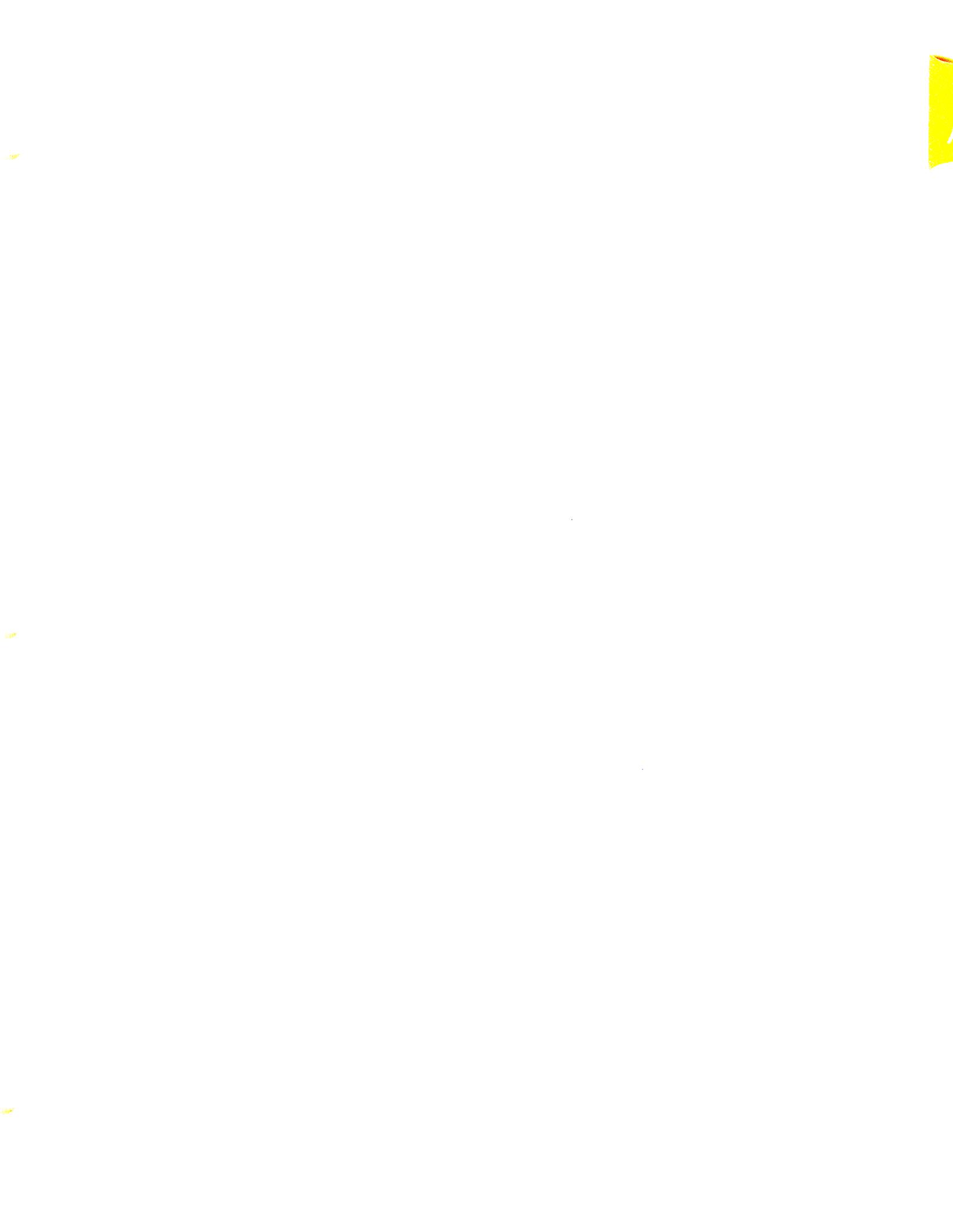


**NEWPORT CHEMICAL DEPOT, IN  
COMMISSION BASE VISIT  
JUNE 6, 2005**

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ITINERARY FOR 6-June 2005

**Newport Chemical Depot, IN**

TIME	EVENT	LOCATION	POC	ACTION
6-June/ Approx. 1330 - 1345	Commissioner Skinner arrives Clinton, IN Airport via Army helicopter, enroute to Newport Chemical Depot (NECD)	Airport, Clinton, IN	George Delgado, Ryan Dean, and depot representatives	Meet
Approx. 1400 - 1500	Commissioner Mission Brief and Recommendation discussion	NECD	Depot CDR LTC Scott Kimmel	Brief Commissioner
Approx. 1500 - 1630	Facilities Tour	NECD	LTC Scott Kimmel Terry L. Arthur, PAO	Windshield/walking tour
Approx. 1630 - 1645	Commissioner Skinner departs Depot to Airport Clinton, IN for Army helicopter to Midway Airport		George Delgado Ryan Dean	Departure



# DEFENSE BASE CLOSURE AND REALIGNMENT COMMISSION

## BASE SUMMARY SHEET

### Newport Chemical Depot, IN

#### INSTALLATION MISSION

- The Newport Chemical Depot is one of eight Army installations in the U.S. with a chemical agent stockpile. Newport's current stockpile of 1,270 tons of VX, which is stored in 200-gallon carbon steel cylinders, represents about half of its initial capacity. There are no chemical munitions at the depot.
- The depot houses a chemical agent disposal facility designed solely for the purpose of destroying Newport's inventory of VX nerve agent, which the Army manufactured on site at Newport from 1961 to 1968. The disposal facility utilizes a chemical neutralization process employed at three other Army chemical agent disposal facilities to break down its VX stockpile.
- The demolition of the chemical weapons production facility located on Newport Chemical Depot is part of a coordinated campaign by the United States to eliminate its chemical weapons production capabilities. In response to the terrorist attacks of September 11, 2001, the Army made a decision to accelerate the neutralization schedule for the VX stored at the depot. The Army is working in partnership with Indiana state and local government agencies, as well as federal agencies like the Environmental Protection Agency and the Centers for Disease Control and Prevention, to implement this accelerated disposal plan in a way that is safe to local residents and the surrounding environment.

#### DOD RECOMMENDATION

- Close Newport Chemical Depot, IN.

#### DOD JUSTIFICATION

- There is no additional chemical demilitarization workload slated to go to Newport Chemical Depot. The projected date for completion of existing workload is 2nd quarter of 2008. There is no further use for Newport Chemical Depot.

#### COST CONSIDERATIONS DEVELOPED BY DOD

- |   |                 |
|---|-----------------|
| • One-Time Costs:                           | <u>\$7.1M</u>   |
| • Net Savings (Cost) during Implementation: | <u>\$95.6M</u>  |
| • Annual Recurring Savings:                 | <u>\$35.7M</u>  |
| • Return on Investment Year:                | Immediate       |
| • Net Present Value over 20 Years:          | <u>\$436.2M</u> |

**MANPOWER IMPLICATIONS OF THIS RECOMMENDATION (EXCLUDES CONTRACTORS)**

	<u>Military</u>	<u>Civilian</u>	<u>Students</u>
<b>Baseline</b>			
Reductions	(210)	(81)	--
Realignments	--	--	--
<b>Total</b>	<b>(210)</b>	<b>(81)</b>	<b>--</b>

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

	<b>Out</b>		<b>In</b>		<b>Net Gain (Loss)</b>	
	<u>Military</u>	<u>Civilian</u>	<u>Military</u>	<u>Civilian</u>	<u>Military</u>	<u>Civilian</u>
This Recommendation	(210)	(361)	--	--	(210)	(361)
Other Recommendation(s)	--	--	--	--	--	--
<b>Total</b>	<b>(210)</b>	<b>(361)</b>	<b>--</b>	<b>--</b>	<b>(210)</b>	<b>(361)</b>

**ENVIRONMENTAL CONSIDERATIONS**

- Continued management and/or deed restrictions will be necessary to ensure future protection of federally protected species. Restoration, monitoring, access control, and deed restrictions may be required for former waste management areas to prevent disturbance, health and safety risks, and/or long term release of toxins to environmental media. Restoration and monitoring of contaminated sites will likely be required after closure to prevent significant long-term impacts to the environment.
- This recommendation has no impact on air quality; cultural, archeological, or tribal resources; dredging; marine mammals, resources, or sanctuaries; noise; waste management; water resources; or wetlands.
- This recommendation will require spending approximately \$1.3M for environmental compliance activities. This cost was included in the payback calculation.
- Newport Chemical Depot reports approximately \$1.2M in environmental restoration costs. Because the Department of Defense has a legal obligation to perform environmental restoration regardless of whether an installation is closed, realigned, or remains open, this cost was not included in the payback calculation.
- This recommendation does not otherwise impact the costs of environmental restoration, waste management, and environmental compliance activities. The aggregate environmental impact of all recommended BRAC actions affecting the bases in this recommendation has been reviewed.

- There are no known environmental impediments to implementation of this recommendation.

## **REPRESENTATION**

Governor: Mitch Daniels (R)  
Senators: Richard Lugar (R)  
Evan Bayh (D)  
  
Representative: John N. Hostettler (R)

## **ECONOMIC IMPACT**

- Potential Employment Loss: 838 jobs (571 direct and 267 indirect)
- MSA Job Base: 89,765 jobs
- Percentage: 0.93 percent decrease
- Cumulative Economic Impact (Year-Year): N/A

## **MILITARY ISSUES**

- Reduces the capacity to demilitarize and destroy chemical weapons.

## **COMMUNITY CONCERNS/ISSUES**

- Distrust of the Army's environmental record
- Environmental cleanliness
- Post-closure usage of the property

## ITEMS OF SPECIAL EMPHASIS

- In the justification portion of its recommendation, DoD states that Newport will complete its existing workload sometime during the second quarter of 2008. Does this schedule realistically account for the fact that VX-stabilizing agents significantly lengthen the neutralization process?
- The state of New Jersey currently opposes the Army's plan to transfer wastewater from Newport to Dupont's environmental treatment facility located in Deepwater, NJ. If New Jersey refuses to authorize this transfer, will Newport be able to expand its on-site treatment and storage capacity to store neutralized waste? If yes, how much would such an expansion cost? If not, is the Army developing alternative disposal plans?
- Can you provide information on the \$1.3 million for environmental compliance activities and the \$1.2 million in environmental restoration costs noted in the environmental impact section of the DoD recommendation?
- Is the data contained in the DoD recommendation report accurately portray the nature of your activities? If not, can you provide the Commission with accurate data?
- What is, or what should be, the Army's biggest concern regarding this closure?
- Is there any additional information that you would like to communicate to the Commissioners in order to inform their deliberations regarding this recommendation?

**Analysts' Names/Team/Date**  
George Delgado & Ryan Dean/JCSG/June 6, 2005



## Newport Chemical Depot, Indiana

**Recommendation:** Close Newport Chemical Depot, IN.

**Justification:** There is no additional chemical demilitarization workload slated to go to the Newport Chemical Depot. The projected date for completion of existing workload is second quarter of 2008. There is no further use for Newport Chemical Depot.

**Payback:** The total one time cost to the Department of Defense to implement this recommendation is \$7.07M. The net of all costs and savings to the Department during the implementation period is a savings of \$95.62M. Annual recurring savings to the Department after implementation is \$35.74M with a payback expected immediately. The net present value of the costs and savings to the Department over 20 years is a savings of \$436.17M.

**Economic Impact on Communities:** Assuming no economic recovery, this recommendation could result in a maximum potential reduction of 838 jobs (571 direct jobs and 267 indirect jobs) over the 2006 – 2011 period in the Terre Haute, IN Metropolitan Statistical Area, which is 0.93 percent of economic area employment. The aggregate economic impact of all recommended actions on this economic region of influence was considered and is at Appendix B of Volume I.

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

**Environmental Impacts:** Continued management and/or deed restrictions will be necessary to ensure future protection of the federally listed species. Restoration, monitoring, access control, and deed restrictions may be required for former waste management areas to prevent disturbance, health and safety risks, and/or long term release of toxins to environmental media. Restoration and monitoring of contaminated sites will likely be required after closure to prevent significant long-term impacts to the environment. This recommendation has no impact on air quality; cultural, archeological, or tribal resources; dredging; marine mammals, resources, or sanctuaries; noise; waste management; water resources; or wetlands. This recommendation will require spending approximately \$1.3M for environmental compliance activities. This cost was included in the payback calculation. Newport reports approximately \$1.224M 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 55 been reviewed. There are no known environmental impediments to implementation of this recommendation.



# *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

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

<i>Site</i>	<i>Function</i>	<i>Category</i>	<i>Current Capacity*</i>	<i>Current Usage*</i>	<i>Maximum Capacity*</i>	<i>Capacity in Excess of Current Usage*</i>
<b>USN</b>	<b>NAVSURFWARCENDIV_INDIAN_HEAD_MD</b>					
	<b>Munitions Production</b>					
		Artillery	600.0	0.0	600.0	600.0 -- 600.0
		Bombs	30.0	0.0	30.0	30.0 -- 30.0
		CAD/PADs	4,300.0	1,549.0	6,300.0	2,751.0 -- 4,751.0
		Energetics	455,660.0	22,618.0	896,700.0	433,042.0 -- 874,082.0
		Mines	22.0	0.0	22.0	22.0 -- 22.0
		Missiles	3,567.0	1,680.0	4,367.0	1,887.0 -- 2,687.0
		Pyro/Demo	38,475.0	8,881.0	40,275.0	29,594.0 -- 31,394.0
		Rockets	12,000.0	185.0	17,280.0	11,815.0 -- 17,095.0
		Torpedos	33.0	0.0	33.0	33.0 -- 33.0
		<b>Site Total</b>	<b>514,687.0</b>	<b>34,913.0</b>	<b>965,607.0</b>	<b>479,774.0 -- 930,694.0</b>
		<b>Percent of Capacity Not Utilized</b>				<b>93.2% -- 96.4%</b>
<b>USA</b>	<b>NEWPORT CHEM DEPOT</b>					
	<b>MUNITIONS STORAGE</b>					
		Explosive Earth Covered	11.6	11.6	11.6	0.0 -- 0.0
		<b>Site Total</b>	<b>11.6</b>	<b>11.6</b>	<b>11.6</b>	<b>0.0 -- 0.0</b>
		<b>Percent of Capacity Not Utilized</b>				<b>0.0% -- 0.0%</b>

\* Capacity is measured in dlh(k) for Armaments Production/Manufacturing and Munitions Maintenance functions; short tons for Munitions Demilitarization; ksf for Munitions Storage; and lbs or each(s) as applicable for Munitions Production

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

<i>Function</i>	<i>Category</i>	<i>Site</i>	<i>Current Capacity*</i>	<i>Current Usage*</i>	<i>Maximum Capacity*</i>	<i>Capacity in Excess of Current Usage*</i>
<b>MUNITIONS STORAGE</b>						
<b>EXPLOSIVE EARTH COVERED</b>						
	USA	ANNISTON ARMY DEPOT	544.6	405.2	544.6	139.4 ... 139.4
	USA	BLUE GRASS ARMY DEPOT	293.1	235.1	293.1	58.0 ... 58.0
	USA	CRANE ARMY AMMUNITION ACTIVITY	412.8	302.2	412.8	110.6 ... 110.6
	USA	DESERET CHEMICAL DEPOT	455.0	317.0	455.0	138.0 ... 138.0
	USA	HAWTHORNE ARMY DEPOT	776.0	458.0	776.0	318.0 ... 318.0
	USA	IOWA AAP	301.0	148.3	301.0	152.7 ... 152.7
	USA	KANSAS ARMY AMMUNITION PLANT	3.6	3.0	3.6	0.6 ... 0.6
	USA	LAKE CITY AAP	30.2	30.2	30.2	0.0 ... 0.0
	USA	LETTERKENNY ARMY DEPOT	191.2	160.8	191.2	30.4 ... 30.4
	USA	LONE STAR AAP	127.3	101.9	127.3	25.4 ... 25.4
	USA	LOUISIANA AAP	350.0	270.4	350.0	79.6 ... 79.6
	USA	MCALESTER AAP	532.8	168.8	532.8	364.0 ... 364.0
	USA	MILAN AAP	53.3	11.7	53.3	41.6 ... 41.6
	USA	MISSISSIPPI AAP	105.4	0.0	105.4	105.4 ... 105.4
	USA	NEWPORT CHEM DEPOT	11.6	11.6	11.6	0.0 ... 0.0
	USA	PINE BLUFF ARSENAL	58.4	9.6	58.4	48.8 ... 48.8
	USA	PUEBLO CHEM DEPOT	1,475.2	161.6	1,475.2	1,313.6 ... 1,313.6
	USA	RED RIVER ARMY DEPOT	169.1	94.6	169.1	74.5 ... 74.5
	USA	SIERRA ARMY DEPOT	343.6	9.2	343.6	334.4 ... 334.4
	USA	TOOELE ARMY DEPOT	166.6	147.0	166.6	19.6 ... 19.6
	USA	UMATILLA CHEM DEPOT	174.3	163.8	174.3	10.5 ... 10.5

\* Capacity is measured in dlh(k) for Armaments Production/Manufacturing and Munitions Maintenance functions, short tons for Munitions Demilitarization, ksf for Storage, and lbs or each(s) as applicable for Munitions Production.

Report Date: Thursday, April 21, 2005

Database Date: April 18, 2005

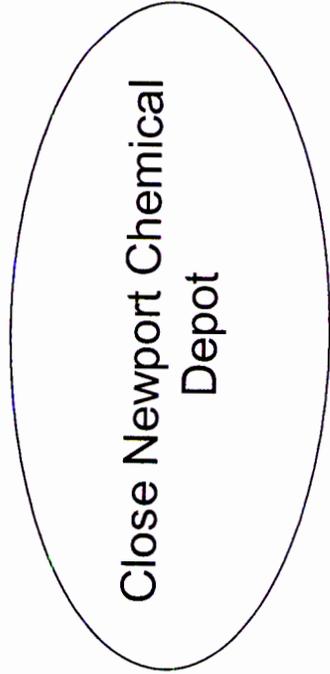
Deliberative Document - For Discussion Purposes Only

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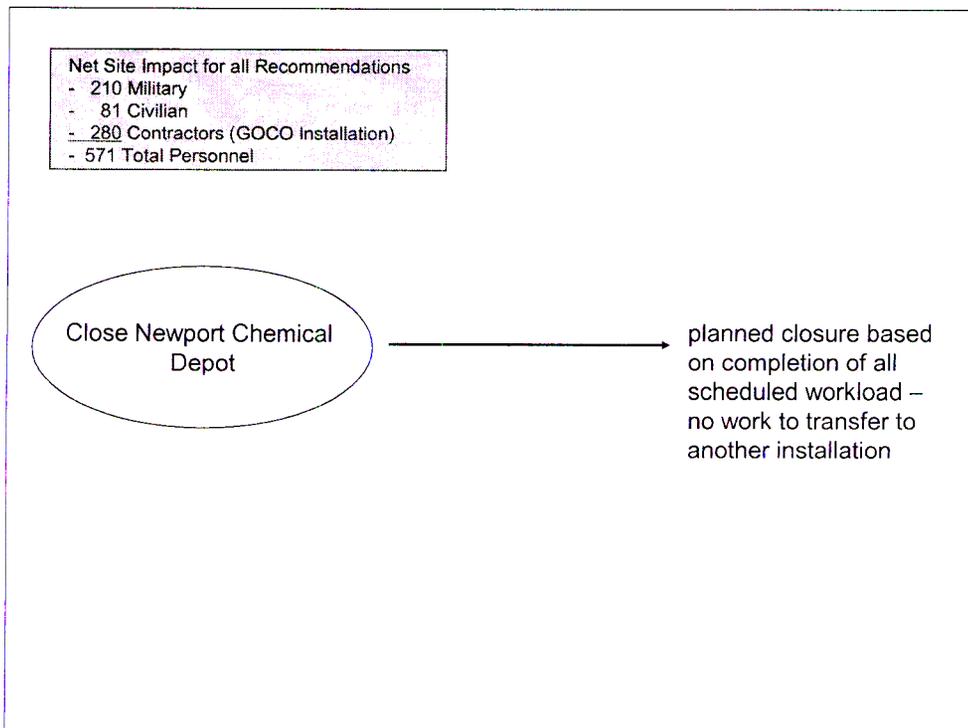
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Net Site Impact for all Recommendations

- 210 Military
- 81 Civilian
- 280 Contractors (GOCO Installation)
- 571 Total Personnel



planned closure based  
on completion of all  
scheduled workload –  
no work to transfer to  
another installation



**Recommendation:** Close Newport Chemical Depot, IN.

**Justification:**

- There is no additional chemical demilitarization workload slated to go to Newport Chemical Depot.
- The projected date for completion of existing workload is 2nd quarter of 2008.
- There is no further use for Newport Chemical Depot.

COBRA REALIGNMENT SUMMARY REPORT (COBRA v6.10) - Page 1/2  
 Data As Of 4/25/2005 8:46:32 AM, Report Created 4/25/2005 8:46:34 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Starting Year : 2006  
 Final Year : 2009  
 Payback Year : Immediate

NPV in 2025(\$K): -436,165  
 1-Time Cost(\$K): 7,067

Net Costs in 2005 Constant Dollars (\$K)

	2006	2007	2008	2009	2010	2011	Total	Beyond
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	-9,164	-23,504	-23,504	-56,172	-23,504
Overhd	-1,899	-2,078	-2,212	-11,409	-11,870	-11,870	-41,338	-12,239
Moving	0	0	0	591	0	0	591	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	1,300	0	0	1,300	0
<b>TOTAL</b>	<b>-1,899</b>	<b>-2,078</b>	<b>-2,212</b>	<b>-18,683</b>	<b>-35,374</b>	<b>-35,374</b>	<b>-95,619</b>	<b>-35,743</b>

	2006	2007	2008	2009	2010	2011	Total
<b>POSITIONS ELIMINATED</b>							
Off	0	0	0	7	0	0	7
Enl	0	0	0	198	0	0	198
Civ	0	0	0	81	0	0	81
TOT	0	0	0	286	0	0	286

<b>POSITIONS REALIGNED</b>							
Off	0	0	0	0	0	0	0
Enl	0	0	0	5	0	0	5
Stu	0	0	0	0	0	0	0
Civ	0	0	0	0	0	0	0
TOT	0	0	0	5	0	0	5

Summary:

-----  
 Per Army, there are 5 U.S. Coast Guardsmen stationed at Newport who must be relocated as a result of post closure; Base X used until destination is determined

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 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	3,096	44	44	3,183	44
Overhd	716	537	403	461	0	0	2,117	0
Moving	0	0	0	599	0	0	599	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	1,300	0	0	1,300	0
<b>TOTAL</b>	<b>716</b>	<b>537</b>	<b>403</b>	<b>5,455</b>	<b>44</b>	<b>44</b>	<b>7,199</b>	<b>44</b>

Savings in 2005 Constant Dollars (\$K)								
	2006	2007	2008	2009	2010	2011	Total	Beyond
	----	----	----	----	----	----	-----	-----
MilCon	0	0	0	0	0	0	0	0
Person	0	0	0	12,260	23,548	23,548	59,356	23,548
Overhd	2,615	2,615	2,615	11,870	11,870	11,870	43,454	12,239
Moving	0	0	0	8	0	0	8	0
Missio	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0
<b>TOTAL</b>	<b>2,615</b>	<b>2,615</b>	<b>2,615</b>	<b>24,138</b>	<b>35,418</b>	<b>35,418</b>	<b>102,818</b>	<b>35,787</b>

COBRA PERSONNEL/SF/SUSTAINMENT/RECAP/BOS DELTAS REPORT (COBRA v6.10)  
 Data As Of 4/25/2005 8:46:32 AM, Report Created 4/25/2005 8:46:34 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base	Personnel			
	Start*	Finish*	Change	%Change
NEWPORT DEPOT	291	0	-291	-100%
BASE X (ARMY)	109	114	5	5%
TOTAL	400	114	-286	-71%

Base	Square Footage				
	Start	Finish	Change	%Change	Chg/Per
NEWPORT DEPOT	881,000	0	-881,000	-100%	3,027
BASE X (ARMY)	60,640	60,640	0	0%	0
TOTAL	941,640	60,640	-881,000	-94%	3,080

Base	Base Operations Support (2005\$)				
	Start*	Finish*	Change	%Change	Chg/Per
NEWPORT DEPOT	7,160,964	0	-7,160,964	-100%	24,608
BASE X (ARMY)	0	0	0	0%	0
TOTAL	7,160,964	0	-7,160,964	-100%	25,038

Base	Sustainment (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
NEWPORT DEPOT	2,463,388	0	-2,463,388	-100%	8,465
BASE X (ARMY)	118,709	118,709	0	0%	0
TOTAL	2,582,097	118,709	-2,463,388	-95%	8,613

Base	Recapitalization (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
NEWPORT DEPOT	2,614,960	0	-2,614,960	-100%	8,986
BASE X (ARMY)	5,725,274	5,725,274	0	0%	0
TOTAL	8,340,234	5,725,274	-2,614,960	-31%	9,143

Base	Sustain + Recap + BOS (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
NEWPORT DEPOT	12,239,312	0	-12,239,312	-100%	42,059
BASE X (ARMY)	5,843,983	5,843,983	0	0%	0
TOTAL	18,083,295	5,843,983	-12,239,312	-68%	42,795

Base	Plant Replacement Value (2005\$)				
	Start	Finish	Change	%Change	Chg/Per
NEWPORT DEPOT	269,340,875	0	-269,340,875	-100%	925,570
BASE X (ARMY)	22,901,098	22,901,098	0	0%	0
TOTAL	292,241,973	22,901,098	-269,340,875	-92%	941,751

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
Option Pkg Name: IND 0119 Close Newport Chemical Depot  
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 1/9  
 Data As Of 4/25/2005 8:46:32 AM, Report Created 4/25/2005 8:46:34 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	----	----	----	----	----	----	-----
CONSTRUCTION							
MILCON	0	0	0	0	0	0	0
O&M							
CIV SALARY							
Civ RIF	0	0	0	1,951	0	0	1,951
Civ Retire	0	0	0	84	0	0	84
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	568	0	0	568
RITA	0	0	0	0	0	0	0
FREIGHT							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	3	0	0	3
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	151	0	0	151
OTHER							
Info Tech	0	0	0	1	0	0	1
Prog Manage	716	537	403	302	0	0	1,958
Supt Contract	0	0	0	0	0	0	0
Mothball	0	0	0	158	0	0	158
1-Time Move	0	0	0	0	0	0	0
MIL PERSONNEL							
MIL MOVING							
Per Diem	0	0	0	4	0	0	4
POV Miles	0	0	0	2	0	0	2
HHG	0	0	0	15	0	0	15
Misc	0	0	0	5	0	0	5
OTHER							
Elim PCS	0	0	0	865	0	0	865
OTHER							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	1,300	0	0	1,300
Misc Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
TOTAL ONE-TIME	716	537	403	5,411	0	0	7,067

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

RECURRINGCOSTS -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
O&M								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
MIL PERSONNEL								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	44	44	44	132	44
OTHER								
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	44	44	44	132	44
TOTAL COST	716	537	403	5,455	44	44	7,199	44
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	8	0	0	8	
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	8	0	0	8	
RECURRINGSAVES -----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
FAM HOUSE OPS	0	0	0	0	0	0	0	0
O&M								
Sustainment	0	0	0	2,094	2,094	2,094	6,282	2,463
Recap	2,615	2,615	2,615	2,615	2,615	2,615	15,690	2,615
BOS	0	0	0	7,161	7,161	7,161	21,483	7,161
Civ Salary	0	0	0	2,693	5,386	5,386	13,465	5,386
MIL PERSONNEL								
Off Salary	0	0	0	437	875	875	2,187	875
Enl Salary	0	0	0	8,157	16,315	16,315	40,787	16,315
House Allow	0	0	0	972	972	972	2,916	972
OTHER								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
TOTAL RECUR	2,615	2,615	2,615	24,130	35,418	35,418	102,810	35,787
TOTAL SAVINGS	2,615	2,615	2,615	24,138	35,418	35,418	102,818	35,787

TOTAL COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 3/9  
 Data As Of 4/25/2005 8:46:32 AM, Report Created 4/25/2005 8:46:34 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	
<b>O&amp;M</b>								
Civ Retir/RIF	0	0	0	2,035	0	0	2,035	
Civ Moving	0	0	0	571	0	0	571	
Info Tech	0	0	0	1	0	0	1	
Other	716	537	403	612	0	0	2,268	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	883	0	0	883	
<b>OTHER</b>								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	1,300	0	0	1,300	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
<b>TOTAL ONE-TIME</b>	<b>716</b>	<b>537</b>	<b>403</b>	<b>5,403</b>	<b>0</b>	<b>0</b>	<b>5,759</b>	
<b>RECURRING NET</b>								
-----(\$K)-----	----	----	----	----	----	----	-----	-----
FAM HOUSE OPS	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
Sustainment	0	0	0	-2,094	-2,094	-2,094	-6,282	-2,463
Recap	-2,615	-2,615	-2,615	-2,615	-2,615	-2,615	-15,690	-2,615
BOS	0	0	0	-7,161	-7,161	-7,161	-21,483	-7,161
Civ Salary	0	0	0	-2,693	-5,386	-5,386	-13,465	-5,386
TRICARE	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	-8,595	-17,190	-17,190	-42,974	-17,190
House Allow	0	0	0	-928	-928	-928	-2,785	-928
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
<b>TOTAL RECUR</b>	<b>-2,615</b>	<b>-2,615</b>	<b>-2,615</b>	<b>-24,086</b>	<b>-35,374</b>	<b>-35,374</b>	<b>-102,679</b>	<b>-35,743</b>
<b>TOTAL NET COST</b>	<b>-1,899</b>	<b>-2,078</b>	<b>-2,212</b>	<b>-18,683</b>	<b>-35,374</b>	<b>-35,374</b>	<b>-95,619</b>	<b>-35,743</b>

COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 4/9  
 Data As Of 4/25/2005 8:46:32 AM, Report Created 4/25/2005 8:46:34 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Optn Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: NEWPORT DEPOT, IN (18611)							
ONE-TIME COSTS	2006	2007	2008	2009	2010	2011	Total
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----
<b>CONSTRUCTION</b>							
MILCON	0	0	0	0	0	0	0
<b>O&amp;M</b>							
<b>CIV SALARY</b>							
Civ RIFs	0	0	0	1,951	0	0	1,951
Civ Retire	0	0	0	84	0	0	84
<b>CIV MOVING</b>							
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	568	0	0	568
RITA	0	0	0	0	0	0	0
<b>FREIGHT</b>							
Packing	0	0	0	0	0	0	0
Freight	0	0	0	3	0	0	3
Vehicles	0	0	0	0	0	0	0
Unemployment	0	0	0	151	0	0	151
<b>OTHER</b>							
Info Tech	0	0	0	1	0	0	1
Prog Manage	716	537	403	302	0	0	1,958
Supt Contrac	0	0	0	0	0	0	0
Mothball	0	0	0	158	0	0	158
1-Time Move	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>							
<b>MIL MOVING</b>							
Per Diem	0	0	0	4	0	0	4
POV Miles	0	0	0	2	0	0	2
HHG	0	0	0	15	0	0	15
Misc	0	0	0	5	0	0	5
<b>OTHER</b>							
Elim PCS	0	0	0	865	0	0	865
<b>OTHER</b>							
HAP / RSE	0	0	0	0	0	0	0
Environmental	0	0	0	1,300	0	0	1,300
Misn Contract	0	0	0	0	0	0	0
1-Time Other	0	0	0	0	0	0	0
<b>TOTAL ONE-TIME</b>	<b>716</b>	<b>537</b>	<b>403</b>	<b>5,411</b>	<b>0</b>	<b>0</b>	<b>7,067</b>

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: NEWPORT DEPOT, IN (18611)								
RECURRINGCOSTS	2006	2007	2008	2009	2010	2011	Total	Beyond
-----(\$K)-----	----	----	----	----	----	----	-----	-----
<b>O&amp;M</b>								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Off Salary	0	0	0	0	0	0	0	0
Enl Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	0	0	0	0	0
<b>OTHER</b>								
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
<b>TOTAL RECUR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>TOTAL COSTS</b>	<b>716</b>	<b>537</b>	<b>403</b>	<b>5,411</b>	<b>0</b>	<b>0</b>	<b>7,067</b>	<b>0</b>
<b>ONE-TIME SAVES</b>								
-----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	
-----	----	----	----	----	----	----	-----	
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	
<b>O&amp;M</b>								
1-Time Move	0	0	0	0	0	0	0	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	8	0	0	8	
<b>OTHER</b>								
Environmental	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
<b>TOTAL ONE-TIME</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>8</b>	
<b>RECURRINGSAVES</b>								
-----(\$K)-----	2006	2007	2008	2009	2010	2011	Total	Beyond
-----	----	----	----	----	----	----	-----	-----
<b>FAM HOUSE OPS</b>								
O&M								
Sustainment	0	0	0	2,094	2,094	2,094	6,282	2,463
Recap	2,615	2,615	2,615	2,615	2,615	2,615	15,690	2,615
BOS	0	0	0	7,161	7,161	7,161	21,483	7,161
Civ Salary	0	0	0	2,693	5,386	5,386	13,465	5,386
<b>MIL PERSONNEL</b>								
Off Salary	0	0	0	437	875	875	2,187	875
Enl Salary	0	0	0	8,157	16,315	16,315	40,787	16,315
House Allow	0	0	0	972	972	972	2,916	972
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
<b>TOTAL RECUR</b>	<b>2,615</b>	<b>2,615</b>	<b>2,615</b>	<b>24,130</b>	<b>35,418</b>	<b>35,418</b>	<b>102,810</b>	<b>35,787</b>
<b>TOTAL SAVINGS</b>	<b>2,615</b>	<b>2,615</b>	<b>2,615</b>	<b>24,138</b>	<b>35,418</b>	<b>35,418</b>	<b>102,818</b>	<b>35,787</b>



COBRA REALIGNMENT DETAIL REPORT (COBRA v6.10) - Page 7/9  
 Data As Of 4/25/2005 8:46:32 AM, Report Created 4/25/2005 8:46:34 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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



Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFP

Base: BASE X (ARMY), US (XARMY)								
ONE-TIME NET	2006	2007	2008	2009	2010	2011	Total	
-----(\$K)-----	----	----	----	----	----	----	-----	
<b>CONSTRUCTION</b>								
MILCON	0	0	0	0	0	0	0	
<b>O&amp;M</b>								
Civ Retir/RIF	0	0	0	0	0	0	0	
Civ Moving	0	0	0	0	0	0	0	
Info Tech	0	0	0	0	0	0	0	
Other	0	0	0	0	0	0	0	
<b>MIL PERSONNEL</b>								
Mil Moving	0	0	0	0	0	0	0	
<b>OTHER</b>								
HAP / RSE	0	0	0	0	0	0	0	
Environmental	0	0	0	0	0	0	0	
Misn Contract	0	0	0	0	0	0	0	
1-Time Other	0	0	0	0	0	0	0	
<b>TOTAL ONE-TIME</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	
<b>RECURRING NET</b>								
-----(\$K)-----	-----	-----	-----	-----	-----	-----	-----	<b>Beyond</b>
FAM HOUSE OPS	0	0	0	0	0	0	0	0
<b>O&amp;M</b>								
Sustainment	0	0	0	0	0	0	0	0
Recap	0	0	0	0	0	0	0	0
BOS	0	0	0	0	0	0	0	0
Civ Salary	0	0	0	0	0	0	0	0
TRICARE	0	0	0	0	0	0	0	0
<b>MIL PERSONNEL</b>								
Mil Salary	0	0	0	0	0	0	0	0
House Allow	0	0	0	44	44	44	132	44
<b>OTHER</b>								
Procurement	0	0	0	0	0	0	0	0
Mission Activ	0	0	0	0	0	0	0	0
Misc Recur	0	0	0	0	0	0	0	0
<b>TOTAL RECUR</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44</b>	<b>44</b>	<b>44</b>	<b>132</b>	<b>44</b>
<b>TOTAL NET COST</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>44</b>	<b>44</b>	<b>44</b>	<b>132</b>	<b>44</b>

COBRA ECONOMIC IMPACT REPORT (COBRA v6.10)

Data As Of 4/25/2005 8:46:32 AM, Report Created 4/25/2005 8:46:34 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

NEWPORT DEPOT, IN (18611)	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	0	0	0	0
Jobs Lost-Mil	0	0	0	210	0	0	210
NET CHANGE-Mil	0	0	0	-210	0	0	-210
Jobs Gained-Civ	0	0	0	0	0	0	0
Jobs Lost-Civ	0	0	0	81	0	0	81
NET CHANGE-Civ	0	0	0	-81	0	0	-81
Jobs Gained-Stu	0	0	0	0	0	0	0
Jobs Lost-Stu	0	0	0	0	0	0	0
NET CHANGE-Stu	0	0	0	0	0	0	0

BASE X (ARMY), US (XARMY)	2006	2007	2008	2009	2010	2011	Total
Jobs Gained-Mil	0	0	0	5	0	0	5
Jobs Lost-Mil	0	0	0	0	0	0	0
NET CHANGE-Mil	0	0	0	5	0	0	5
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 4/25/2005 8:46:32 AM, Report Created 4/25/2005 8:46:34 AM

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
Option Pkg Name: IND 0119 Close Newport Chemical Depot  
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 4/25/2005 8:46:32 AM, Report Created 4/25/2005 8:46:34 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 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:
-----	-----
NEWPORT DEPOT, IN (18611)	Closes in FY 2009
BASE X (ARMY), US (XARMY)	Realignment

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

Point A:	Point B:	Distance:
-----	-----	-----
NEWPORT DEPOT, IN (18611)	BASE X (ARMY), US (XARMY)	1,750 mi

INPUT SCREEN THREE - MOVEMENT TABLE

Transfers from NEWPORT DEPOT, IN (18611) to BASE X (ARMY), US (XARMY)

	2006	2007	2008	2009	2010	2011
	----	----	----	----	----	----
Officer Positions:	0	0	0	0	0	0
Enlisted Positions:	0	0	0	5	0	0
Civilian Positions:	0	0	0	0	0	0
Student Positions:	0	0	0	0	0	0
NonVeh Missn Eqpt (tons):	0	0	0	0	0	0
Suppt Eqpt (tons):	0	0	0	0	0	0
Military Light Vehicles:	0	0	0	0	0	0
Heavy/Special Vehicles:	0	0	0	0	0	0

INPUT SCREEN FOUR - STATIC BASE INFORMATION

Name: NEWPORT DEPOT, IN (18611)

Total Officer Employees:	7	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	203	Total Sustainment(\$K/Year):	2,463
Total Student Employees:	0	Sustain Payroll (\$K/Year):	0
Total Civilian Employees:	81	BOS Non-Payroll (\$K/Year):	7,161
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):	269,341
Starting Facilities(KSF):	881	Svc/Agcy Recap Rate (Years):	103
Officer BAH (\$/Month):	903	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	683		
Civ Locality Pay Factor:	1.109	TRICARE	In-Pat Out-Pat
Area Cost Factor:	0.98		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:	39.866667	Retiree	0 0 0
Longitude:	-87.400000	Retiree65+	0 0 0

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FOUR - STATIC BASE INFORMATION

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

Total Officer Employees:	1	Base Service (for BOS/Sust):	Army
Total Enlisted Employees:	7	Total Sustainment (\$K/Year):	262
Total Student Employees:	0	Sustain Payroll (\$K/Year):	143
Total Civilian Employees:	101	BOS Non-Payroll (\$K/Year):	0
Accomp Mil not Receiving BAH:	0.0%	BOS Payroll (\$K/Year):	0
Officer Housing Units Avail:	0	Family Housing (\$K/Year):	92
Enlisted Housing Units Avail:	0	Installation PRV(\$K):	22,901
Starting Facilities (KSF):	61	Svc/Agcy Recap Rate (Years):	4
Officer BAH (\$/Month):	1,676	Homeowner Assistance Program:	No
Enlisted BAH (\$/Month):	1,219		
Civ Locality Pay Factor:	1.140	TRICARE	In-Pat Out-Pat
Area Cost Factor:	1.08		Admits Visits Prescrip
Per Diem Rate (\$/Day):	174	CostFactor	0.00 0.00 0.00
Freight Cost (\$/Ton/Mile):	0.33	Actv MTF	0 0 0
Vehicle Cost (\$/Lift/Mile):	4.84	Actv Purch	0 0 0
Latitude:	0.000000	Retiree	0 0 0
Longitude:	0.000000	Retiree65+	0 0 0

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

Name: NEWPORT DEPOT, IN (18611)

	2006	2007	2008	2009	2010	2011
	----	----	----	----	----	----
1-Time Unique Cost (\$K):	0	0	0	0	0	0
1-Time Unique Save (\$K):	0	0	0	0	0	0
1-Time Moving Cost (\$K):	0	0	0	0	0	0
1-Time Moving Save (\$K):	0	0	0	0	0	0
Env Non-MilCon Reqd(\$K):	0	0	0	1,300	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):		881	FH ShDn:	0.000%

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

INPUT SCREEN FIVE - DYNAMIC BASE INFORMATION

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

INPUT SCREEN SIX - BASE PERSONNEL INFORMATION

Name: NEWPORT DEPOT, IN (18611)	2006	2007	2008	2009	2010	2011
Off Scenario Change:	0	0	0	-7	0	0
Enl Scenario Change:	0	0	0	-198	0	0
Civ Scenario Change:	0	0	0	-81	0	0
Off Prog nonBRAC Change:	0	0	0	0	0	0
Enl Prog nonBRAC Change:	0	0	0	0	0	0
Civ Prog nonBRAC Change:	0	0	0	0	0	0
Stu Prog nonBRAC Change:	0	0	0	0	0	0
Prog FH Privatization:	0%	0%	0%	0%	0%	0%

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%		

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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 Accom (Lb):	15,290.00	POV Reimburse(\$/Mile):	0.20
HHG Per Enl Accom (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 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
Option Pkg Name: IND 0119 Close Newport Chemical Depot  
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

FOOTNOTES FOR SCREEN ONE

=====

Per Army, there are 5 U.S. Coast Guardsmen stationed at Newport who must be relocated as a result of post closure; Base X used until destination is determined

FOOTNOTES FOR SCREEN TWO

=====

1,271 miles: the distance from Newport to Base X is a default calculation of the COBRA program

FOOTNOTES FOR SCREEN THREE

=====

Per Army, there are 5 U.S. Coast Guardsmen stationed at Newport who must be relocated as a result of post closure - these are the 5 enlisted positions noted to move in FY 09

FOOTNOTES FOR SCREEN FIVE

=====

FY 09 \$1,300K: From page 4 of criteria 8, Summary of Scenario Environmental Impacts, "COBRA costs"; for environmental baseline survey (EBS) and disposal environmental impact statement (EIS); FY 09 was selected because that is year in which the chem demil mission is scheduled to end

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

FOOTNOTES FOR SCREEN SIX

=====

OFF/ENL/CIV Scenario Change numbers are derived from Screen Four - Total Officer Employees, Total Enlisted Employees, and Total Civilian Employees minus the 5 enlisted employees moved under Screen Three

TOTAL COBRA MILITARY CONSTRUCTION ASSETS REPORT (COBRA v6.10)  
Data As Of 4/25/2005 8:46:32 AM, Report Created 4/25/2005 8:46:34 AM

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
Option Pkg Name: IND 0119 Close Newport Chemical Depot  
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
NEWPORT DEPOT	0	0	0
BASE X (ARMY)	0	0	0
Totals:	0	0	0

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

COBRA NET PRESENT VALUES REPORT (COBRA v6.10)

Data As Of 4/25/2005 8:46:32 AM, Report Created 4/25/2005 8:46:34 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Year	Cost (\$)	Adjusted Cost (\$)	NPV (\$)
----	-----	-----	-----
2006	-1,898,863	-1,872,825	-1,872,825
2007	-2,077,888	-1,993,574	-3,866,399
2008	-2,212,156	-2,064,586	-5,930,985
2009	-18,682,763	-16,961,537	-22,892,522
2010	-35,373,931	-31,240,236	-54,132,758
2011	-35,373,931	-30,389,335	-84,522,093
2012	-35,743,439	-29,870,404	-114,392,497
2013	-35,743,439	-29,056,813	-143,449,309
2014	-35,743,439	-28,265,382	-171,714,692
2015	-35,743,439	-27,495,508	-199,210,200
2016	-35,743,439	-26,746,603	-225,956,803
2017	-35,743,439	-26,018,096	-251,974,899
2018	-35,743,439	-25,309,432	-277,284,332
2019	-35,743,439	-24,620,070	-301,904,402
2020	-35,743,439	-23,949,485	-325,853,887
2021	-35,743,439	-23,297,164	-349,151,051
2022	-35,743,439	-22,662,611	-371,813,662
2023	-35,743,439	-22,045,341	-393,859,003
2024	-35,743,439	-21,444,885	-415,303,888
2025	-35,743,439	-20,860,783	-436,164,671

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 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	1,951,540	
Civilian Early Retirement	83,923	
Eliminated Military PCS	865,050	
Unemployment	151,334	
Total - Personnel		3,051,847
Overhead		
Program Management Cost	1,958,076	
Support Contract Termination	0	
Mothball / Shutdown	158,580	
Total - Overhead		2,116,656
Moving		
Civilian Moving	0	
Civilian PPP	567,936	
Military Moving	26,539	
Freight	3,205	
Information Technologies	1,000	
One-Time Moving Costs	0	
Total - Moving		598,680
Other		
HAP / RSE	0	
Environmental Mitigation Costs	1,300,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		1,300,000
-----		-----
Total One-Time Costs		7,067,184
-----		-----
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	7,992	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
-----		-----
Total One-Time Savings		7,992
-----		-----
Total Net One-Time Costs		7,059,192

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: NEWPORT DEPOT, IN (18611)  
 (All values in 2005 Constant Dollars)

Category	Cost	Sub-Total
-----	----	-----
Construction		
Military Construction	0	
Total - Construction		0
Personnel		
Civilian RIF	1,951,540	
Civilian Early Retirement	83,923	
Eliminated Military PCS	865,050	
Unemployment	151,334	
Total - Personnel		3,051,847
Overhead		
Program Management Cost	1,958,076	
Support Contract Termination	0	
Mothball / Shutdown	158,580	
Total - Overhead		2,116,656
Moving		
Civilian Moving	0	
Civilian PPP	567,936	
Military Moving	26,539	
Freight	3,205	
Information Technologies	1,000	
One-Time Moving Costs	0	
Total - Moving		598,680
Other		
HAP / RSE	0	
Environmental Mitigation Costs	1,300,000	
Mission Contract Startup and Termination	0	
One-Time Unique Costs	0	
Total - Other		1,300,000
-----		-----
Total One-Time Costs		7,067,184
-----		-----
One-Time Savings		
Military Construction Cost Avoidances	0	
Military Moving	7,992	
One-Time Moving Savings	0	
Environmental Mitigation Savings	0	
One-Time Unique Savings	0	
-----		-----
Total One-Time Savings		7,992
-----		-----
Total Net One-Time Costs		7,059,192

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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

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



Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 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	81	0	0	81
Early Retirement	8.10%	0	0	0	7	0	0	7
Regular Retirement	1.67%	0	0	0	1	0	0	1
Civilian Turnover	9.16%	0	0	0	7	0	0	7
Civs Not Moving (RIFs)*	6.00%	0	0	0	5	0	0	5
Priority Placement#	39.97%	0	0	0	32	0	0	32
Civilians Available to Move		0	0	0	29	0	0	29
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	29	0	0	29
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	7	0	0	7
TOTAL CIVILIAN RIFs		0	0	0	34	0	0	34
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	32	0	0	32
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 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

Base: NEWPORT DEPOT, IN (18611)	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	81	0	0	81
Early Retirement	8.10%	0	0	0	7	0	0	7
Regular Retirement	1.67%	0	0	0	1	0	0	1
Civilian Turnover	9.16%	0	0	0	7	0	0	7
Civs Not Moving (RIFs)*	6.00%	0	0	0	5	0	0	5
Priority Placement#	39.97%	0	0	0	32	0	0	32
Civilians Available to Move		0	0	0	29	0	0	29
Civilians Moving		0	0	0	0	0	0	0
Civilian RIFs (the remainder)		0	0	0	29	0	0	29
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	7	0	0	7
TOTAL CIVILIAN RIFs		0	0	0	34	0	0	34
TOTAL CIVILIAN PRIORITY PLACEMENTS#		0	0	0	32	0	0	32
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 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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

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

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

COBRA PERSONNEL YEARLY PERCENTAGES REPORT (COBRA v6.10)

Data As Of 4/25/2005 8:46:32 AM, Report Created 4/25/2005 8:46:34 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

Base: NEWPORT DEPOT, IN (18611)

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	50.00%	0	0.00%	0.00%
2007	0	0.00%	25.00%	0	0.00%	0.00%
2008	0	0.00%	25.00%	0	0.00%	0.00%
2009	0	0.00%	0.00%	291	100.00%	100.00%
2010	0	0.00%	0.00%	0	0.00%	0.00%
2011	0	0.00%	0.00%	0	0.00%	0.00%
TOTALS	0	0.00%	100.00%	291	100.00%	100.00%

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

Year	Pers Moved In/Added		MilCon TimePhase	Pers Moved Out/Eliminated		ShutDn TimePhase
	Total	Percent		Total	Percent	
2006	0	0.00%	0.00%	0	0.00%	16.67%
2007	0	0.00%	0.00%	0	0.00%	16.67%
2008	0	0.00%	100.00%	0	0.00%	16.67%
2009	5	100.00%	0.00%	0	0.00%	16.67%
2010	0	0.00%	0.00%	0	0.00%	16.67%
2011	0	0.00%	0.00%	0	0.00%	16.67%
TOTALS	5	100.00%	100.00%	0	0.00%	100.00%

COBRA TOTAL PERSONNEL SUMMARY REPORT (COBRA v6.10)  
 Data As Of 4/25/2005 8:46:32 AM, Report Created 4/25/2005 8:46:34 AM

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

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

Officers	Enlisted	Students	Civilians
8	210	0	182

TOTAL PERSONNEL REALIGNMENTS, ENTIRE SCENARIO):

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	5	0	0	5
Students	0	0	0	0	0	0	0
Civilians	0	0	0	0	0	0	0
TOTAL	0	0	0	5	0	0	5

TOTAL SCENARIO POSITION CHANGES, ENTIRE SCENARIO:

	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	-7	0	0	-7
Enlisted	0	0	0	-198	0	0	-198
Civilians	0	0	0	-81	0	0	-81
TOTAL	0	0	0	-286	0	0	-286

TOTAL SCENARIO POPULATION (After BRAC Action):

Officers	Enlisted	Students	Civilians
1	12	0	101

Department : Industrial  
 Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
 Option Pkg Name: IND 0119 Close Newport Chemical Depot  
 Std Fctrs File : C:\Documents and Settings\\Desktop\COBRA 6.10\BRAC2005.SFF

PERSONNEL SUMMARY FOR: NEWPORT DEPOT, IN (18611)

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: NEWPORT DEPOT, IN (18611)			
Officers	Enlisted	Students	Civilians
7	203	0	81

PERSONNEL REALIGNMENTS:

To Base: BASE X (ARMY), US (XARMY)							
	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	5	0	0	5
Students	0	0	0	0	0	0	0
Civilians	0	0	0	0	0	0	0
TOTAL	0	0	0	5	0	0	5

TOTAL PERSONNEL REALIGNMENTS (Out of NEWPORT DEPOT, IN (18611)):							
	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	5	0	0	5
Students	0	0	0	0	0	0	0
Civilians	0	0	0	0	0	0	0
TOTAL	0	0	0	5	0	0	5

SCENARIO POSITION CHANGES FOR: NEWPORT DEPOT, IN (18611)							
	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	-7	0	0	-7
Enlisted	0	0	0	-198	0	0	-198
Civilians	0	0	0	-81	0	0	-81
TOTAL	0	0	0	-286	0	0	-286

BASE POPULATION (After BRAC Action) FOR: NEWPORT DEPOT, IN (18611)			
Officers	Enlisted	Students	Civilians
0	0	0	0

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

BASE POPULATION (FY 2005, Prior to BRAC Action) FOR: BASE X (ARMY), US (XARMY)			
Officers	Enlisted	Students	Civilians
1	7	0	101

PERSONNEL REALIGNMENTS:

From Base: NEWPORT DEPOT, IN (18611)							
	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	5	0	0	5
Students	0	0	0	0	0	0	0
Civilians	0	0	0	0	0	0	0
TOTAL	0	0	0	5	0	0	5

TOTAL PERSONNEL REALIGNMENTS (Into BASE X (ARMY), US (XARMY)):							
	2006	2007	2008	2009	2010	2011	Total
Officers	0	0	0	0	0	0	0
Enlisted	0	0	0	5	0	0	5
Students	0	0	0	0	0	0	0
Civilians	0	0	0	0	0	0	0
TOTAL	0	0	0	5	0	0	5

Department : Industrial  
Scenario File : Z:\Cobra\Munitions&Armaments\IND 0119 Close Newport Chem Depot\IND 0119 Close Newport Chemical Depot 04202005.CBR  
Option Pkg Name: IND 0119 Close Newport Chemical Depot  
Std Fctrs File : C:\Documents and Settings\Desktop\COBRA 6.10\BRAC2005.SFF

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

Officers	Enlisted	Students	Civilians
----- 1	----- 12	----- 0	----- 101



NEWPORT CHEMICAL DEPOT

## Newport Chemical Depot

Name: NEWPORT CHEMICAL DEPOT

Category: MILITARY

Archive ID#: IN3143

Description: An active munition plant and chemical weapons stockpile site, Newport was the location of the production of TNT, Heavy Water, and, ending in 1968, VX nerve gas. At the 7,104 acre site are several burial pits where VX gas is suspected to be leaking into the ground. The actual facilities used to manufacture the VX gas are still standing and must be torn down by 2005, according to international treaties. The facility is managed by the Day Zimmermann Mason Hanger Group, which operates several ordnance facilities for the government, including the largest ammunition depot "in the free world" at Hawthorne, Nevada. The Newport Chemical Depot was known as the Newport Army Ammunition Plant until 1995. UPDATE (12/2002): Parsons Group of Pasadena, CA (managing contractor) has subcontracted with Perma-Fix Environmental Services Inc., which has a facility at Newport to process the VX stockpile. Destruction of the stockpile is scheduled to begin in fall 2003 and will take approximately nine months, producing 900,000 gallons of hydrolysate that will be shipped to a Perma-Fix Daytona facility for neutralization.

Location: 32 miles N of Terre Haute, three miles S of Newport

Visitor Info: Along Indiana State Highway 63.

Address: IN

state: IN

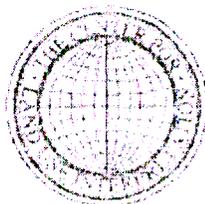
LCS: Weapons Plant, Military

Links: <http://newport.sbocom.army.mil/>

<http://www.army-technology.com/contractors/ammunition/zimmer/>

[http://biz.yahoo.com/prnews/021226/fith001\\_1.html](http://biz.yahoo.com/prnews/021226/fith001_1.html)

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## WEAPONS OF MASS DESTRUCTION (WMD)

### Newport Chemical Depot (NECD) Newport, Indiana

### Maps & Imagery

### Units

### Official Homepage

### Sources

- [Background Info on CW Stockpile Site in Newport, Indiana](#)
- [Newport Chemical Activity @ Indiana Department of Environmental Management Office of Environmental Response](#)
- [Newport Chemical Depot \(NECD\) @ PM Chemical Demilitarization](#)
- [05 April 1992 Newport, IN @ MicroSoft TerraServer](#)

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Newport Chemical Depot (NECD or the Depot) is located in west central Indiana, approximately 2 miles south of Newport and 70 miles west of Indianapolis. NECD has a multi-faceted mission. NECD was transferred from the U.S. Army Industrial Operations Command to the U.S. Army Chemical and Biological Defense Command in 1995. Both of these are subordinate organizations of the U.S. Army Material Command which continues to have major command responsibilities. NECD is a government-owned, contractor operated facility. There are 11 civil service employees and one military commander that comprise the Contracting Officer's Representative (COR) staff. Mason & Hanger Corporation, with headquarters in Lexington, Kentucky, is the Operating Contractor. Approximately 222 full-time contractor employees work at NECD. The total acreage of NECD is 7,098, with easement rights in effect for an additional 1,400 acres.

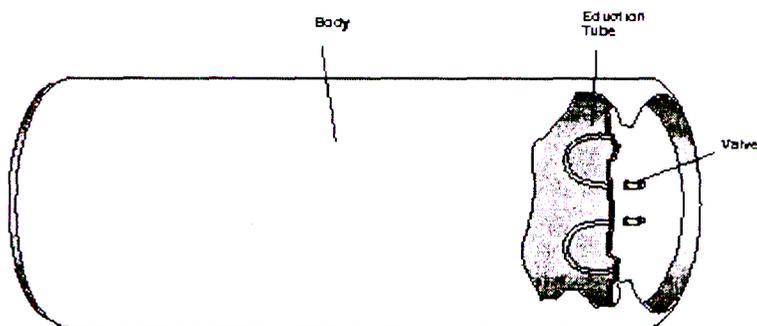
Workers began chemically neutralizing 1,269 tons of VX nerve agent late in the summer of 2004. Neutralizing all the VX should take about 2 ½ years.

On November 14, 1941, authorization was granted for the construction of an RDX facility two miles south of Newport, Indiana. The E.I. Du Pont de Nemours & Company, Incorporated

RDX facility in December 1941. Construction of this RDX Manufacturing Area (RDX-MA) comprising approximately 300 acres in the north central portion the site, was completed in October 1943 at a cost of \$45,717,500. In 1951, while Du Pont was manufacturing heavy water, the Liberty Powder Defense Corporation of East Alton, Illinois, rehabilitated two of the five RDX lines and related facilities at a cost of \$4,361,652. Liberty Powder Defense Corporation operated the plant under contract with the U.S. Army from August 1951 until March 1957. During the period 1957 through 1960, there was no production at the site.

In 1959, the U.S. Army announced the award of a contract to the FMC Corporation of New York City, New York, for the design and construction of a facility to manufacture Chemical Agent VX. The facility was located in the area formerly used for the production of heavy water. The new facility, completed in 1961 at a cost of \$16,498,000 and operated under US Army contract by FMC, remained in production until 1968 when it was placed in standby. The completion of the new VX nerve agent production plant at the Newport Chemical Plant in 1961 created a need for disposal specialists at the site. A detachment of Technical Escort Unit personnel was assigned to the plant the same year.

The Army produced its entire stockpile of VX, a rapid-acting, lethal nerve agent, at Newport. Munitions such as land mines, spray tanks and rockets were shipped to Newport by rail, filled with chemical agent, then shipped to U.S. Defense sites worldwide. President Richard Nixon halted production of all chemical weapons, including VX, in 1968 and declared a moratorium on shipment in 1969, leaving the final two batches of 1,269 tons in storage on the depot. The manufacturing plant was decontaminated as much as was possible without disassembly, then fenced off and left to rust.



The nerve agent VX stockpiled at the Newport Chemical Depot in Indiana is stored in 1,690 steel ton containers commonly known as "TCs". These containers are designed specifically for the maintenance, storage, and transportation of bulk chemical agent.

The Newport Chemical Depot (NECD) stores bulk nerve agent VX in ton containers that are over six and one-half feet long, and almost three feet in diameter. The solid steel sidewalls are roughly a half inch thick, and each end is about one inch thick. When empty, the containers weigh 1,600 pounds. When filled to capacity, the containers can hold up to 170 gallons of liquid, though the TCs stored at Newport have a layer of nitrogen gas that occupies a 10 percent void within the TC. Ton containers are designed to withstand pressures up to 25 times greater than the pressure of our atmosphere, and internal pressures up to 500 pounds per square inch. The ton containers at Newport are stacked in rows three containers high, and are clamped together for stability on top of wooden concave cradles inside a single warehouse of corrugated steel sheet metal supported by steel beams. In order to provide maximum protection to facility personnel and the environment, storage personnel are trained in handling ton containers storing chemical agent and monitoring the containers for signs of leakage.

The Newport Chemical Depot employs numerous security measures to ensure the safety of the stockpile. The depot entrances are guarded 24-hours per day and the outer perimeter is secured by a single chain link barbed wire fence. The storage area is surrounded by double fences and equipped with intrusion detection devices and television monitors. In addition, personnel entering the area must follow strict safety and security procedures.

The chemical agent storage area has alarms and detection systems that monitor the air 24-hours per day for signs of chemical agent release. In addition, four Automatic Continuous Air Monitoring Systems (ACAMS) monitor the storage building. Should the ACAMS detect chemical agent vapor, it would activate a series of alarms, both visual and audible, and alert emergency response teams. Certified personnel also conduct visual monitoring regularly to inspect the condition of the ton containers housed in the storage building. If a ton container shows evidence of leaking, detailed emergency response procedures are in place to rectify the problem and to protect the health of site personnel and the community.

The Newport Chemical Depot will continue to store bulk chemical agent in ton containers until it

is safely disposed of by the Chemical Stockpile Disposal Program. Once the agent has been removed, the containers will be cleaned and decontaminated in accordance with federal, state and local laws, and then shipped off-site for recycling.

Under the terms of the Chemical Weapons Convention treaty ratified in April 1997, the U.S. must destroy its entire inventory of chemical weapons and production facilities by 2007. The Army plans to break ground in late 1999 for a pilot neutralization plant at the Newport depot to destroy the VX stockpile. The facility will destroy 4.1% of the nation's original chemical stockpile including nerve agent in ton containers.

VX stored in bulk containers will be pilot tested at NECD using the chemical neutralization process followed by supercritical water oxidation (SCWO) as a potential disposal technology for the bulk agent VX stored at Newport Chemical Depot (NECD). The proposed facility will be used to demonstrate, as part of a research and development program, the neutralization process followed by SCWO, to destroy VX agent currently stored in ton containers at NECD. At one time, the option of sending the neutralization hydrolysate to an off-site biotreatment facility was under consideration by the Army. However, technical and programmatic evaluations have concluded that off-site biotreatment is not suitable at this time.

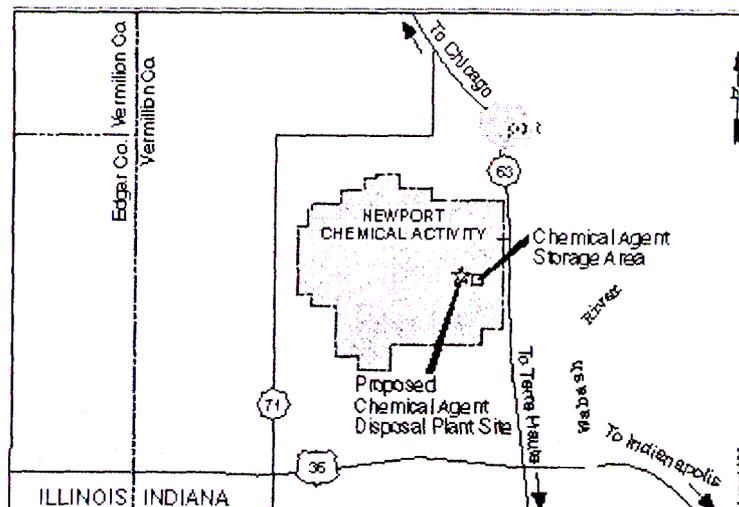
On February 18, 1999, the Army awarded the \$295 million contract to Parsons Infrastructure and Technology Group, Inc., and its partnership team headed by AlliedSignal to complete the facility design; build, operate and close the disposal facility. Within a year, construction was scheduled to begin on this new facility that will destroy 1,269 tons of liquid VX stored in carbon steel ton containers. The Parsons-Allied Signal Team will dispose of the Newport stockpile using a low-pressure, low-temperature neutralization process, followed by a post-treatment process called supercritical water oxidation (SCWO) which reduces the neutralized by product to distilled water and salt.

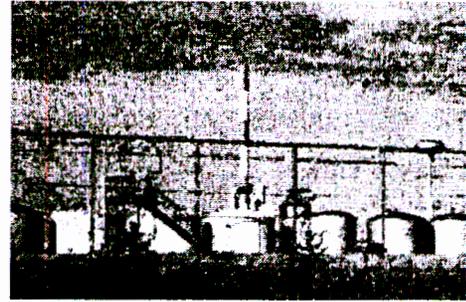
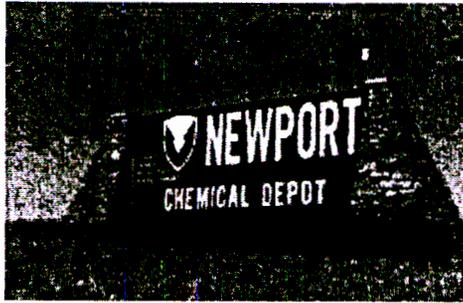
VX was produced in four steps, numbered zero through three. The first three steps are located outside the current chemical agent storage area and are scheduled to be completely demolished by August 2002. Step III, which is located inside the storage area, will be completed by February 2007. Step III is where the precursors were combined to actually create the VX. During VX production the installation's contractor was FMC Corp. The depot's current contractor, Mason & Hanger Corp., employs 205 workers who provide safe and secure storage of the stockpile. A handful of employees from the VX production days still work at the depot today.

#### Disposal Schedule:

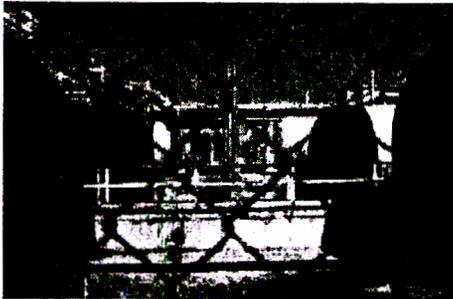
Construction:	2000-2002*
Testing:	2002-2003*
Operations:	2004*
Closure:	2005*

\* Dates are based on using the neutralization process





At the former VX production facility, tanks like this one were used to hold acids which were used in the production of TNT. The production took place at the Newport Chemical Depot from 1973 through 1974.



At the former VX production plant, tanks like this one were used to hold chemical agent VX prior to the agent being transferred to ton containers or munitions. The Newport Chemical Depot has eight of the product bulk storage tanks.



At the former VX production facility, at the Newport Chemical Depot, scrubber towers were used to clean air from inside a building before the air was released.



Bulk Storage Tank at the Former Production Facility. Tanks like this one were used to hold chemical agent VX prior to the agent being transferred to ton containers or munitions. The Newport Chemical Depot has eight empty product bulk storage tanks.



This former TNT plant consisted of five production lines. TNT was produced at the Newport Chemical Depot from 1974 through 1975.

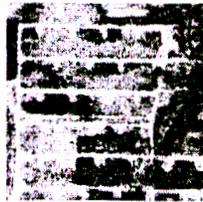


These structures are part of the former nerve agent VX production facility. This is a view of various steps, from the northwest.

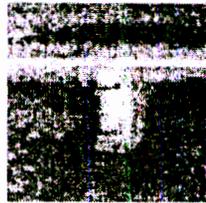


This building holds a portion of the chemical stockpile at the Newport Chemical Depot. The stockpile consists of 1,690 ton

containers, all holding the chemical agent VX.



Newport Chemical Depot (NECD) is a government-owned, contractor operated facility covering 7,098 acres.



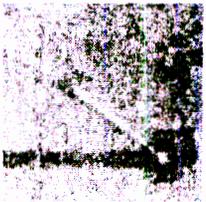
Additional storage facilities comprise much of the western portion of the facility. These igloos are apparently not currently used to store chemical weapons.



During the 1950s the E.I. Du Pont de Nemours & Company manufactured heavy water at Newport. Starting in 1961 the FMC Corporation manufactured Chemical Agent VX at this facility until 1968 when it was placed in standby. The manufacturing plant was decontaminated without disassembly. The nerve agent VX stockpiled at Newport is stored in 1,690 steel ton containers inside a single warehouse constructed of corrugated steel sheet metal.



Construction of the five-line RDX Manufacturing Area (RDX-MA) comprising approximately 300 acres in the north central portion the site was completed in October 1943.



The U.S. Coast Guard has a 101 acre permit for its LORAN-C Station.

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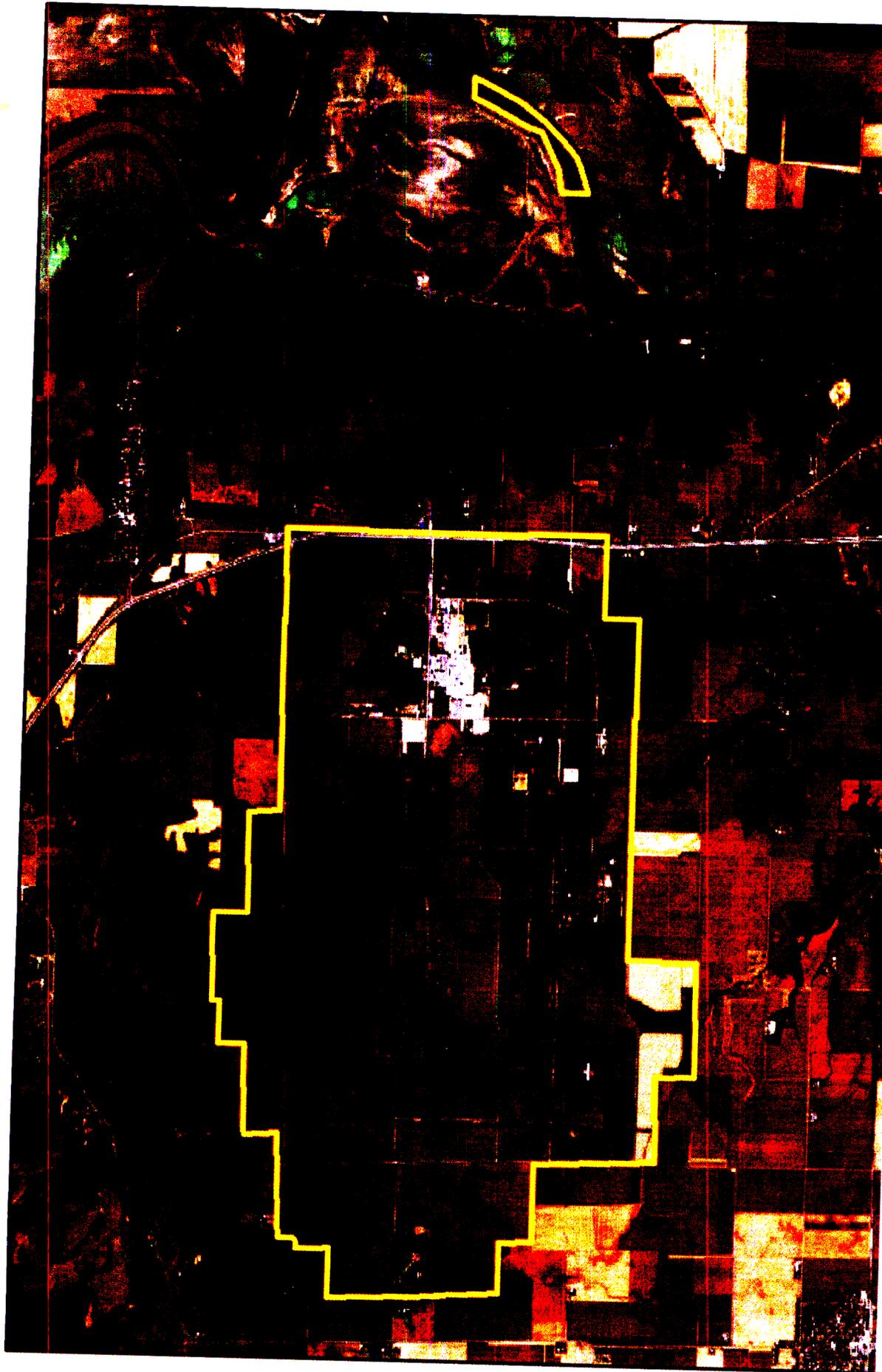
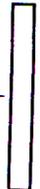
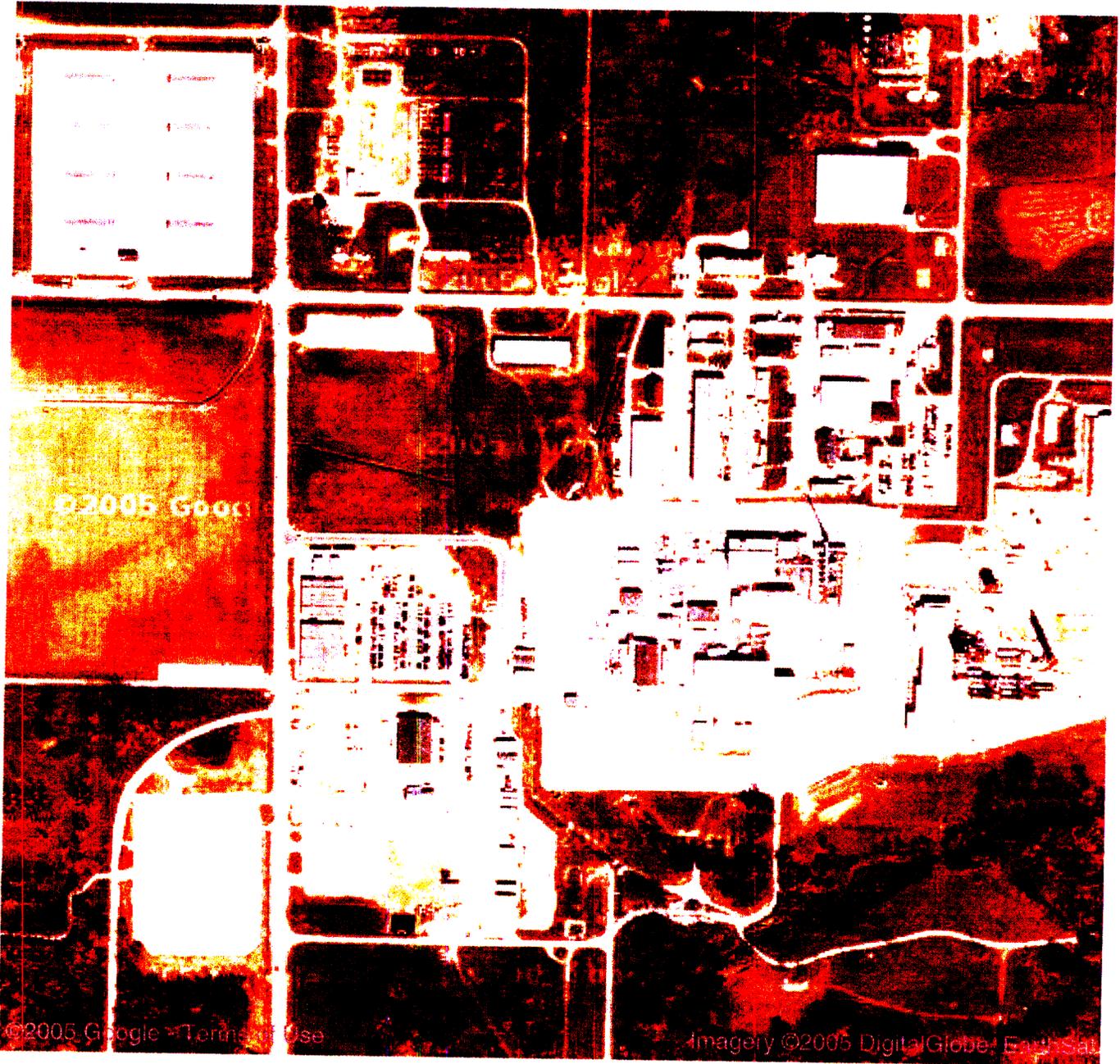


Image © Space Imaging LLC

# Newport Chemical Depot, IN

 Installation Boundary

 1 Miles



Newport, IN 47966



**HISTORIAL SUMMARY**  
**OF**  
**STATE BASE REALIGNMENT & CLOSURE ACTIONS**

**INDIANA**

1988	Indiana Army Ammunition Plant	CLOSE
1988	Jefferson Proving Ground	CLOSE
1991	Fort Benjamin Harrison, Indianapolis	CLOSE
1991	Grissom Air Force Base, Peru	CLOSE
1991	Naval Avionics Center, Indianapolis	REALIGN
1991	Naval Weapons Support Center, Crane	REALIGN
1993	Defense Information Technology Service Organization, Indianapolis Information Processing Center	CLOSE
1993	Navy/Marine Corps Reserve Center Fort Wayne	CLOSE
1993	Naval Reserve Center Terre Haute	CLOSE
1995	Naval Air Warfare Center, Aircraft Division, Indianapolis	CLOSE





## New Jersey Blocks DuPont Treatment of Nerve Agent Wastewater

By staff | May 23 '05

TRENTON, New Jersey (ENS) — --> The state of New Jersey is blocking a proposal by the U.S. Army and the chemical company DuPont to transport corrosive wastewater left after VX nerve agent is neutralized from Indiana to New Jersey for further treatment. The VX nerve agent now is located in a stockpile at a U.S. Army base in Indiana, where the neutralization has begun.

The Army has asked DuPont to transport the wastewater to the company's Secure Environmental Treatment facility at Chambers Works in Deepwater, New Jersey, the largest commercial wastewater treatment facility in North America. There DuPont proposes to treat it with a new patented wastewater treatment technology using powdered activated carbon.

But on Friday state Department of Environmental Protection (DEP) Commissioner Bradley Campbell issued a draft surface water discharge permit for the DuPont Chambers Works facility that does not allow treatment of a neutralized VX nerve agent byproduct.

"New Jersey continues to oppose the United States Army's proposal to transport nerve agent waste from the Newport Chemical Depot in Indiana to DuPont's Chambers Works environmental treatment facility in New Jersey," said Acting Governor Richard Codey, a Democrat.



## First batch of VX successfully destroyed

Army tests show undetectable levels remain in byproduct of deadly nerve agent.

**By Tammy Webber**  
tammy.webber@indystar.com  
May 10, 2005

Two more containers of the deadly Cold War-era nerve agent VX will be destroyed this week, after extensive tests over the weekend confirmed the first container was destroyed last week, U.S. Army officials said Monday.

"I'm more than ecstatic right about now," said Jeffrey L. Brubaker, project manager at the Newport Chemical Depot in Vermillion County, where more than 250,000 gallons of VX have been stored in about 1,600 1-ton containers for the past 36 years.

Each ton container holds up to 180 gallons of VX, a chemical so deadly that a single pinpoint drop could kill an adult in minutes.

On Friday, the first container was destroyed in two 1,000-gallon reactors. Half of the VX was fed into each reactor, where it was mixed with water and sodium hydroxide and heated to 194 degrees for several hours to break down the agent.

Tests showed that less than 14 parts per billion of VX, a level considered undetectable, remained in the byproduct -- a caustic chemical called hydrolysate that has been compared to drain cleaner -- after about six hours, Brubaker said. The Army's criterion for destruction is 20 parts per billion.

The start of the project was slow and methodical to ensure the process would work, since it had never been tested in full-scale reactors.

But officials from the Army and Parsons, the California-based contractor destroying the agent, eventually want to feed a full container into each reactor, Brubaker said.

Early next week, officials will study data from the first three containers to ensure consistent results before increasing the amount of VX, he said.

That would allow workers to destroy four containers per day and complete the project within about two years, Brubaker said.

The United States is under an international agreement to destroy its chemical weapons stockpile by 2007, although a five-year extension probably will be sought. Chemical weapons, including in VX-loaded weapons, still are stored at seven sites in the United States.

The Newport plant, the only place VX was manufactured, was built in 1962 amid escalating tensions with the Soviet Union. The U.S. never used the agent, and President Richard Nixon ordered the plant shut down in 1969.

For now, the VX byproduct will be stored in special containers in Newport until a final decision is made on where it will go. Army officials

want to ship the byproduct to a DuPont Co. plant in New Jersey, where it would be treated and released into the Delaware River, but opposition in New Jersey and Delaware has stalled the plan.



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[North Jersey.com](#) April 07, 2005

### CDC warns on VX waste dumping

In-Depth Coverage

A plan to destroy the Army's stockpile of the world's deadliest chemical weapon and ship the resulting waste to New Jersey should not proceed, a government report said Wednesday.

The plan to destroy 1,269 tons of VX nerve agent - so lethal a single drop can kill a man - "has raised concerns and questions about potential impacts on public health and the environment," the Centers for Disease Control and Prevention said. The waste from neutralizing the agent would be treated and dumped into the Delaware River, under the plan.

Trace amounts of VX may remain even after it undergoes a chemical process meant to destroy it, the CDC report said. Those amounts would not be harmful to humans, but "may not be protective of aquatic organisms," according to the 86-page report.

At least one lawmaker, Rep. Robert Andrews, D-Camden, called on the Army to abandon the project altogether.

But officials from the Army and DuPont, the company responsible for treating the wastewater at its Deepwater plant, near the Delaware Memorial Bridge, said they were confident the plan would go ahead soon.

"We are confident any concerns addressed in the CDC study can be resolved," said Terry Arthur, a spokeswoman for the Newport Chemical Depot in Indiana, where the VX has been stored. "We would not ship [the neutralized VX] to New Jersey or anywhere else without knowing it was safe - and DuPont won't accept it unless it's safe."

The Army is required by treaty to destroy the nerve agent this decade. The VX has been stored at the Newport depot, 70 miles west of Indianapolis, since it was manufactured in the 1960s. Production was stopped in 1969. It has never been used.

The U.S. Army Chemical Materials Agency released a statement Wednesday saying it was reviewing the report.

Another concern raised in the report was the presence of phosphorus in the wastewater that would be released into the Delaware River. Phosphorus acts as a nutrient, promoting the growth of aquatic plants such as algae, which rob oxygen from the water and kill fish.

DuPont officials, however, say the Delaware-based company has developed a method for removing the phosphorus from the water, a detail the CDC didn't take into account in its report. DuPont scientists will meet with government officials this month to demonstrate the new technology.

Nick Fanandakis, vice president and general manager of DuPont Chemical Solutions Enterprise, said in a statement that the company will not move forward with the Army's plan "until the technical recommendations from the report are reviewed and addressed."

The process of destroying VX consists of adding the agent - it has the consistency of motor oil - to a solution of water and heated sodium hydroxide, a highly caustic liquid. The resulting reaction neutralizes the VX and creates a corrosive byproduct called hydrolysate. Four million

gallons of hydrolysate are expected to be created over the course of neutralizing the entire stockpile.

Because different chemicals are used to stabilize the nerve agent in storage, the processes used by the Army to destroy the VX will work on only half the stockpile, the report warns. Army chemists need to "use various recipes to come up with an approach" to neutralize the rest, a CDC official said.

Pentagon officials sent a letter to Congress on Tuesday saying the Army was ready to begin destroying half the stockpile. That step would meet a requirement that Congress be provided with at least 30 days' notice before the destruction begins, said Arthur, the Newport spokeswoman.

Arthur said it has not been decided exactly when the chemical neutralization would begin, but it could start anytime after May 5.

The neutralized VX could be stored at the Newport facility until DuPont is ready to take delivery in New Jersey.

In the next step, the neutralized VX would be loaded into hazardous materials tanker trucks for the 760-mile trip to New Jersey. The report approved the transportation plan, saying that precautions were "adequate to protect the public, personnel and environment."

This article contains material from The Associated Press. |E-mail: [ivry@northjersey.com](mailto:ivry@northjersey.com)

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#### Deadly stockpile

VX, a liquid the consistency of motor oil, is the deadliest nerve agent ever made. Just 10 mg can kill - making it 170 times deadlier than sarin.

VX was added to land mines, spray tanks and rockets and shipped to military sites worldwide. It has never been used in battle, but an accidental release in Utah killed 6,000 sheep in 1968.

The U.S. manufactured VX from 1961 to 1968 at the Newport Chemical Depot in Indiana. The government has destroyed all but 1,269 tons of its stockpile, which is stored in 200-gallon carbon steel cylinders at the depot, 70 miles west of Indianapolis.

Under the terms of the Chemical Weapons Convention treaty ratified in April 1997, the United States must destroy its entire inventory of chemical weapons and production facilities by 2007.

Sources: John Pike, [Global Security.org](http://GlobalSecurity.org); Terry Arthur, Newport Chemical Depot; Associated Press.

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Friday, Jun

The online edition of the Tribune-Star, Terre Haute, Indiana

Updated Sep 16, 2004

# News

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## Army plans to extend VX destruction schedule

About half of the 1,269 tons of agent contains stabilizer that takes longer to process

By Patricia L. Pastore/Tribune-Star

September 16, 2004

The Army expects to extend its schedule for destroying nerve agent VX at Newport because about half the VX contains a stabilizer that takes longer to process.

The 1,269 tons of VX contains two stabilizing agents. The DIC stabilizer is in 46 percent, according to estimates based on analyses of samples. The rest is DCC or a blend of the DIC and DCC, said Jeff Brubaker, Army site manager.



"The difference, as it applies to the neutralization process, is that it may be necessary to process the DCC or DCC-DIC blended stock for longer periods," he said. "This factor has the potential to extend our schedule for destroying the entire Newport stockpile, but should not affect our ability to begin destruction operations."

The Army had validated its ability to reduce the VX level in its byproduct hydrolysate to a specified nondetect level.

"In initial tests of DCC stabilized agent, we have achieved nondetect with a method detection limit at or below 20 parts per billion," Brubaker said.

"However, the processing time required to meet the nondetect level has varied from 10 to 16 hours," Brubaker said.

"Our schedule is based on a 2.5 hour processing time which has successfully been achieved with the DIC stabilized VX."

Brubaker said tests performed with DCC and mixed stabilizers were at laboratory scale, using a 0.8-gallon reactor. At the laboratory scale, it is not easy to duplicate the mixing provided by larger and more sophisticated reactors, he said.

"Based on pilot scale testing done in 1999 with DCC-stabilized VX using a 100-gallon reactor similar to the full-scale reactor installed in the Newport plant (1,000 gallons) we would surmise that longer processing times would not be needed," Brubaker said. "However, until we use the actual reactors in the plant, which we know perform differently from the smaller laboratory equipment we have been using for verification, we cannot rule out longer processing times. Please be assured that the plant equipment and associated control systems have the capability to process for longer periods, if needed."

The Army still plans to ship the VX hydrolysate, about 4 million gallons, to a commercial hazardous wastewater treatment plant for further treatment. It has been working with DuPont in New Jersey.

Brubaker said each hydrolysate batch will be confirmed as nondetect for agent with less than or equal to 20 ppb before off-site shipment. Regardless of the stabilizer content, if the verification

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sample from the processed batch does not clear at the nondetect level of 20 ppb or lower, it will be processed until it does.

"The Army's focus remains on the safe destruction of VX," he said.

Brubaker said a slow startup plan was developed that allows the Army to verify plant performance during the initial operations before increasing the destruction rate. He said multiple transportable containers are on-site to store hydrolysate until the commercial facility is ready to receive it. He estimates that will be in about six to nine months.

"If the commercial facility is not viable, we would pursue expanding the on-site storage capability and concurrently begin evaluating on-site treatment options," Brubaker said. "We realize such a change in our course of action could slow down the completion of the Newport stockpile destruction, but our prime focus is making a start toward eliminating the risk from continued storage."

Last month, the Army delayed the start of VX destruction until 190 operational and safety issues raised by a review board during a test are addressed.

As of Tuesday, there were 54 remaining recommendations waiting to be verified and closed before the start of safe operations, said Terry Arthur, Army spokeswoman. She said work has been completed on 51 of the remaining recommendations.

"Based on the current schedule, these completed recommendations are waiting for verification by independent auditors and will be presented to the Commissioning Review Board for closure later this week," Arthur said. "Work is under way to complete the remaining three recommendations by the end of this month."

In August, the Army expected VX destruction to begin between October and December, Brubaker said.

The numerous delays have eliminated the possibility that the Newport Chemical Depot will meet the requirements of the Chemical Weapons Convention, the multinational treaty signed during the Reagan administration that requires the destruction of bulk nerve agents and weapons by 2007.

"Though the United States will not meet the original treaty deadline set for April 2007, the Organization for Prohibition of Chemical Weapons has granted an extension of the 45 percent destruction milestone from April 2004 to December 2007," Brubaker said. "The United States, the Army and workers at the Newport Chemical Depot are committed to eliminating the chemical weapon stockpile as safely and expeditiously as possible, thereby eliminating the risk these weapons pose to our community, our workers and our environment."

The Newport Chemical Depot sits along U.S. 41 about 30 miles north of Terre Haute. A drop of VX the size of a BB may be lethal in minutes.

*Patricia Pastore can be reached at (812)231-4271 or [pat.pastore@tribstar.com](mailto:pat.pastore@tribstar.com)*

**Story created Sep 16, 2004 - 08:32:15 CDT.**

## Newport Chemical Depot Indiana

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#### **Several Vulnerable House Members Face Base-Closure Hits**

Vulnerable House incumbents have much at stake with the Pentagon's release of its Base **Realignment** and Closure list today. The district of Rep. Rob Simmons, R-Conn. -- a perennial Democratic target -- was perhaps the biggest jobs loser with the Pentagon's recommendation that the New London Submarine Base be closed, at a projected expense of nearly 7,100 military and more than 950 civilian jobs. Simmons, a member of the Armed Services Committee, called the recommendation an "outrage" and vowed to fight it. "The recommendation to close the subbase cannot stand, and we are determined to fight, and we are going to win," Simmons said.

Other potentially vulnerable House members who face possible military and civilian job losses in their districts include Reps. John Barrow, D-Ga., Stephanie Herseth, D-S.D., John Hostettler, R-Ind., and Earl Pomeroy, D-N.D. The recommended closure of the Naval Supply Corps School could cost the Athens, Ga., area about 500 military and civilian jobs and hinder Barrow's bid for re-election under a GOP redistricting map. Herseth faces the closure of Ellsworth Air Force Base and an air guard station at a cost of nearly 3,700 jobs. The proposed closure of the **Newport Chemical Depot** and a naval support **realignment** could cost Hostettler's district nearly 1,000 jobs. Pomeroy faces a **realignment** of the Grand Forks Air Force Base, which could mean the net loss of more than 2,600 jobs. Rep. Louis (Louie) Gohmert, R-Texas, who won his seat last year by ousting Democratic Rep. Max Sandlin, faces 2,500 lost jobs -- nearly all of them civilian -- at the Red River Army Depot. Rep. Tom Allen, D-Maine, could lose 2,500 military and nearly 4,100 civilian posts with the closure of Portsmouth Naval Yard and the **realignment** of the Brunswick Naval Air Station.

Not all House incumbents are job losers under the Pentagon's BRAC recommendations. Rep. Robin Hayes, R-N.C., could benefit from the more than 4,300 net jobs Fort Bragg is slated to pick up. Rep. Tom Cole, R-Okla., is also a jobs winner, as Fort Sill and Tinker Air Force Base are slated to pick up nearly 4,000 jobs. Rep. Jim Gibbons, R-Nev., who is running for governor, will lose some jobs if an army depot is closed, but those will be more than offset by about 1,400 jobs

added at Nellis Air Force Base.  
-- by Mark Wegner

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### Local Articles

#### **Reshuffling at bases concerns residents; Those who live near facilities slated for job cuts, closing say effects could be devastating.**

BY TAMMY WEBBER AND TIM EVANS

BLOOMFIELD, Ind. -- Reed Wilkinson lit a cigarette, inhaled deeply and wondered aloud about the future of this Southern Indiana town.

The day before, residents learned the area's largest employer -- Crane Division, Naval Surface Warfare Center, with more than 4,000 workers -- would lose almost 700 jobs under a Pentagon **realignment**. Wilkinson said he's not sure Bloomfield or the rest of the region could take more losses.

"I'm glad they're saving 3,300 jobs," Wilkinson said, as a small group gathered at the Spot Lounge nodded in agreement. "But 700 jobs is too much to lose. Keep this up, and there's not going to be a Bloomfield."

About 55 miles northwest, in Vermillion County, residents near the U.S. Army's **Newport Chemical Depot** expected the news that 571 jobs would be lost when the depot closes in a few years. The only activity at the base, idle for almost 35 years, is ongoing destruction of the deadly chemical nerve agent VX.

But residents near both bases say they're keenly aware that, while the military's Defense Finance and Accounting Service center in Lawrence will get 3,495 new jobs under **realignment**, rural Indiana will suffer the brunt of job losses.

Residents and state officials say there is a chance to make the best of the situation because bases listed for closure or **realignment** could receive federal money for redevelopment.

A military base planning council established by state lawmakers this year will be organized soon and is expected to establish a local redevelopment authority for the area around Crane, said Lt. Gov. Becky Skillman, who will lead the council.

Economic development officials and others hope to draw high-tech firms that could provide such things as engineering support for Crane, where the Navy designs and procures military equipment, including electronic warfare systems.

In Vermillion County, economic development officials have been planning for years how they might reuse the 7,000-acre Newport base 30 miles north of Terre Haute as an industrial park; it has been off the tax rolls for decades.

Jobs already scarce

New jobs couldn't come fast enough to Southern Indiana, where hundreds were lost when the

local KPT Inc. tile factory closed in 2001 and General Electric laid off workers at its Bloomington plant in March, residents said.

Now, one of the fastest-growing jobs is selling the illegal drug methamphetamine, said Sherry Benton, bartender at the Spot Lounge in Bloomfield.

"Oh Lord have mercy, there's a big meth problem," she said. "There's nothing for kids to do. There's no movie theater, no roller rink."

Wilkinson said some have turned to drug dealing because they have no job or money.

"I don't condone it, but when you're destitute and there's no jobs, it can make you do desperate things," he said.

In Bloomfield, about 46 percent of the jobs are tied to Crane. It's even higher -- 67 percent -- in the Martin County city of Loogootee, economic development officials said.

But even the base's presence hasn't kept vacant storefronts from dotting the downtowns. In Bloomfield, the state recently announced it would close the Bureau of Motor Vehicles branch.

"There's just no industry left in Greene County at all," said Basil Bennett, who said at least six stores have closed since he opened The Dancing Bear antiques store in Bloomfield eight years ago.

Richard Cornett, who has run a barber shop in Loogootee for 35 years, said many of his customers work at Crane and the uncertainty over their jobs has been trying.

"A lot of people have been putting off building homes around here," he said

Crane is Southern Indiana's second-largest employer, providing the bulk of its jobs in five counties -- Daviess, Greene, Lawrence, Martin and Monroe -- where the average poverty rate in 2002 was 11 percent overall and 12.6 percent for children younger than 18.

Wilkinson, who delivers newspapers for a living, thinks efforts to develop the area around Crane and the planned extension of I-69 through the area could be a godsend.

"I'd like to see something to entice more businesses down here and to provide more jobs for the area. There is just nothing here," he said. "Crane is about it.

"We don't even have a drug store anymore. It's a shame the town is drying up like this."

Redevelopment planned

In Newport, where most of the depot jobs were lost decades ago, economic development officials are looking forward to redeveloping the base once it closes to create more jobs.

Bob Sollars, 54, remembers when the **Newport Chemical Depot** employed thousands and fueled the local economy.

"We used to have three grocery stores, two restaurants, two gas stations. The town was flourishing when it was booming," said Sollars, as he helped his 12-year-old grandson, Bobby,

feed a 4-H pig rooting in the mud in a pen behind their home. "About the only thing left now are the three taverns."

Sollars admitted he is worried about the future of this town of fewer than 600.

"I don't know what my grandkids are going to do if they don't get out of here," he said.

Unemployment in Vermillion County was 8.4 percent in March, compared with a statewide average of 6 percent.

Few jobs in the western Indiana area pay the \$15 to \$20 in hourly wages and offer the benefits that came with civilian jobs at the depot, said Evelyn Ward, 63, of Newport. She worked at the depot for 22 years.

In the Newport area, the only comparable pay is at a Cinergy power station, an Inland Container plant and an Eli Lilly facility. And the future of jobs at the power plant became a question mark last week when Cinergy announced North Carolina-based Duke Power was purchasing it -- a move that could lead to the reduction of about 1,500 jobs.

Many residents in this rural area along the Wabash River south of I-74 already drive more than 30 miles to Terre Haute or Danville, Ill., for work. Several lost jobs when General Motors closed a plant in Danville.

Evelyn Ward's husband, Warner Ward, 69, worked at the depot for seven years and thinks its closing will hurt the local economy more than people realize.

"It may only be a nickel here and a dime there, but it adds up," he said. "There are a lot of people who rent homes to the people who work there. They eat in the restaurant and buy gas and pay taxes.

"Their kids go to school here. When they're gone, people are going to feel it in places we don't think a lot about right now."

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### **Contractor Ramps Up Pace of VX Destruction**

(Newport) -- Army contractors are destructing a deadly nerve agent at double the pace less than a month after beginning the process.

Officials say workers at the Newport Chemical Agent Destruction Facility have successfully neutralized about 1500 gallons of VX since startup on May fifth. The process is expected to take more than two years to complete and produces a caustic chemical called hydrolysate, similar to liquid drain cleaner.

The hydrolysate will initially be stored at the depot about 30 miles north of Terre Haute. The Army then wants to treat it at a New Jersey plant and dispose of it in the Delaware River. But New Jersey and Delaware opposes the plan.

A single pinpoint droplet of VX can kill a healthy adult male and more than 250,000 gallons of it are stored at the depot.

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## Crane to see jobs cuts under Pentagon proposal

By RICK CALLAHAN, Associated Press Writer

INDIANAPOLIS

The Crane Naval Surface Warfare Center will remain open, but lose nearly 700 of its 4,000 jobs under the Pentagon's proposed military base closures.

The list given Friday morning to congressional offices has nearly 3,500 jobs being added to the Defense Finance and Accounting Service at the former Fort Benjamin Harrison in Indianapolis. That center now has about 3,000 mostly civilian workers at the Army's accounting headquarters.

No major base closings in Indiana were included on the list.

The Pentagon's list, however, does include about 140 job cuts at the Air National Guard station at the Terre Haute International Airport and the addition of some 300 jobs to the Air Guard base at Fort Wayne's airport.

It also includes the anticipated closing of the **Newport Chemical Depot** in western Indiana after the destruction of the VX nerve agent stored there is completed.

Overall, the Pentagon's proposal has the state gaining nearly 2,200 jobs at the military sites.

Members of Indiana's congressional delegation said the mostly civilian jobs being added to the finance center in Indianapolis were coming from other centers around the country.

"This is great news for all of Indiana, and I am almost overjoyed," Rep. Steve Buyer said. "As much as all of want to claim victory, this is victory for us only in the first round."

Crane, about 30 miles southwest of Bloomington, has been the state's largest military employer and had been the Indiana site considered most endangered by the base closing process.

Many who live in the small towns around Crane had worried about its future.

Ja'Lene Meece, of Washington, has relatives who work about 20 miles away at Crane said the job cuts there would be harmful.

"I think it's still going to hurt," she said Friday. "Everybody's looking for jobs."

Indiana officials have already made plans to lobby to have Crane removed from the list.

Former U.S. Sen. Dan Coats, whom Gov. Mitch Daniels hired to lobby for Crane in Washington, has said he and other officials were already prepared to talk to the Base **Realignment** and Closure commissioners.

Mike Gentile, executive director of the Southern Indiana Business Alliance, said the lobbying moves into another phase after Friday's announcement.

"There's still an opportunity for getting your two cents in," Gentile said Thursday.

The Base **Realignment** and Closure Commission will consider the Pentagon's recommendations and send its own proposals to President Bush by Sept. 8. The president must send a list to Congress by Nov. 7.

Several smaller units were included among the closing recommendations. They are the Navy Marine Corps Reserve Center at Grissom Air Reserve Base; the Navy recruiting district headquarters in Indianapolis; the Navy Reserve Center in Evansville; and an Army Reserve Centers in Lafayette.

Pentagon officials had originally said the military had about 25 percent more capacity than it needed. Crane's loss of a projected 683 jobs is less than a 25 percent cut.

John Clark, senior adviser for economic growth in the governor's office, said this week that shedding fewer than 1,000 jobs at Crane would be a victory of sorts.

"Anything less than 25 percent would have to be viewed by some as a positive development in that context," he said.

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## **Crane to lose jobs, but state will gain other military jobs under Pentagon proposal**

MAUREEN GROPE

WASHINGTON -- In stark contrast to previous base closing rounds, Indiana fared unexpectedly well under a nationwide military restructuring plan recommended by the Pentagon Friday.

The state's last major installation -- the Crane Division, Naval Surface Warfare Center in Martin County -- would lose an estimated 683 jobs. But it was spared closure.

And, in a surprise move, the Pentagon said it wants to add an estimated 3,495 jobs to the Defense Finance and Accounting Service center in suburban Marion County.

Those changes, combined with others around the state, would give Indiana an estimated net gain of 2,197 direct military, civilian and contractor jobs, the Pentagon said. That's the 10th largest potential gain of any state.

Gov. Mitch Daniels called the news "the best result we could have hoped for."

"Winston Churchill once said there is nothing so exhilarating in life as to be shot at without result," Daniels said. "This is not a bullet we just dodged at Crane. It is a mortar shell."

On Monday and Tuesday, Indiana political and economic development leaders will huddle in Washington to strategize on how to hold their ground in the Base **Realignment** and Closure (BRAC) process, and perhaps gain back some jobs for Crane.

The proposed changes, which must be reviewed by an independent commission and approved by Congress and the president, are part of the military's effort to cut spending on excessive infrastructure and reorganize to fight modern threats like terrorism.

Other proposed changes in Indiana include:

-- Adding 313 jobs at the Air Guard Station in Fort Wayne;

-- Eliminating 136 jobs at the Air Guard Station in Terre Haute;

-- Closing the Navy Marine Corps Reserve Center at Grissom Air Force Base, a loss of seven jobs;

-- Closing the Navy Recruiting District Headquarters in Indianapolis, a loss of 38 jobs;

-- Closing the Army Reserve Center in Lafayette, a loss of 21 jobs.

Changes to Reserve installations comprise the majority of the Pentagon's recommendations nationally.

The list also includes the expected closure of the **Newport Chemical Depot**, with its 571 jobs, after the military has finished destroying the deadly Cold War-era nerve agent VX stored there. Work is expected to be done in 2008.

"We all know that we're in the process of working ourselves out of a job," said Terry Arthur, public affairs officer at Newport.

Ed Cole, director of the Vermillion County Economic Development Council, said being on the closure list might give the area a better chance to seek federal transition assistance. Local leaders already are contemplating ways to use the 7,000 acres at Newport, probably as an industrial park, Cole said.

Previous base closing commissions took away the active duty military at Grissom Air Force Base, closed the Jefferson Proving Ground and Fort Benjamin Harrison and privatized the Indianapolis Naval Air Warfare Center. Indiana lost 84 percent of its active-duty military, the third-largest percentage decrease in active duty military in the nation.

In the economically strapped Martin County town of Loogootee, where 67 percent of jobs are tied

to Crane, many residents were relieved that fewer than 1,000 of the more than 4,000 jobs on the base would be cut.

"Can you imagine life without Crane?" said Sandra Sue Hunt, who owns Hunt's Steamer Cafe in Loogootee. "A lot of people had some sleepless nights. There's been so much pressure on everybody."

Ed McAtee, 44, an electrical engineer at Crane, agreed.

"It was good news, but then bad news because someone has to lose their job," he said.

McAtee, who's worked at Crane almost 18 years making printed circuit boards and whose two brothers also work there, did not know if his job was on the line.

"It's always in the back of my mind, but I just hope for the best," he said.

The Pentagon's proposed changes at Crane -- a direct loss of 683 jobs and an indirect loss of 308 - - would reduce the region's employment by 11.6 percent, according to the military. That would make it among the hardest hit areas in the country.

The Army operations at Crane -- ammunition production and storage --- were untouched. The Navy's ordnance and electronic warfare components took the biggest hit, and many of the job losses would be among scientists, engineers and technicians, said Crane spokeswoman Sue Webster.

Webster said officials there will try to persuade members of the base closing commission, two of whom are expected to visit this summer, to restore some of the jobs.

"This process is not over," Webster said.

Then next step is a summer-long review by the commission, which can make changes. Past commissions have approved about 85 percent of the military's recommendations.

After that, the list goes to the president and then Congress, who must reject or accept it in its entirety with no changes.

Even if the defense jobs aren't restored, Daniels expressed confidence that Crane can bring in new business from the private sector and universities that would result in no net job loss.

The Indianapolis area, meanwhile, could gain nearly 6,000 jobs directly or indirectly under the military's proposal.

"That would be fabulous," said Lawrence, Ind. City Councilwoman Linda Treat. "Lawrence needs a big boost to the economy."

All the gains would be at the finance center at the former Fort Benjamin Harrison in Lawrence. Jobs would come from other finance facilities across the country as part of a major reduction in business facilities.

"It appears to me that they're going to make that one of the focal points for taking care of the military payroll, nationwide and worldwide," said Rep. Dan Burton, R-Indianapolis.

Three finance operation facilities are slated to pick up jobs from 23 others, with Marion County apparently getting the lion's share.

Having Daniels -- a former director of President Bush's Office of Management and Budget -- leading the fight made all the difference, said John Clark, a senior adviser to Daniels. He said Daniels could coach his team of advisers, including Clark and Lt. Gov. Becky Skillman, on how to make their case on why Crane should be kept open.

As a former Cabinet member, Daniels is on a first-name basis with Bush, Vice President Dick Cheney and Defense Secretary Donald Rumsfeld. He made two trips to Washington, one solely to lobby for Crane. The other trip included attending the National Governors Association conference, but he slept and dined at the White House.

But Daniels would not say whether or how he used his insider status to lobby for Indiana.

"We made every argument we could think of to every person who mattered or might matter," he said. "We made arguments on the merits."

Former Lt. Gov. Kathy Davis said that saving Crane also was a top priority for the Kernan administration. Daniels, a Republican, defeated Democratic Gov. Joe Kernan in 2004.

That was a crucial year for Crane, Davis said, because the facilities had to provide the information that the Pentagon would use to make its decisions. In addition, Davis said, the final route laid out that year for the proposed Interstate 69 extension included two interchanges to serve Crane. And some \$9 million in state grants were given for projects that boosted Crane's appeal to both the military and the private sector.

This year, the General Assembly voted to guarantee that the land around the facility will not be encroached upon by new businesses or homes, leaving room for the facility to grow.

Indiana's federal lawmakers have steered federal funding to Crane, including \$12.6 million approved last year to consolidate electronics operations facilities.

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**Editorial Articles**



6/2/05

## Newport Chemical Depot

The Facility is being cleaned up under a RCRA permit issued by the Indiana Dept. of Env. Management. Corrective Action has been completed at the majority of identified solid waste management units.

The removal & decom of the former VX plant has started.

The Newport Chemical Agent Disposal Facility started destruction of the VX stockpile on May 5, 2005.

The caustic VX hydrolyate (by product of the VX destruction) will be stored on-site until the disposal issues are resolved.

Gary Miller  
X 2930

**Review of the U.S. Army  
Proposal for On-Site Treatment  
and Disposal of Caustic VX  
Hydrolysate from the Newport  
Chemical Agent Disposal Facility**

**A Report to Congress**

**Prepared by:**

**Department of Health and Human Services  
Centers for Disease Control and Prevention**

**April 1995**



**DEPARTMENT OF HEALTH AND HUMAN SERVICES  
Centers for Disease Control and Prevention**



# SUMMARY

The U.S. Army proposal for caustic VX hydrolysate (CVXH) transportation, treatment, and discharge into the Delaware River has raised concerns and questions about potential impacts on public health and the environment. This report describes the findings from the Centers for Disease Control and Prevention (CDC) evaluation of this proposal. CVXH is the waste product of the hydrolysis reaction of nerve agent VX, water, and sodium hydroxide that will be generated at the Newport Chemical Agent Disposal Facility (NECDF) in Newport, Indiana. The proposal is to transport CVXH from NECDF to the DuPont Secure Environmental Treatment (SET) Chambers Works facility in Deepwater, New Jersey, for secondary treatment and subsequent discharge in the Delaware River. Please note that the term *CVXH* is referred to in some reports as *Newport caustic hydrolysate* or *NCH*.

CDC's review of the CVXH disposal plan examined several critical issues, including (1) potential health hazards associated with the waste produced at NECDF, (2) potential risks associated with transportation of the material from Indiana to New Jersey, (3) ability of the DuPont facility to adequately treat the CVXH in addition to the ability of NECDF to produce caustic VX hydrolysate meeting clearance criteria, and (4) potential ecologic impact associated with discharge of the DuPont-treated material into the Delaware River. Because CDC did not have the expertise to review DuPont's ecologic report, CDC requested assistance from the U.S. Environmental Protection Agency (EPA), Region II. A summary of the results of CDC's evaluation are described below:

- CDC found that the potential human health hazards of the untreated CVXH are associated predominantly with its corrosive and caustic properties and not nerve agent effects, although trace levels of VX and EA 2192 (a degradation product with nerve agent properties) may be present. The toxicity of CVXH does not preclude handling and transportation provided that proper precautions are in place.
- The transportation plan meets Department of Transportation regulations, and precautions in the plan are adequate to protect the public, personnel, and environment.

## Major Findings:

- The potential human health hazards of caustic hydrolysate are associated predominantly with its corrosive and caustic properties.
- The precautions in the transportation plan are adequate to protect the public.
- The DuPont process should be capable of treating the major components of the waste with noted exceptions.
- More information is needed to evaluate the ecological risk of discharge of this waste into the Delaware River.

CDC does not recommend proceeding with the treatment and disposal at DuPont until EPA's noted deficiencies in the ecologic risk assessment are addressed.

- CDC's technical review of the DuPont SET indicated it is a viable process and should be capable of treating the major components of CVXH (see subsequent discussion on phosphonic acids). However, the NECDF VX stockpile utilizes two chemicals (referred to as stabilizers), diisopropylcarbodiimide (DIC) and dicyclohexylcarbodiimide (DCC), added to prevent VX degradation during storage. The data indicate that CVXH produced from DIC-stabilized VX at the 8% agent loading level should meet the Army's clearance criteria for VX and EA 2192 during storage and can be treated at DuPont. The term "loading" refers to the total percentage of VX added to the NECDF process for reaction. Loadings greater than 8% of DIC-stabilized VX or any treatment of VX stabilized with DCC is not recommended until the treatment effectiveness is demonstrated and confirmed. Consequently, only a portion of the Newport VX stockpile currently can be processed to meet clearance criteria.
- The Environmental Protection Agency's (EPA's) analysis indicates that the DuPont risk assessment does not contain adequate information to determine that the aquatic ecologic risk from the discharge of treated CVXH to the Delaware River is acceptable. Further, the EPA expressed concerns that the 20 ppb clearance criterion for VX in CVXH is based "solely on the protection of humans from a drinking water source and may not be protective of aquatic organisms through ingestion or dermal exposure."

In conclusion, while the CDC found that the Army/Dupont proposal was sufficient to address critical issues in the areas of potential human toxicity, transportation, and treatment of CVXH (generated from recommended VX loading and stabilizer), EPA concluded that the information regarding the ecologic risk of treated CVXH discharge into the Delaware River was inadequate.

Consequently, CDC cannot recommend proceeding with the treatment and disposal at the DuPont SET facility until EPA's noted deficiencies are addressed.

## DEPARTMENT OF DEFENSE COMMENTS

The Department of Defense (DOD) has received a copy of the Centers for Disease Control (CDC) report titled "*Review of the U.S. Army Proposal for Off-Site Treatment and Disposal of Caustic VX from the Newport Chemical Agent Disposal Facility*" dated March 2005. The DOD appreciates the opportunity to review and comment upon the report.

We believe that there is a typographical error on the cover and that the report should be titled, "*Review of the U.S. Army Proposal for Off-Site Treatment and Disposal of Caustic VX **Hydrolysate** from the Newport Chemical Agent Disposal Facility.*"

Like the CDC, we believe that safety of the workers, public, and environment is paramount and must be addressed. DOD agrees with a number of the CDC findings and recommendations that support the start of agent destruction operations at Newport and subsequent transport to a commercial treatment, storage, and disposal facility (TSDF). These include:

- 1) Destruction of the DIC-stabilized agent can proceed forward at an 8% percent loading.
- 2) The potential hazard of the caustic hydrolysate is predominantly associated with its corrosive and caustic properties and not nerve agent effects.
- 3) The corrosive and caustic hazards of the hydrolysate do not preclude handling or transportation and the precautions in the transportation plan meet the Department of Transportation regulations to safely protect the public, personnel, and environment.
- 4) The DuPont Secure Environmental Treatment process is capable of treating the major components in the caustic hydrolysate wastewater.

The DOD recently completed tests on the VX drawn from the stockpile stored at Newport. These tests confirm that the same criteria used to clear 8 % DIC-stabilized VX were met for the entire stockpile and that the issues associated with the DCC stabilized agent or the blended DIC/DCC stabilized agent have been addressed. Additionally, the total quantity of the stockpile that is stabilized with DIC is 60%. The detailed results from these tests are being furnished to CDC to update previously submitted data and address the concerns they have identified in their report.

Early last month the DOD provided a copy of DuPont's phosphonate removal technology report to the CDC for review. The concerns raised by the EPA regarding the contribution of treated caustic hydrolysate to the ecological risk to

the Delaware River are noted, and the DOD will work with the CDC and EPA to address these concerns.

Based on the results of the treatability studies, the DOD is convinced that the pretreatment process developed by DuPont will address potential data gaps raised by the EPA in its findings and address concerns raised over the past year by members of the public.

The DOD appreciates the professionalism and thoroughness of the CDC in completing this study and look forward to working with the CDC scientists to address their concerns.