



DCN: 10091



PUEBLO CHEMICAL DEPOT

Army Basing Study Presentation

10 February 2004

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PUEBLO CHEMICAL DEPOT

History

World War II

Ammunition storage
and supply

Missile maintenance supported

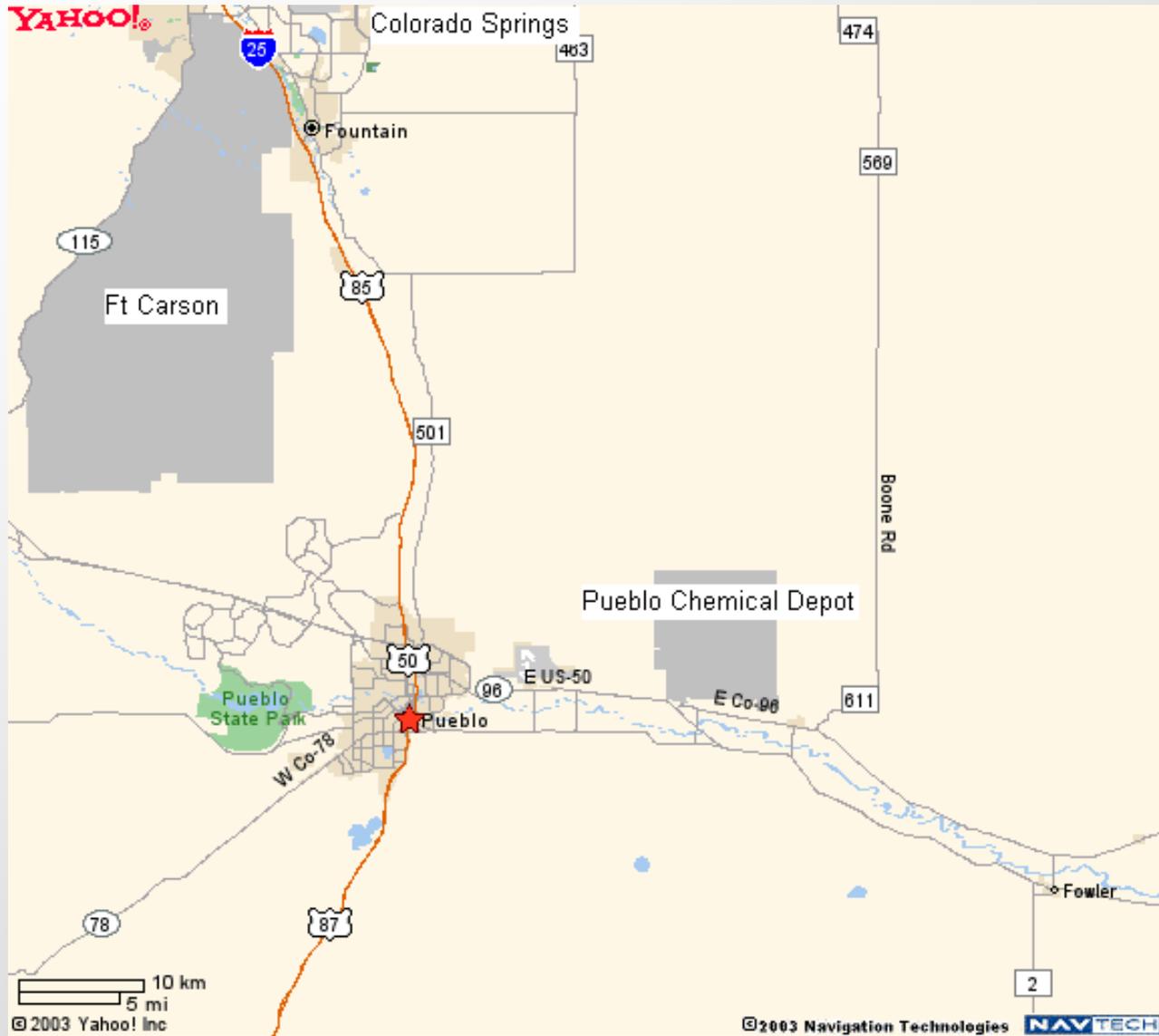
Korean War
Vietnam War
Desert Shield
Desert Storm

Mission Reduced



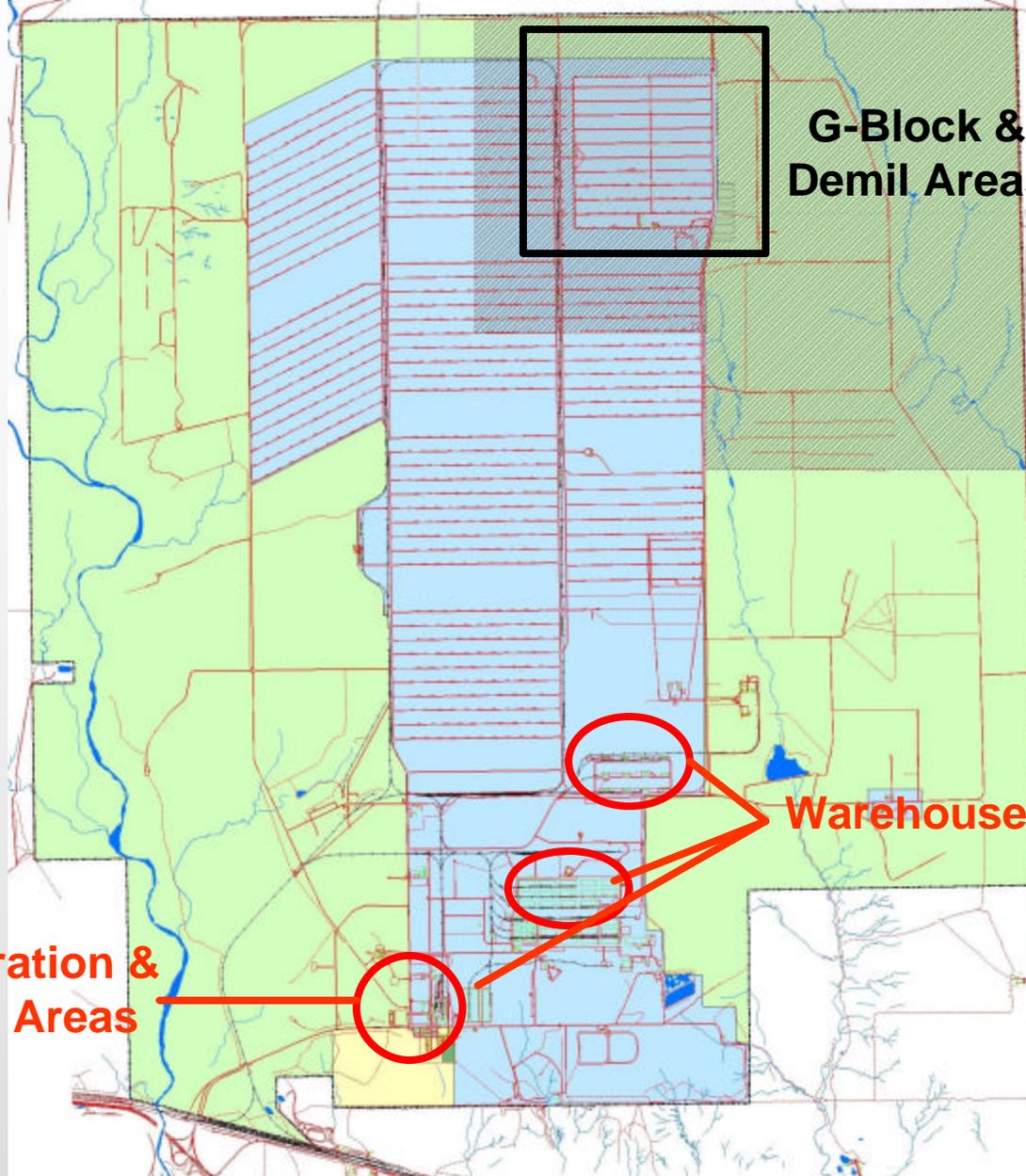
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Location



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G-Block & Demil Areas

Warehouse Area

Administration & Housing Areas



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Mission

Safely secure chemical weapons and chemical materials, prepares for their demilitarization while setting the conditions for the ultimate transfer of the Depot to civilian control.

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General Information



PCD Realigned under BRAC 88

- PCD is 20 miles from center of Pueblo, Colo.
- PCD Facts
 - 23,000 acres
 - 1,136 structures = 6,080,798² FT
 - 160 miles of paved roads
 - 46 miles of rail
 - 23 Army Family Housing Units
 - Self-contained utilities
- 59 Solid Waste Management Units (SWMU)

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Chemical Weapons

- ❑ Pueblo has 8.5% of original U.S. chemical stockpile
- ❑ Weapons have been in Pueblo since 1950s
- ❑ All munitions filled with liquid mustard agent



Storage

780,078 rounds

105mm 355,043

105mm 28,375

155mm 299,554

4.2in 97,106



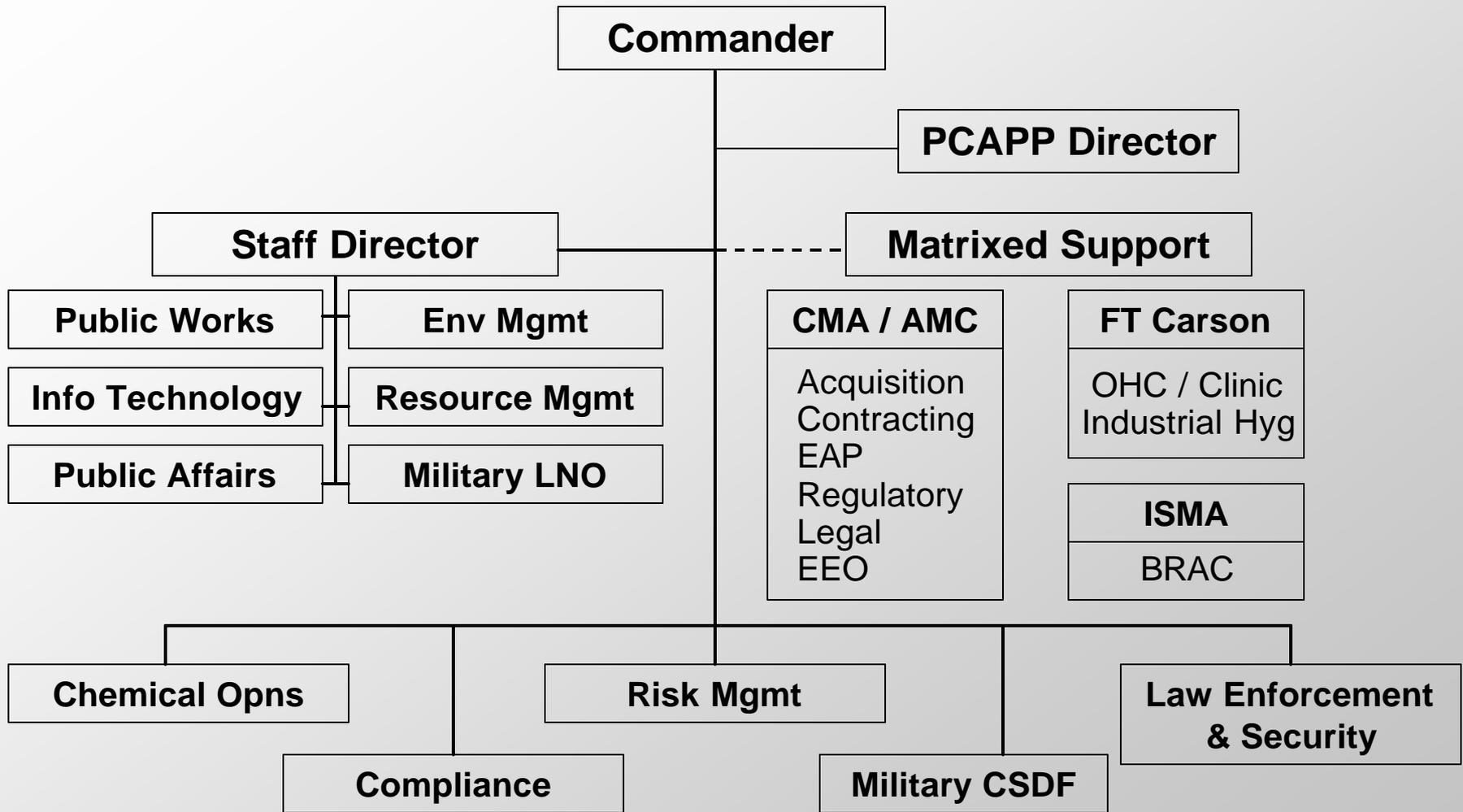
Typical Reconfigured 105MM



Typical Boxed 105MM

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Force Structure



Resources

Human Resources

- **PCD TDA (FY04):**
 - 196 DA Civilians Authorized
 - Projected Gain of 50 DA Guard Force
 - 20+ Essential Contractors
 - 20 PCAPP DA/ACWA civilians
- **Pueblo Chemical Agent Disposal Pilot Plant (PCAPP):**
 - 1,500-1,900 during construction
 - 500-900 during operations

Resources

PCD Real Property

- 23 Army Family Housing units circa 1960
- 13 Office Buildings = 242k² FT - 177k² FT Usable
- 24 Warehouses = 998k² FT - 998k² FT Usable
 - General Supplies = 103k² FT - 103k² FT Usable
 - Explosive Handling = 137k² FT - 0k² FT Usable*
- 7 Maint Bldgs = 2,130k² FT – 2,130k² FT Usable
- 922 Ammo Storage Structures
- PCD Water System, capacity = 923k gallons/day
- PCD Electrical Grid, with 14 backup generators
- PCD Sewage Treatment systems = 4 Evaporative Lagoons

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Resources



PCD FY 04 Budget

- Chemical Stockpile Storage \$13m
- GWOT \$ 2.3m
- CSEPP \$1.9m
- CWC Treaty \$415k
- Army Family Housing \$125k
- PCAPP \$2.7m
- BRAC Restoration \$3.6m

PCAPP will develop over the systems life cycle with a \$1.3b program

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Environment

- **Resource Conservation and Recovery Act (RCRA) Permitted Facility**
 - Management of hazardous waste and cleanup of former waste sites
 - Seven permitted storage sites
 - 90-day storage area
 - Permit renewed 7 Sep 2002 – in force until 2012
- **Colorado Department of Public Health and Environment (CDPHE) enforcement authority**

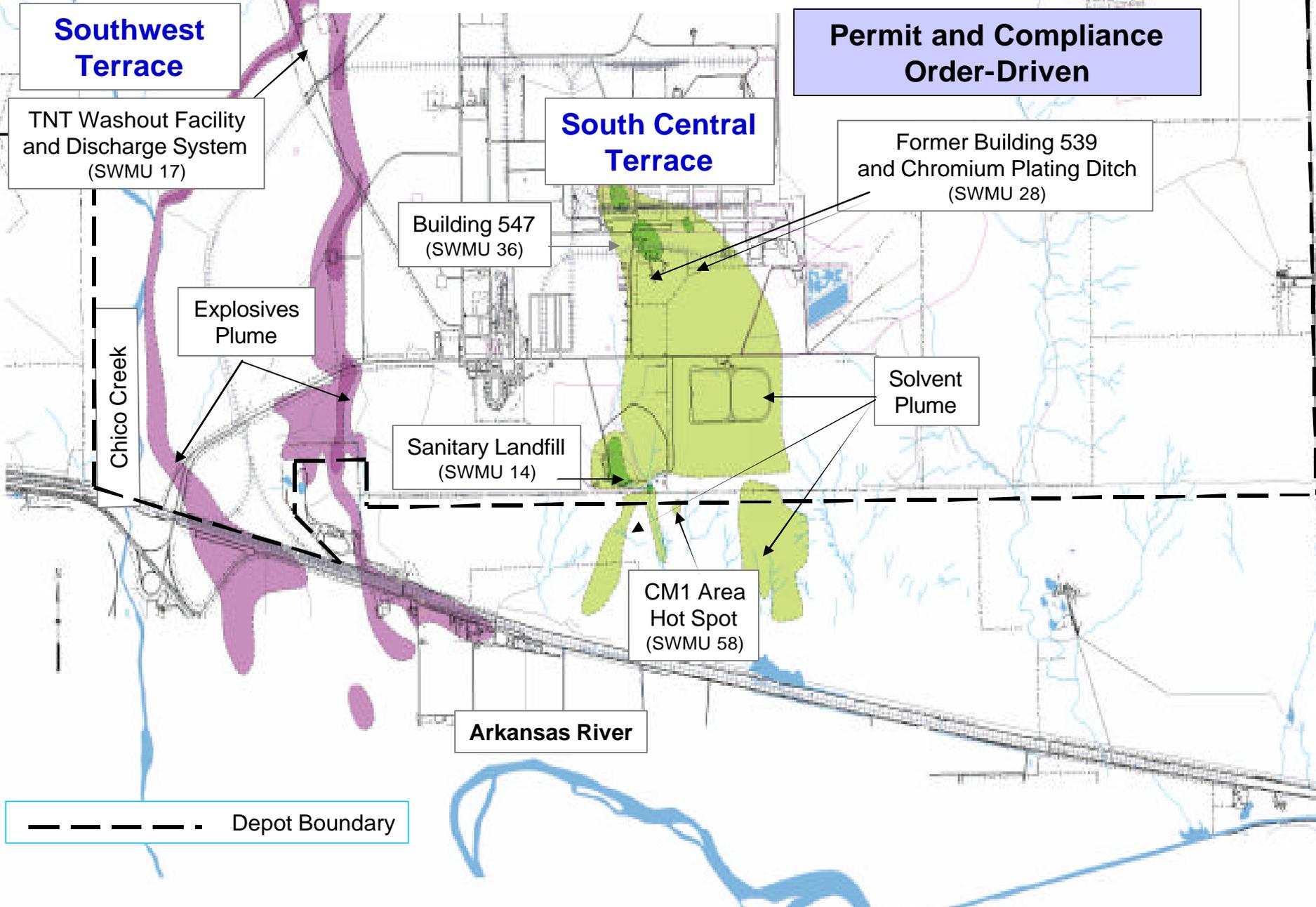


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Environment

- **RCRA Permit Covers Remediation and Compliance**
 - Treatment, storage, and disposal of hazardous wastes
 - Restoration of solid waste management units (SWMUs)
- **59 Solid Waste Management Units (SWMU)**
 - 4 closed
 - 10 No Further Action (NFA) by permit
 - 4 submitted to CDPHE for NFA consideration
 - 41 various stages of remediation
- **2 Active Compliance Orders**
 - Offsite contaminant migration in groundwater
 - Southwest Terrace (TNT Washout Facility)
 - South Central Terrace (Landfill/Chrome Plating Shop)

PCD Groundwater Plumes



Southwest Terrace

TNT Washout Facility and Discharge System (SWMU 17)

South Central Terrace

Building 547 (SWMU 36)

Permit and Compliance Order-Driven

Former Building 539 and Chromium Plating Ditch (SWMU 28)

Explosives Plume

Solvent Plume

Sanitary Landfill (SWMU 14)

CM1 Area Hot Spot (SWMU 58)

Arkansas River

--- Depot Boundary



Ordnance & Explosives Clearance



- 31 unexploded ordnance (UXO) sites on depot
- 17 sites cleared to one-foot depth
- Clearance approximately 75% complete
- Remaining clearance activities in accordance with state-approved Management Plan for Ordnance Response Activities. Plan being reviewed by CDPHE
- PCD preparing individual SWMU packages for CDPHE consideration – three approved as needing no further clearance

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Restoration Funding

- **Funded under Base Realignment and Closure (BRAC) Restoration Program – BRAC 1988 site**
 - BRAC Environmental Coordinator - Position part of DA BRAC Office, funded by BRAC
 - Project Managers – funded by CMA
 - State and EPA Managers – funded by BRAC
 - USACE Project Managers – funded by BRAC

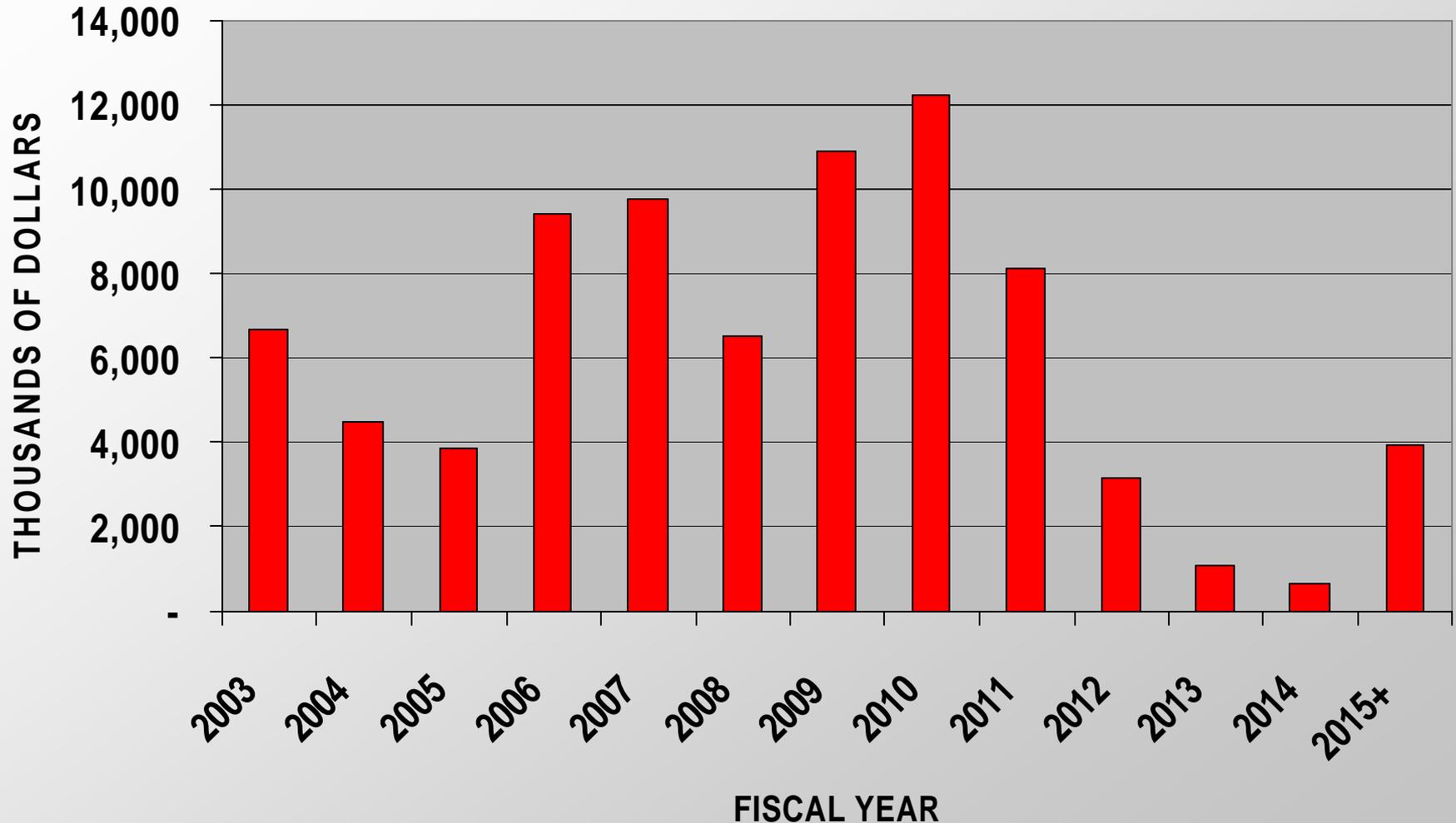
- **Cost to Complete**
 - Remaining -- \$80.8m (FY03-04)
 - Includes \$6.778m for FY03 & \$4.381m for FY04
 - Funding for OE clearance for chem burial sites not included
 - Previous - \$158.9m (FY88-02)



BRAC FUNDING

BACKGROUND - RESTORATION

TOTAL COST TO COMPLETE - \$80.8m (FY03 FORWARD)



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Pueblo Chemical Agent-Destruction Pilot Plant

Projected Schedule

2002	2003-4	2004-6	2006-7	2007-8	2008-9	2009-10	2010-12
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Contract Award	Facility Design	Construction	Pre-Systemization	Systemization	Pilot Testing	Operations	Closure
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Note: Final schedule established in conjunction with Systems Contractor

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Impacts on Community

- ❑ **Economic impact:**
 - ❑ **10 to 12 year project**
 - ❑ **\$1.3b facility**
 - ❑ **\$80m/year spent in Pueblo area**
 - ❑ **Peak of construction – 1500 to 1900 workers**
 - ❑ **Peak of operations – 500 to 900 workers**
 - ❑ **Bechtel committed to achieve 80% to 85% local hire (hiring to begin early 2004)**
- ✓ ***Total economic impact - \$2.5b***

Local Reuse Authority

- **Currently functions IAW Master Lease**
 - **826 structures on Master Lease, 85 occupied**
 - **Actively seeking property conveyance of RR**
- **Daily business operations**
- **Key item in Depot strategic planning**
- **Invested over \$1m in leased PCD property**
- **Direct tax revenue benefit to Pueblo County**



Strategic Vision



**Transfer as much of PCD through
excess / closure process as soon as
possible enabling complete closure
of PCD at completion of PCAPP
mission**

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