure)

- 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
- The community argues:
 - That Lone Star was only given credit for one of the functional areas used to make up a center of excellence and counters that the plant is a multifunctional site that performs the full scope of functions - demilitarization, production, maintenance and, storage.
 - Errors in the data including,
 - understatement of the personnel by 242 people,
 - reporting of current and maximum capacity as equal,
 - that one time relocation costs of \$14 million were not included in the savings calculations,
 - some production lines were not accounted for in the data call and,
 - that no credit was given for the complexity of producing ammunition.
- The Red River Redevelopment Authority proposes:
 - Closure and transfer of workload, equipment, facilities and personal property to the local reuse authority
 - Early transfer and clean-up (within 3 years)
 - Lease \$1 per year to the local reuse authority
 - Sublease facilities and personal property to operating contractor to perform their current workload
 - At end of clean-up and transition, Government transfer all equipment, facilities and, property to local reuse authority at no cost
 - For transition period DA civilian and military remain in place to transition both workload and property and perform any transition activities necessary
- 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 \$25.1 M (from \$28.9 M) and an increase in the 20 year net

Analysis: Lone Star Army Ammunition Plant, TX (Industrial #16, Closure)

present value savings of \$23.7 M (added to \$164.2 M) over the recommended option

- Operating contractor has contracts through 200X and with extensions some will go through FY 20XX
- 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:
 - DERA Cost to Complete – 2.66 M
 - MMRP Cost to Complete – 0
 - Total – 2.66 M
 - DERA has spent \$21.3M through Fy03; 3 operational ranges, \$1.002M - \$24.17M NPL, fact sheets, FY2012

Recommendation #162, Lone Star Army Ammunition Plant (Ind-16)

The community noted that the DoD recommendation gave the Lone Star Army Ammunition Plant (LSAAP) credit for only one of the functional areas making up a center of excellence and countered that the plant is a multifunctional site performing the full scope of functions -- demilitarization, production, maintenance and, storage. DoD understated the number of personnel by 242, misreported current and maximum capacity as equal, and improperly excluded one-time relocation costs of \$14 million from savings calculations. In addition, the community noted that some production lines were not accounted for in the data call, and that no credit was given for the complexity of producing ammunition. LSAAP also performs open burn and open detonation demilitarization and has 1.23M square feet of storage. The community asserted that directing LSAAP work to other Army ammunition activities would be contrary to DoD's strategy to increase competitive contracting. They suggested that, if LSAAP is closed, its work could migrate to non-U.S. producers. The operating contractor noted potential issues with proprietary processes and recommended privatization in place for the LSAAP.

The Texarkana community proposed a public-private partnership as an alternative reuse of the installation and proposed the transfer of workload, equipment and, facilities to the private sector or local jurisdiction as appropriate since the private sector can accommodate the workload onsite.

Army owned Ammunition Production Facilities

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

* Navy Installation