

DRAFT 5 Feb 04

Pine Bluff Arsenal

**The Army Basing Study Group
(TABS)**

**Site Familiarization Briefing
10 February 2004**

**MR. LARRY E. WRIGHT, PE
CIVILIAN EXECUTIVE ASSISTANT**



- UNCLASSIFIED -

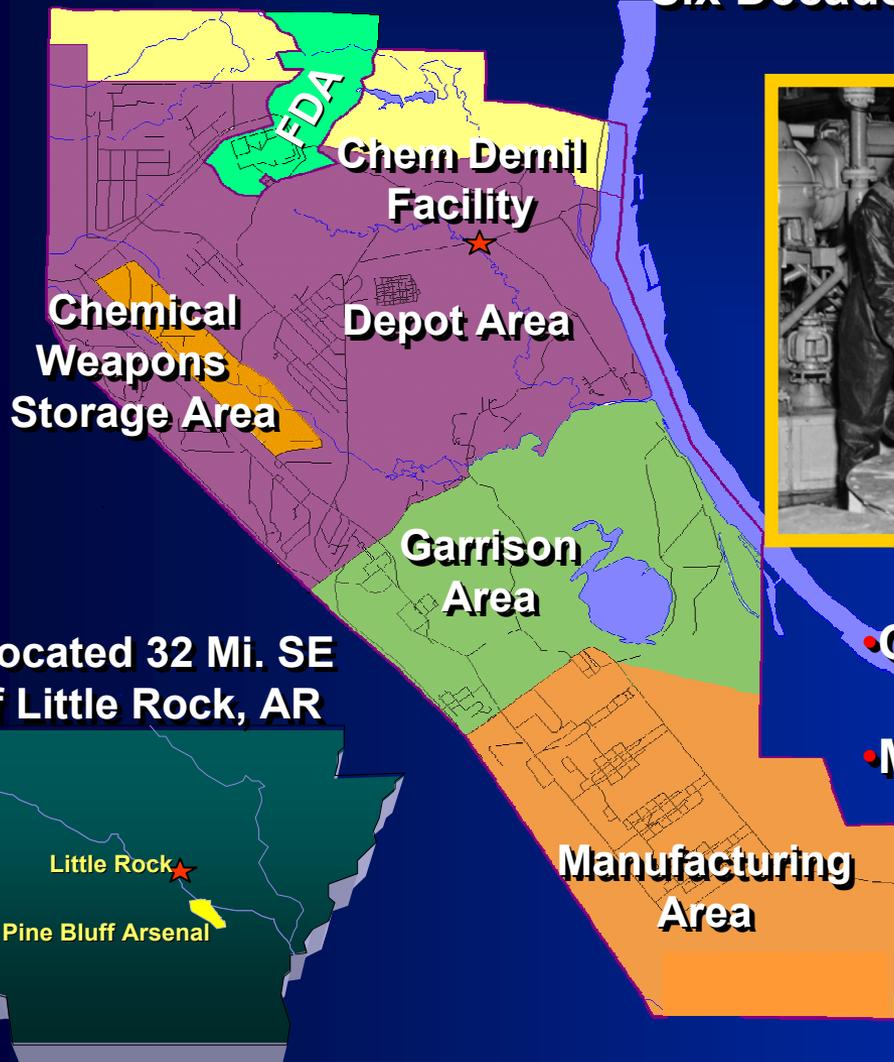
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AMC - ESSENTIAL IN PEACE. INDISPENSABLE IN WAR

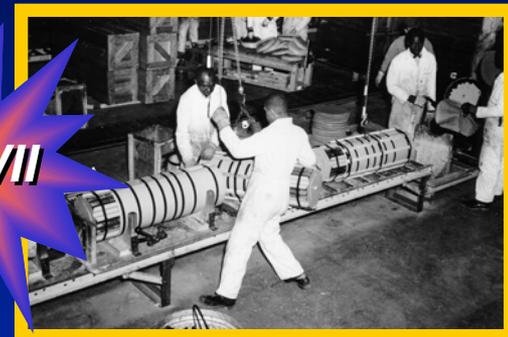
Pine Bluff Arsenal, Arkansas



- Established November 1941
- Six Decades of Chemical / Biological Expertise



- Located 32 Mi. SE of Little Rock, AR



- Only Active Army Installation in Arkansas
- Mission:
 - Produce, Store, & Maintain Ammo & Chem/Bio Defense Materiel
 - Chemical Stockpile & Non-Stockpile Storage and Demilitarization Programs



Joint Production & Maintenance Flexibility

Ammunition – Army, Marine Corps & Air Force

- White Phosphorus
- Red Phosphorus
- Incendiary
- Riot Control
- Illumination & IR
- Colored Smokes

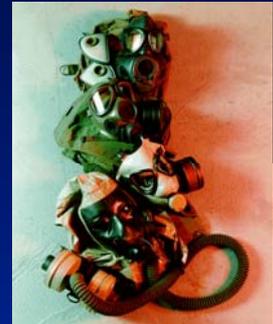


Sole Supplier: Phosphorus, TA & HC Based Smoke Munitions

Source: Army Transformation Industrial Base Study, p. 91

Chem/Bio Defense – Army, Marine Corps & Navy

- Sole Joint Service Capability
- Individual Protective Equipment
- Collective Protection Systems
- Decontamination
- Detection & Alarms
- Critical Reagents & Bio Defense



Only Organic DoD Facility with Chem/Bio Production and Rebuild Capability

Source: Army Transformation Industrial Base Study, p. 90

Strategic Location

- Adjacent Rail & Interstate Systems
- 42 Mi. to National Airport (Little Rock)
- Close Proximity to Little Rock Air Force Base (Largest C-130 Fleet – 314th Airlift Wing)
- 3 Hrs to FedEx International Hub (Memphis)
- Excellent Deployment Network



Storage & Surveillance – Quality Evaluation Facility

- 194 Conventional Storage Igloos *
- 181 Magazines
- 78 Warehouses
- 1.3M Sq. Ft. Storage Capacity

*** Note: 77 Additional Igloos Available Upon Completion of Stockpile Disposal in 2009**





- Complete Program in Less than a Year
- Perform Flight Demonstration of a Prototype Weapon

CRASH PROMPT AGENT DEFEAT (CRASHPAD)



Goals:

- Deliver 10 weapons in 6 months
- Perform a flight demonstration of a modified Mk-84 prototype weapon
- Provide warfighter with reach back capability enabling them to weaponize and determine collateral effects for weapon employment
- Quantify Collateral Effects of prototype versus high explosive baseline weapon



Military Value – Jointness

JPEO-CBD

Joint Service Chem/Bio Defense Programs at Pine Bluff Arsenal

-  Rebuild/ Recondition M40A1 Field and M42A2 Combat Vehicle Protective Masks.
-  Produce M45 Aviator Protective Masks.
-   Manufacture Chem/ Bio Protective Filters (M48A1, M56, M49).
-  Manufacture M291 Skin Decontamination Kit.
-  Manufacture M295 Equipment Decontamination Kit.
-  Manufacture M100 Sorbent Decontamination System (SDS) for Equipment.
-  Upgrade M12A1 Large Area Decontamination System.

 = SOLE CAPABILITY

 = SOLE BACKUP

Military Value – Responsiveness

Operation Iraqi Freedom



Frontline Forward

Feb. 26, 2003 3

1st time in theatre ...

CBPS operates on threshold of future



Chemical/Biological Protective Shelter (CBPS)

Urgent Fielding: Modify, Prepare for Shipment, and Provide Theater Technical Support with Civilian Technician

Response Milestones:0

Urgent Request -Dec 02

Initial Fielding – Jan 03

Total Units Fielded: 106

30 Day Response



M12A1 Decon Apparatus:

Urgent Maintenance: Upgrade and Modernize Entire M12A1 Fleet

Response Milestones:

Prototype - Sep 02

First Article - Oct 02

Surge Production - Dec 02

Total Units Fielded: 153

30 Day Response



M291 Skin Decon Kit

Surge Production: Increase Capacity to Meet Surge Demand

Response Milestones:

Surge Request -Dec 02

150% Capacity – Dec 02

72 Hour Response



Chemically Protected Deployable Medical System (CPDEPMEDS)

Urgent Fielding: Repair and Prepare for Shipment

Response Milestones:

Urgent Request -Dec 02

First Units – Jan 03

Complete – Mar 03

Total Units Fielded: 7

30 Day Response

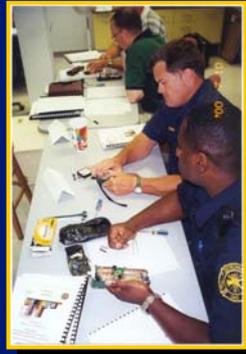


Pine Bluff Arsenal

Homeland Security Interagency Support Mission

Domestic Preparedness Equipment Technical Assistance Program

- Provide WMD Equipment Training and Technical Support to First Responders
- 15,000 Sq. Ft. Facility
- 11 Mobile Teams
- \$15.2M/Yr Program
 - Encompasses all U.S. States and Territories



Prepositioned Equipment Program

- Ensure Operational Readiness of Homeland Security Storage Sites (11 Planned)
- Includes QA, Inspections, Exercises and Technical Assistance



Clara Barton Center

- 6,000 Sq. Ft. National Training Center for American Red Cross
- Provides One Week Curricula on Chem/Bio Weapons of Mass Destruction



Homeland Defense Equipment Reuse Program

- Provide Surplus Radiological Detection Equipment and Training for First Responders
 - \$1.5M Program
 - Encompasses all U.S. States and Territories





Military Value – Relevant & Exclusive Capability

	Total PBA Capability	Items Considered Critical Go-to-War	Items with No Industry Capability or Interest*	RCRA Permits Required	Air Permits Required
Ammunition					
White and Red Phosphorus	15	10	14	✓	✓
Colored Smoke	22	7	21	✓	✓
HC and TA Smokes	11	4	11	✓	✓
Illum and IR	8	8	7	✓	✓
Non-Lethal and Riot Control	3	3	3	✓	✓
Other	5		1	✓	✓
Ammo Totals	64	32	57		
Chem/Bio Defense					
Manufacturing	6	4	2	✓	✓
Soldier Support	3				✓
Maintenance/Surveillance					
Masks	10	5	8		✓
Testers	8		8		
Other	11		8		
Chem/Bio Defense Totals	38	9	26		

Bottom Line: 102 Total Products
 One-of-a-Kind Capability Environmental Capacity
 Rapid Flexible Response Life-Cycle Management

***Providing Industrial Base Capability for 83 Commodities that are Unavailable in Private Sector**
 (Source: Army Transformation Industrial Base Study)



Pine Bluff Arsenal Environmental Profile

▲ DSERTS Sites*

- 74 Sites
 - 22 Active ER,A Eligible Sites (receiving funding)
 - 9 Awaiting CMS Finalization (no funding)
 - 43 Response Complete ER,A Eligible

Other Environmental Attributes

- Non NPL and is Under RCRA & Corresponding State Regulations
- 39 Archaeological Sites (0.001 Acres Each)
- 1500 Acres of Wetlands
- No Endangered Species

*Defense Site Environmental Restoration Tracking System



■ RCRA Permitted Waste Management Facilities

- 1 = 1983 Hazardous Waste Landfill (Closed)
- 2 = 1986 Hazardous Waste Landfill
- 3 = Liquid Waste Storage Facility
- 4 = Chemical Munition Agent Storage
- 5 = Chemical Stockpile Disposal Facility
- 6 = Open Burning Area
- 7 = Solid Waste Storage Facility
- 8 = Surface Impoundment
- 9 = Open Detonation Area
- 10 = Phosphorus Storage Facility
- 11 = Incinerator Complex Facility (Non Haz)
- 12 = Waste Container Magazine
- 13 = Waste Volume Reduction Unit
- 14 = 90 Day Accumulation Site

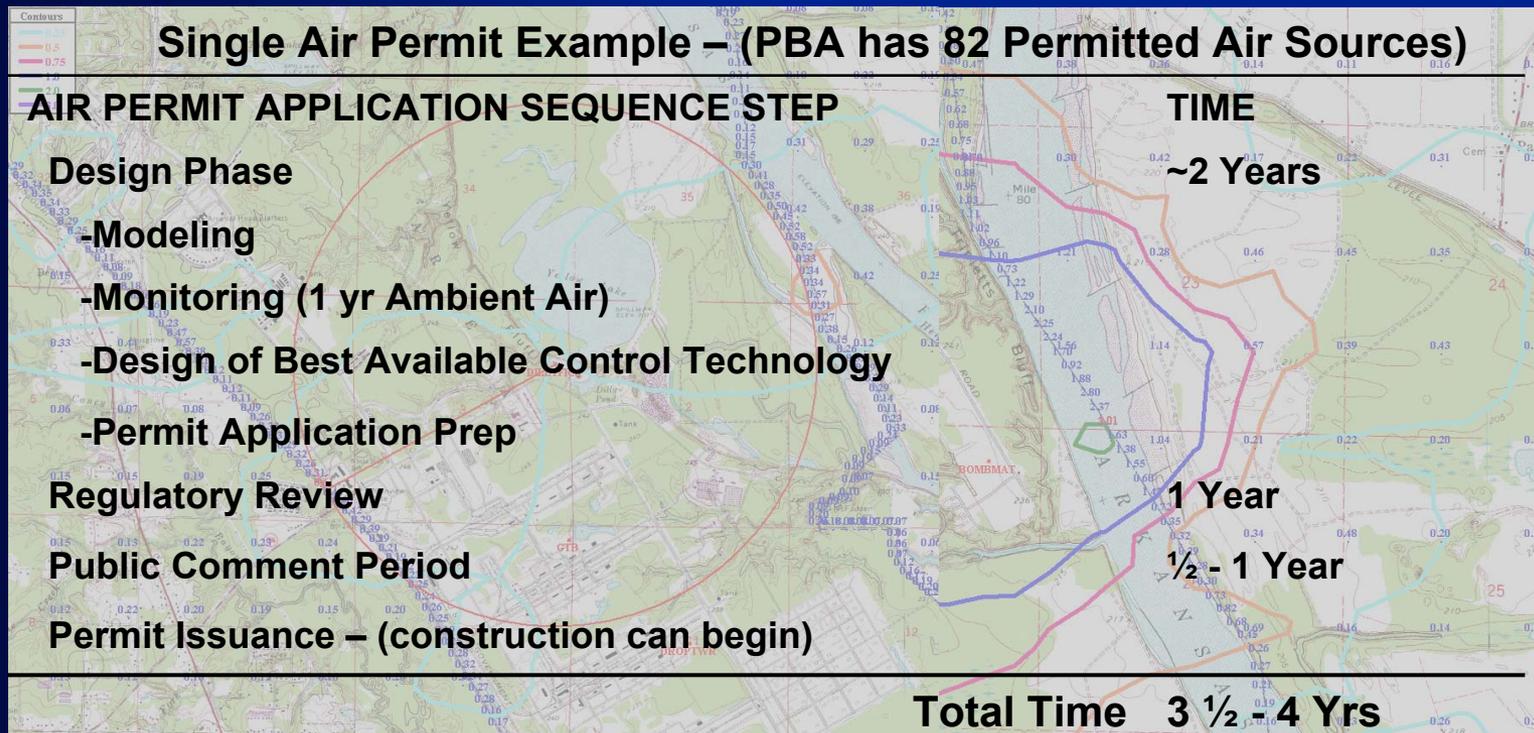
Air Permits

• 82 Air Sources



Pine Bluff Arsenal Environmental Permit

- Environmental Permitting Regulations vary by State and source – Air, Land, or Water
- ALL Environmental Permits are SITE SPECIFIC
- PBA Is Categorized As a Major Stationary Source Under the Prevention of Significant Deterioration (PSD) Regulations (Air Emissions > 100 Tons/yr)
- Facilities Constructed Prior to 1977 are “Grandfathered” into Air Permits Under the PSD Regulations
- Relocation of the Permitted Emission Sources Negates Grandfather Clauses and Requires Full Permitting Procedures





Pine Bluff Arsenal Installation and Regional Profile

Pine Bluff Arsenal Population – 2615

- **Government – 1366**
 - Industrial Ops – 845 Civ, 159 CSDF, 5 NAF, & 2 Mil
 - Tenants - 262 Civ, 42 Mil
- **Contractor Population – 1249**
 - Chemical Demil Support – 852
 - Other Contractor Support – 397

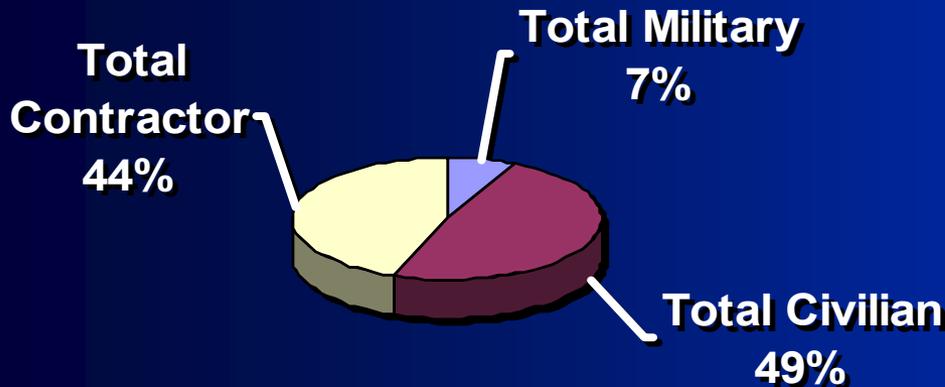
Pine Bluff Regional Population

- **Pine Bluff MSA – 84,278**
 - Median Age – 35.1 years
- **Little Rock MSA – 572,055**

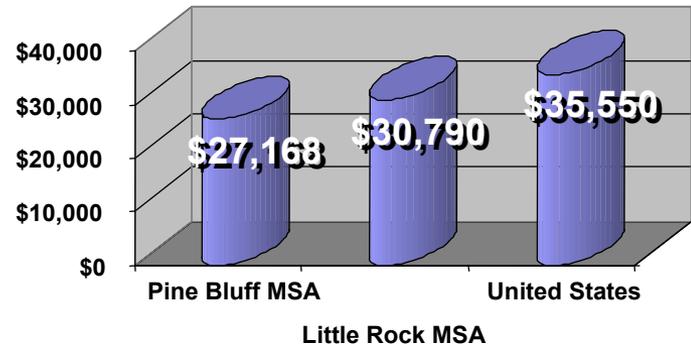
Population in Specific Industries:

- **Manufacturing – 20%**
- **Health & Soc Science – 22%**
- **Retail – 12%**

Top Employer in Southeast Arkansas



Average Annual Wage Per Job 2001



Source: U.S. Bureau of Economic Analysis



Pine Bluff Arsenal

DoD Tenant Profile

Tenant	Core	Mission	Civ	Mil	Ktr
Pine Bluff Chemical Activity (AMC)	✓	Provide Command and Control for Chemical Weapon Storage and Demilitarization	177	3	8*
U.S. Army Health Clinic (MEDCOM)		Provide Medical Support for Chemical Mission and Occupational Health Services for Civilian Employees	12	8	2
Company E, Technical Escort Unit (AMC)		Deploy Worldwide to Conduct Chemical, Biological, Radiological and Industrial Hazard Operations in Support of DoD, Local, State and Federal Agencies	36	14	
Little Rock District Corps of Engineers		Provide Centralized Construction Management Services	3		60

* Chemical Demil Contractor Support



Pine Bluff Arsenal

DoD Tenant Profile (Cont'd)

Tenant	Core	Mission	Civ	Mil	Ktr
Pine Bluff Chemical Agent Disposal Facility Field Office (AMC)	✓	Provide Centralized Management for Demilitarization Chemical Stockpile	8		769*
Product Manager for Non-Stockpile Chemical Materiel Field Office (AMC)	✓	Provide Centralized Management for Disposal of Non-Stockpile Chemical Materiel	2		75*
752nd EOD (FORSCOM)	✓	Support Combatant Commanders, Military Installations and Provide Regional Support to Civil Authorities		17	
Army / Air Force Exchange Service		Operate Army / Air Force Exchange Service Store	3		
Civilian Personnel Advisory Center		Provide Personnel Advisory Services for Civilian Employees	5		
Robert Morris Acquisition Center (AMC)		Provide On-Site Acquisition Services	16		

* Chemical Demil Contractor Support



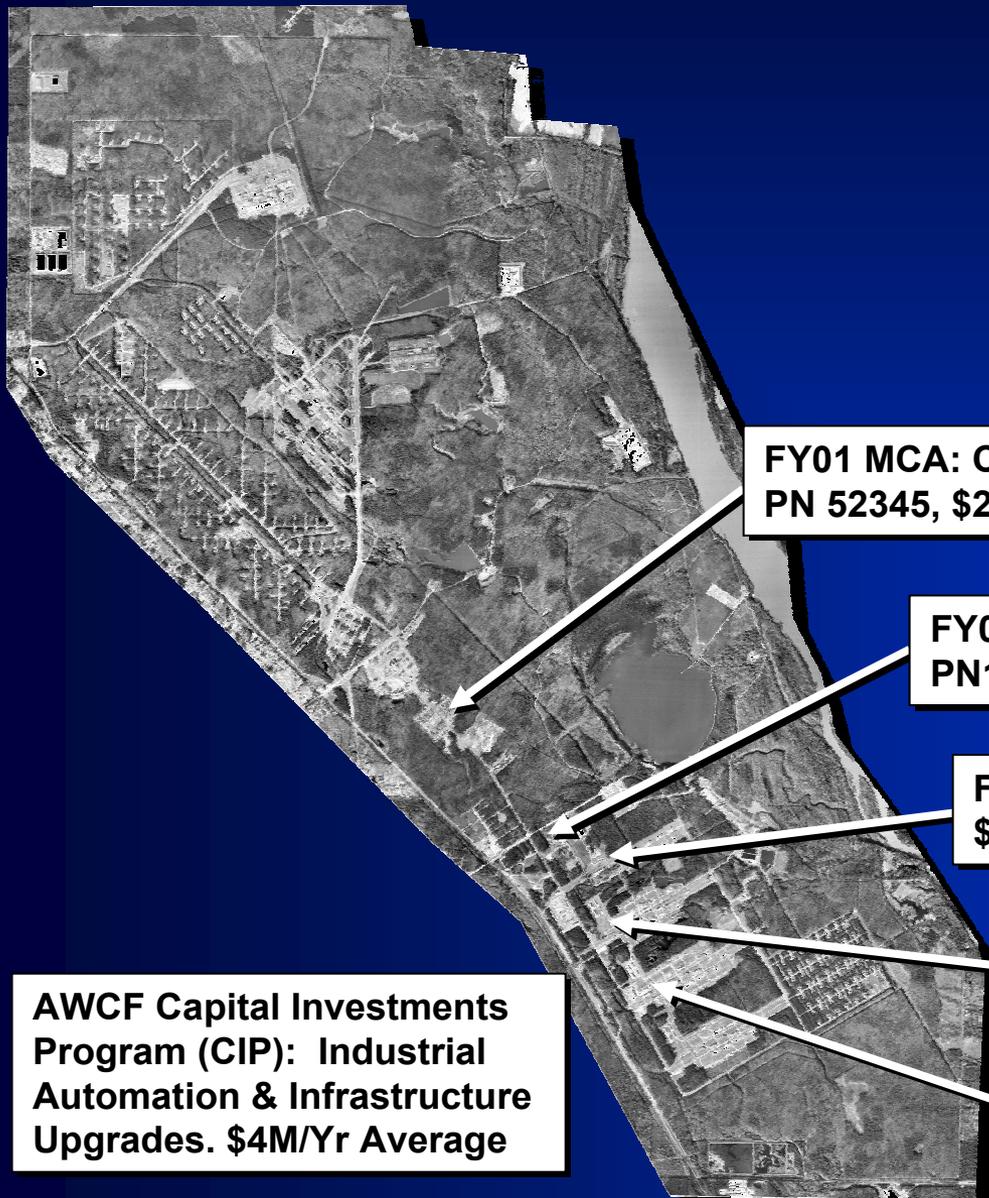
Pine Bluff Arsenal

Non-DoD Agency and Reserve Support

Agency/Function	Mission	Civ	Ktr*	PBA Support
Homeland Security	First Responder Training – Equipment Use & Maint. Prepositioned Equipment Surveillance Red Cross National Training Center	2	132	Program Management, Technical Oversight, BASOPS Support
FDA Support	National Center for Toxicological Research (NCTR) Arkansas Regional Compliance Laboratory	240 61	300	Police & Fire Services, Utilities, Environmental Support, & Facility Minor Repair
Reserve Training	Trains Approximately 200 RC Annually Training Includes Equipment & Sustainment Training (Certifies Active Army, Army Reserve and Army National Guard personnel to serve as unit level NBC Officer / NCO via 10 – Two week courses)		3	Contract Management, Technical Oversight, & BASOPS Support



Pine Bluff Arsenal Master Plan



	Funded FY00 - 03	Approved FY04	FYDP FY05 - 09
AWCF CIP	\$11.6M	\$8.5M	\$27.4M
MCA	\$20.7M	\$0	\$2.45M
PAA	\$0	\$24.3M	\$0
MIIF/LIF	\$5.3M	\$1.4M	\$2.7M

**FY01 MCA: Child Development Center
PN 52345, \$2.75M (Complete)**

**FY01 MCA: Quality Evaluation Facility
PN12917, \$18M (Under Construction)**

**FY04 PAA: White Phosphorus Upgrades
\$24.3M (Under Design)**

**FY05 MCA: Warehouse Replacement
PN 61586, \$1.2M (Under Design)**

**FY09 MCA: Controlled Humidity Warehouse
PN 3001, \$1.25M (1391 Completed)**

**AWCF Capital Investments
Program (CIP): Industrial
Automation & Infrastructure
Upgrades. \$4M/Yr Average**

Force Protection - MEVAs



Status: FPCON Charlie
• 28 Mission Essential Vulnerable Areas (MEVAs)
• DoD Civilian Guard Force

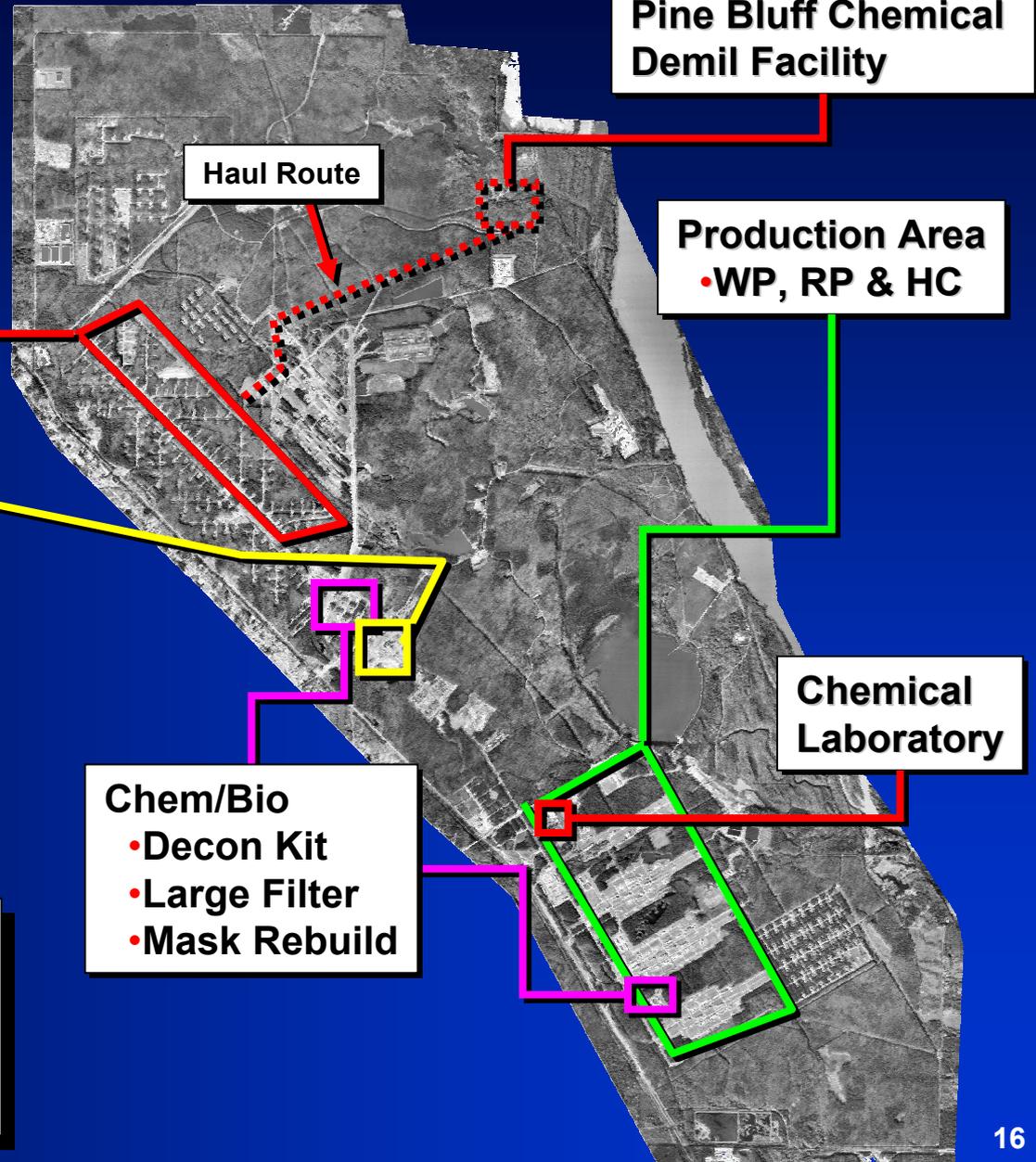
Chemical Storage Area
• Internal FPCON Delta

Emergency Operations Center
• Overpressure Capable

Chemical Site Defense Force
159 Soldiers



- 1/160th Field Artillery
- 245th Engineering Company
- 212th Signal Battalion





Force Protection Access Control

Restricted Level / Area	Access Procedures
<p>Controlled</p> <ul style="list-style-type: none"> • Installation-Wide • Internal Ammo Manufacturing Areas / Chemical Laboratory 	<ul style="list-style-type: none"> • 5 Exterior Gates • Badge / Vehicle Decal • Badge Designations
<p>Limited</p> <ul style="list-style-type: none"> • Chemical Agent Munitions Storage Areas 	<ul style="list-style-type: none"> • Entry Control Roster • Exchange Badge System
<p>Exclusion</p> <ul style="list-style-type: none"> • Resides within Limited Area <ul style="list-style-type: none"> - Storage Structures - TCY 	<ul style="list-style-type: none"> • Structure IDS • Double High Security Locks • Exchange Badge System • 2-Person Rule

- Permanent No-Fly Zone Enforced by FAA



Pine Bluff Arsenal Infrastructure

- **13,500 Acres**
- **675 Buildings**
- **194 Conventional Igloos**
- **77 High Security Igloos**
- **3.74M Sq Ft Real Property**
- **113.8 Miles of Surfaced Roads**
- **37.5 Miles of Unsurfaced Roads**
- **34 Miles of Railroad Track**

UTILITY	CAPACITY	FY 03 USAGE	% OF CAPACITY
Raw Water	1.7 MGD	693.2 KGD	40.77%
Treated Water	1.4 MGD	638.77 KGD	45.63%
Electrical Systems	22.5 MVA	11.1 MVA	49.33%
Natural Gas	1,110,330 MMBTU	544,523 MMBTU	49.04%
Steam	2,566,800 MBTU per day	846,373 MBTU per day	32.97%
Plant Air	6920 CFM	1123 CFM	16.23%
Sanitary Sewer	3 MGD	469.62 KGD	15.65%
Industrial Sewer	936 KGD	101.3 KGD	10.83%

FIBER OPTICS	PHONE/FAX	EXCHANGE SERVER	CELL PHONE SIGNAL STRENGTH
57 - 6-Strand (Minimum in Populated Building)	2 Switches	Supports 883 Inboxes	Excellent - 50%
21 - 12-Strand	1800 current Circuits with Maximum Capacity > 20,000	Capable of Supporting 1300 Inboxes	Good - 32%
12 - 24-Strand		Utilizing 33% Current Disk Space	Adequate - 11%
1 - 48-Strand			Marginal - 2%

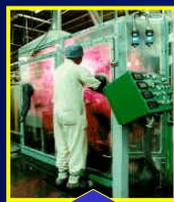
Metered across the Installation



Pine Bluff Arsenal Critical Infrastructure

Critical & Unique Skills

- Chemical Plant Operators
- Chem/Bio Equipment Repairers
- Toxic Material Handlers
- Flexible Workforce is Cross Trained
 - Accommodates 'Fluid' Production Scheduling
 - Optimizes Labor Utilization
 - Enables Diverse Mission Execution



WP Fill Plant

M12A1 Decon System



Large Filter Production



Economical & Timely Production of Short Run Low Volume Military Materiel

Regulatory Capacity

Military Value – Relevant & Exclusive Capability

	Total PBA Capability	Items Considered Critical Go-to-War	Items with No Industrial Capability or Interest	RCRA Permits Required	Air Permits Required
Ammunition					
White and Red Phosphorus	15	10	14	✓	✓
Colored Smoke	22	7	21	✓	✓
HC and TA Smokes	11	4	11	✓	✓
Illum and IR	8	8	7	✓	✓
Non-Lethal and Riot Control	3	3	3	✓	✓
Other	5		1	✓	✓
Ammo Totals	64	32	67		
CB Defense					
Manufacturing	6	4	2	✓	✓
Soldier Support	3				✓
Maintenance/Surveillance					✓
Masks	10	5	8		
Testers	8		8		
Other	11		8		
CB Defense Totals	38	9	24		

Bottom Line: 102 Total Products
 One-of-a-Kind Capability Environmental Capacity
 Rapid Flexible Response Life-Cycle Management
 Providing Industrial Base Capability that is Unavailable in Private Sector

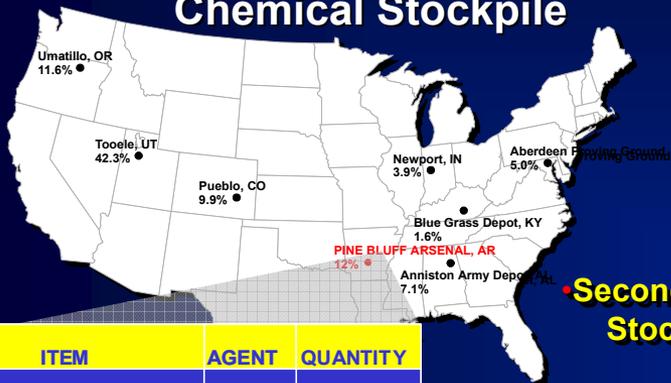
- Unmatched Environmental Capacity
 - 14 RCRA Permitted Activities
 - 80K CY Available Landfill
 - 1.9M Gal. Liquid Storage Capacity
 - Highly Flexible Title V Operating Air Permit – 82 Permitted Sources
 - Exceptional Regulatory & Community Relations



Pine Bluff Arsenal

Critical Infrastructure: Chemical & Biological Expertise

Chemical Stockpile



- **Biological Operations from 1953 - 1969**
- **BZ Demil Program– 1984-1990**
- **Binary Production – \$550M Operation from 1979 - 1980**

Second Largest Stateside Stockpile

ITEM	AGENT	QUANTITY
M55 ROCKETS	GB VX	90,321 19,582
M23 LANDMINES	VX	9,378
TON CONTAINERS	HD/HT	3,698

Demil Schedule

Contract Award	1997
Construction Complete	2002
Systemization	2003
Operations	2004
Closure	2009

CSEPP

- **Ensure Public Safety through On and Off-Post Emergency Preparedness Programs**
- **Fulfill U.S. Obligations Under Chemical Weapons Convention**
- **Will Assume Responsibility for Chem Demil Facility when Agent Operations Commence**

Non-Stockpile



Only Permitted Receipt Point East of the Rockies



- **Spring Valley, MD**
- **Jackson, MS**
- **Raritan, NJ**

Treaty Compliance & Training

- **Chemical Weapons Convention**
 - Prohibits use of Chemical Weapons
 - Requires Destruction of Chemical Weapons and Production Facilities
- **Preferred Site for International Inspection Team Training**





Pine Bluff Arsenal

Critical Infrastructure: Unique Facilities

White Phosphorus Facility



- Sole Capability in Western Hemisphere
- \$32M Modernization Project
 - \$1.5M FY02 Appropriations for Equipment Design
 - \$6.5M FY03 Appropriations for Final Design & Ph. I Equipment
 - \$24M FY04 Senate Authorization for Ph. II Equipment

Quality Evaluation Laboratory



- \$18M FY01 MCA Project
- Replaces Existing Obsolete Facilities
- Essential Component to Surveillance Testing of Chemical Defense Equipment

Pyrotechnic Test Facilities



- Engineering & Development
- Rapid Prototyping
 - Producibility
 - Concurrent Engineering



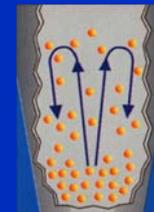
Phosphorus Test Basin

- Contained Run-Off Water Treatment for Phosphorus Munitions Testing



Pyrotechnic Mix Facilities

- Fluidized Bed Granulation Technology
- Capable of Mixing 800 to 1100 lb Batches
- Tight Particle Size Control & Homogeneous Mixing
- Three Glatt Units Operational

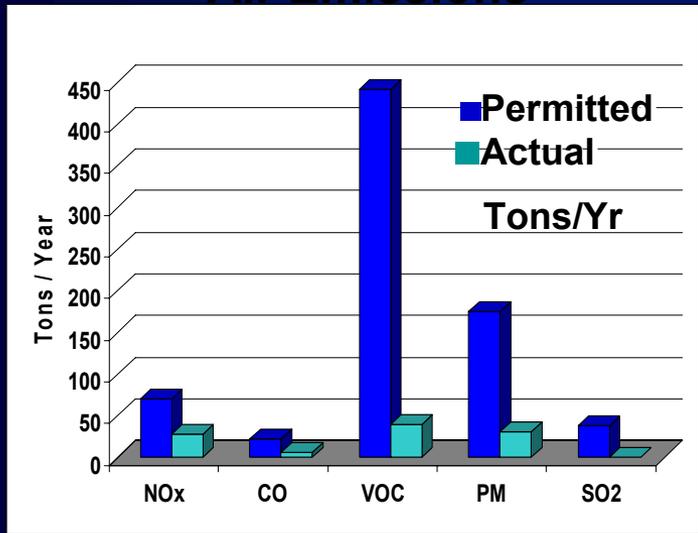




Pine Bluff Arsenal

Regulatory Capacity: Expansion Opportunities

Permitted vs. Actual Air Emissions



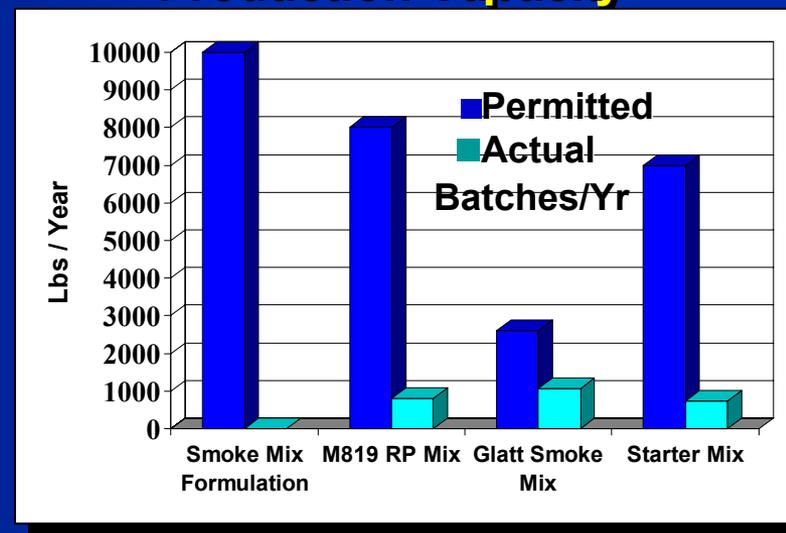
Solid/Hazardous Waste

- Permits for HW Treatment, Storage & Disposal Accommodate Surge
- OB/OD Capacity of 2000 lb/day
- Solid Waste Incinerator on Site
- Landfill Capacity of 80,000 CY

Clean Air Act

- Current Permits Allow for Concurrent Surge Operations of All Facilities
- Title V Air Permits Underway – Will Allow Greater Flexibility for New Operations while Maintaining Surge Capacity
- PBA has Proven Experience with Complex Environmental Permitting Issues

Permitted vs. Actual Production Capacity





Pine Bluff Arsenal

Production and Storage: Expansion Opportunities

Chem Demil Facility Reuse

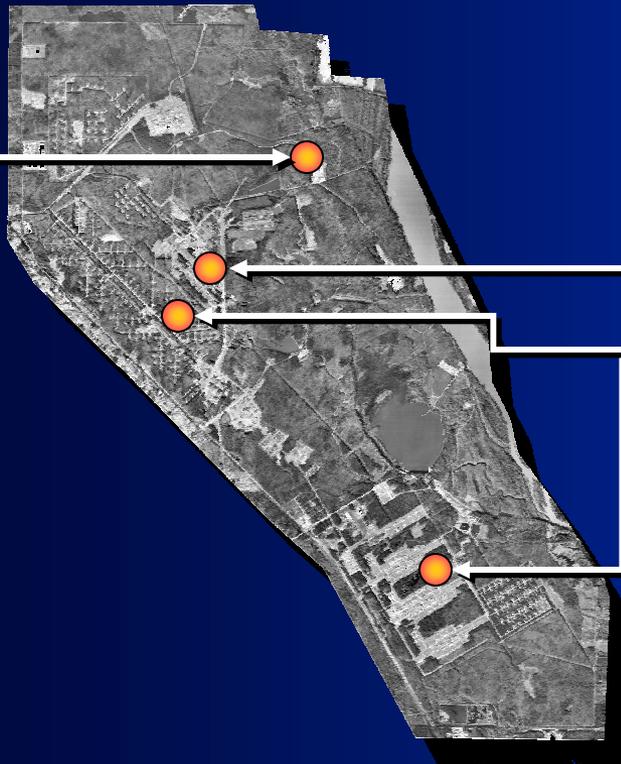
- Maintenance Facilities
- Laboratory
- Non-Stockpile
 - Flexible Recovery
 - Portable Facility

Chem/Bio Defense Production & Storage

- 70,000 Sq. Ft. Available for New Production
- 197,000 Sq. Ft. Could be Allocated for Additional Chem/Bio Defense Storage

Ammo Mix, Fill, LAP & Storage

- 89,000 Sq. Ft. [15 Buildings] Could Be Allocated for New Mix & Fill Operations
- Additional Load, Assemble & Pack (LAP)
Capacity:
 - 60mm & 81mm Mortar 195,000/Yr
 - 120mm Mortar 123,000/Yr
 - 105mm Mortar 288,000/Yr
 - 155mm Projectile 228,000/Yr
- 200,000 Sq. Ft. Igloo Capacity Available after Chem Demil – High Security Storage

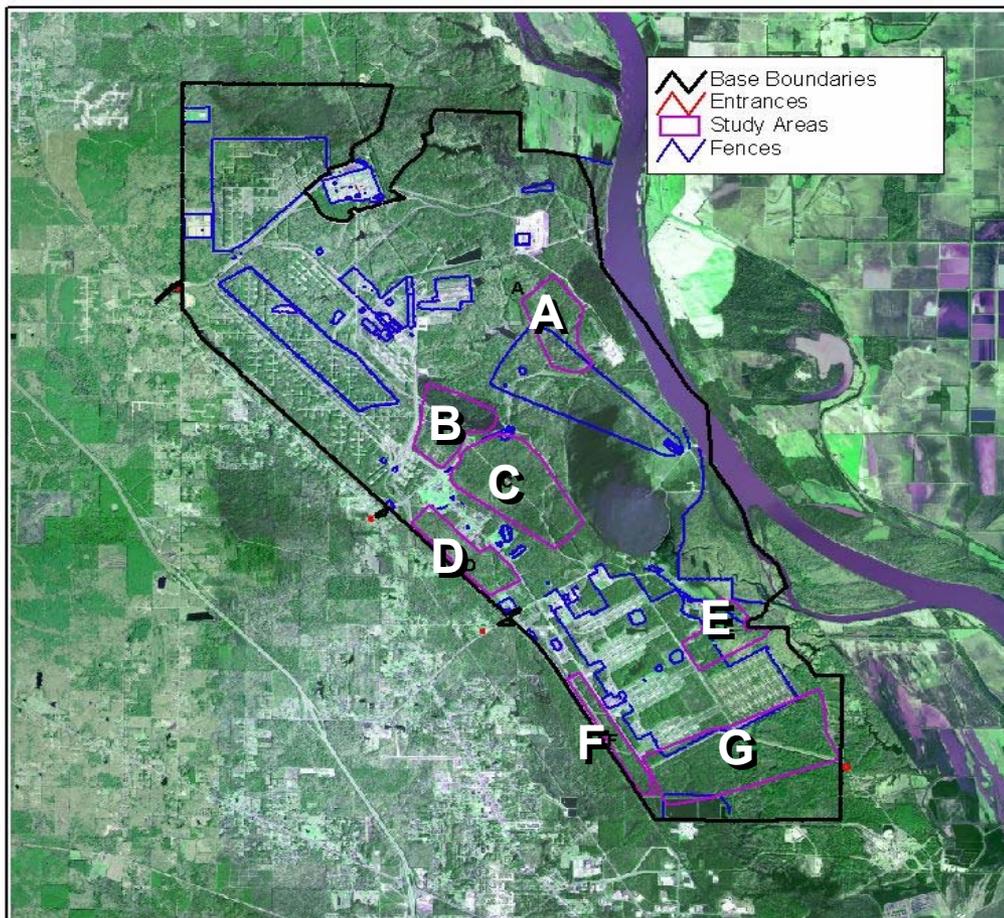




Pine Bluff Arsenal

Land & Facilities: Expansion Opportunities

Potential Sites at Pine Bluff Arsenal: Aerial View



- 5053 Total Developable Acres*
- 2005 Prime Developable Acres in 7 Available Sites
- Sewer, Electric and Gas Available
- All Prime Sites are in Close Proximity to Gates

Site A	237 acres
Site B	242 acres
Site C	501 acres
Site D	203 acres
Site E	176 acres
Site F	133 acres
Site G	723 acres

* Source: BRAC 95 Data Analysis & Booz/Allen/Hamilton Arsenal Support Program Initiative Business Plan



Pine Bluff Arsenal

FY 2003 Accomplishments

- **Celebrated 60 Years of Production**
- **Received the Arkansas Quality Achievement Award**
- **Received the 2003 Ernest Gregory Internal Review Award of Excellence**
- **Surged to Support Operation Iraqi Freedom**
 - 10 Ammunition Commodities
 - 9 Critical Chemical & Biological Defense Commodities
- **Improved Quality of Life**
 - Dedicated New Child Development Center on May 29, 2003
 - Opened Chemical Site Defense Force (CSDF) Food and Laundry Service in June 2003
- **Completed Chemical Demilitarization Facility Construction and Initiated Trial Burns**
- **Commenced Assessment, Decontamination and Demolition Operations for the Non-Stockpile Program**



Pine Bluff Arsenal

Economic impact



- **Annual Payroll - \$93 Million**
- **Annual Procurement - \$67 Million**
- **Annual Airport Departures**
 - 910 Airline Tickets @ \$270,000
 - 2,300 Fedex Shipments
- **Annual Shipments**
 - 2,900 Tons Shipped
 - 4,900 Tons Received
- **Disaster Assistance**
 - April '97 Tornado
 - West Helena Chemical Plant Incident
 - EOD Response to Bomb Threats
- **United Way - \$135K in FY03**





Pine Bluff Arsenal's Focus on the Future

Bioplex

A 1500 Acre Government / Private Partnership
High Technology / Biotechnology Industrial Park

Pine Bluff Chemical Disposal Facility
Community Supports Reuse Plan to Retain
Expertise and Facilities

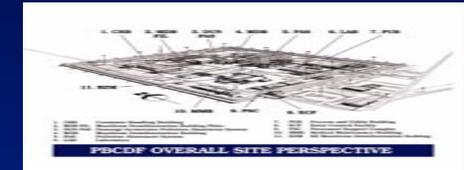
Strategic Logistics Upgrade
A \$6M MCA Program to Modernize PBA's
Aging Transportation Infrastructure

Child Development Center
A \$2.7M School Age Child Care Facility for
Military Dependents and DoD Civilians

White Phosphorus Recapitalization
~\$30M Project to Revitalize PBA's
Production Facility

Quality Evaluation Facility
An \$18M Chemical & Biological
Defense Equipment Surveillance
Testing Facility

Clara Barton & DPETAP Training Facilities
Training Programs for American Red Cross
and Department of Homeland Security





Flagship Installation

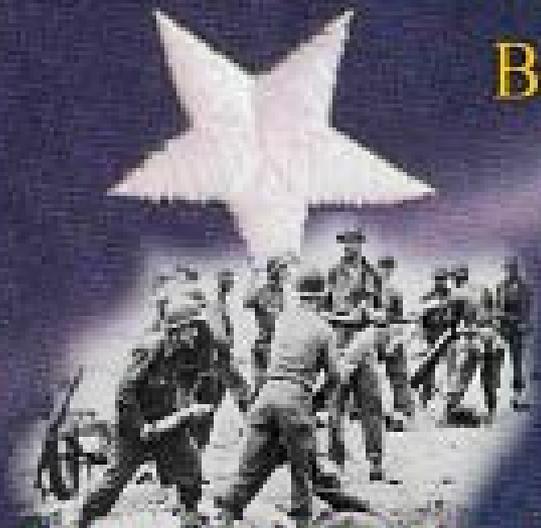


Joint Force Provider



PINE BLUFF ARSENAL

Bridge to the Future Force



Stable & Predictable



Trained & Equipped



Relevant & Ready



Pine Bluff Arsenal Ammunition Manufacturing Support To Operation Iraqi Freedom

	<u>End Item</u>	<u>Quantity</u>
✓	Grenade Yellow Smoke M18	124762
✓	Grenade Red Smoke M18	1808
✓	M90 Grenade for LVOSS	56976
✓	Proj 60MM WP Smoke	8606
✓	Smoke Pot Training M8	6227
✓	Ctg 120MM M930 ILLUM	2016
✓	Parachute Assembly f/60MM Mortar	3330
✓	Parachute Assembly f/81MM Mortar	433
✓	Parachute Assembly f/120MM Mortar	700
✓	Parachute Assembly f/155Mm Proj	5



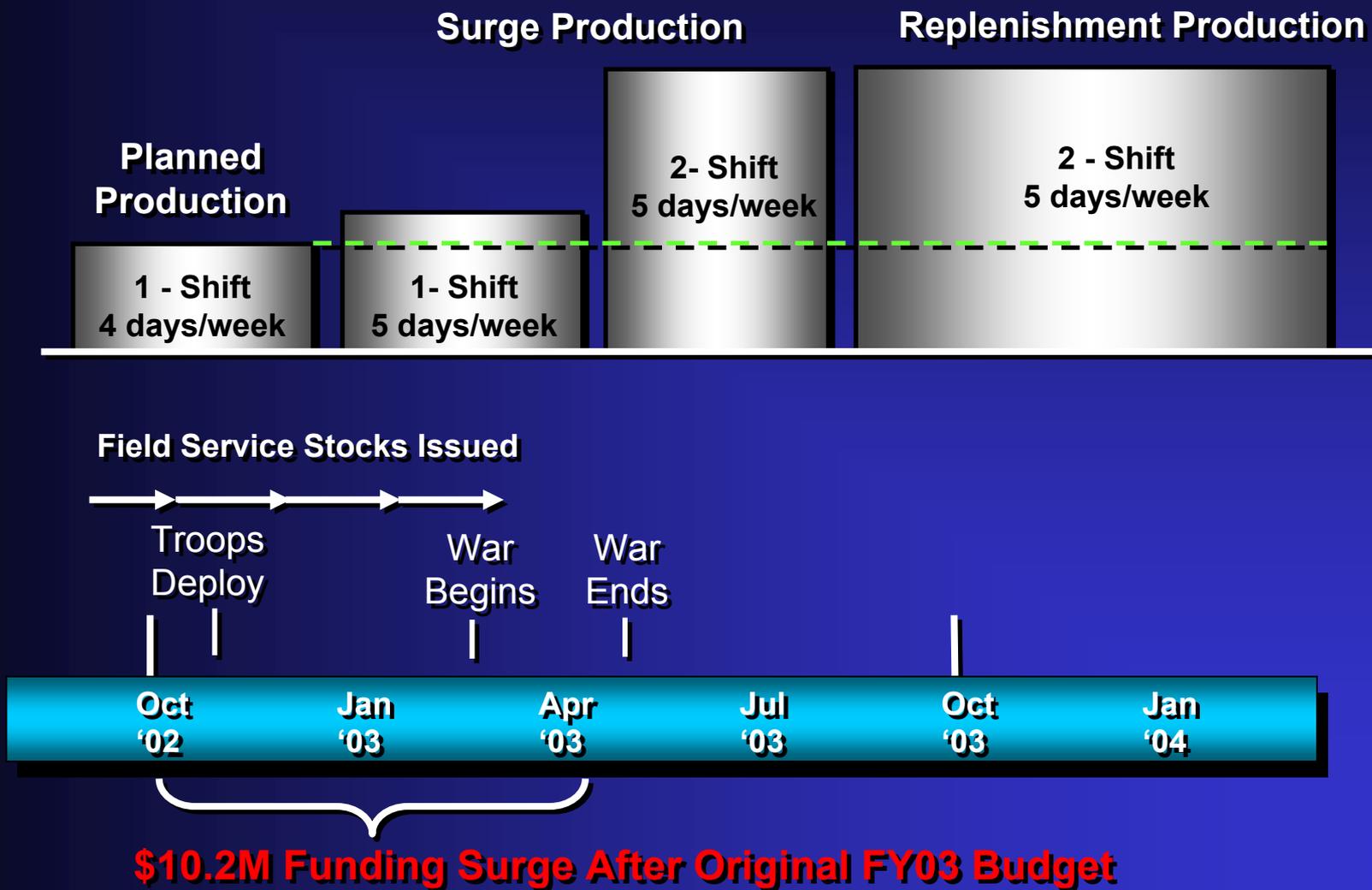
Pine Bluff Arsenal Chemical & Biological Defense Support To Operation Iraqi Freedom

End Item	Quantity
✓ M291 Skin Decontamination Kit	20978
✓ M295 Equipment Decontamination Kit	4418
✓ M48 Protective Mask	4220
✓ M8A1 Alarm	52
✓ M45 Protective Mask	6400
✓ M40 Protective Mask	11891
✓ Chemical Protected Deployable Medical Sys	7
✓ Chemical Biological Protective Shelter	67
✓ M12A1 Decontamination Apparatus	80



Industrial Surge & Replenishment

Example: M291 Decon Kit





Pine Bluff Arsenal Environmental Permit

- Environmental Permitting Regulations vary by State and source – Air, Land, or Water
- ALL Environmental Permits are SITE SPECIFIC
- PBA Is Categorized As a Major Stationary Source Under the Prevention of Significant Deterioration (PSD) Regulations (Air Emissions > 100 Tons/yr)
- Facilities Constructed Prior to 1977 are “Grandfathered” into Air Permits Under the PSD Regulations
- Relocation of the Permitted Emission Sources Negates Grandfather Clauses and Requires Full Permitting Procedures

