



Figure: US Chemical Weapons Storage/Destruction Sites

ABERDEEN CHEMICAL AGENT DISPOSAL FACILITY (ABCDF)

Aberdeen/Edgewood, Maryland

When the US chemical demilitarization effort began, Aberdeen housed 5 percent of the nation's original stockpile – 1,625 tons of chemical agent. As of April 2004, 7% of the agent stockpile and 7% of the munitions stockpile at the Aberdeen facility had been neutralized.

Agent

Blister agent sulfur mustard stored in ton containers

Site Location and Specifics

- Southeast of Edgewood, MD; near the City of Aberdeen (pop. 13,000)
- In Harford County (pop. 227,713)
- 2,700 families live on-site

Employment Statistics

- Aberdeen Proving Ground employs 6,699 civilians and 4,785 military personnel*
- Subcontractor Battelle Memorial Institute employs 210 local civilians

Agent Destruction

Accelerated Neutralization

Contractors/Subcontractors

- A \$306 million contract was awarded to Bechtel National, Inc. in 1998
- Subcontractors include:

Battelle Memorial Institute	Innovative Emergency Management
Earth Tech	Horne Engineering
EA Engineering	Upper Chesapeake Medical Services
General Physics Corporation	UXB Waste Management

* Numbers are not available for demilitarization facilities alone.

Groups/Organizations Involved with Site

Local

APG Superful Citizens' Coalition

Aberdeen, Abingdon, Baltimore, Earleville, Elkton, and North East Counties

State

Harford County

Harford County Division of Environmental Affairs

Harford County Health Department Bureau of Environmental Health

Maryland Citizens' Advisory Commissions

Milestones/Important Developments

- April 2003: Destruction began almost two years ahead of original schedule
- January 2004: Over 78 tons of agent has been destroyed

Projected Schedule

- Spring 2004: Complete agent neutralization, 18 months ahead of original schedule
- Winter 2004: Finish cleaning containers
- Summer 2005: Close site, one to two years ahead of original schedule

Political Representatives

- US Representative C.A. Dutch Ruppersberger III (D - 2nd District)
- US Senators Barbara Mikulski (D) and Paul Sarbanes (D)
- Maryland Governor Robert L. Ehrlich
- Maryland State Senator Nancy Jacobs (34th District)
- Maryland State House Delegates Charles Boutin (34th District) and Mary-Dulany James (34th District)

Contact Information

Edgewood Chemical Stockpile Outreach Office

tel. 410-676-6800 fax. 410-676-2483

Aberdeen Chemical Agent Disposal Facility

tel. 410-436-5253 fax. 410-436-9646

ANNISTON CHEMICAL AGENT DISPOSAL FACILITY (ACADF)

Anniston, Alabama

When the US chemical demilitarization effort began, Anniston housed 7 percent of the nation's original stockpile – 2,254 tons of chemical agent. As of April 2004, 5% of the agent stockpile and 3% of the munitions stockpile at the Anniston facility had been destroyed.

Agent

- Nerve agents sarin and VX stored in cartridges, projectiles, rockets and mines
- Blister agent sulfur mustard stored in cartridges, projectiles and ton containers

Site Location and Specifics

- 8 miles west of Anniston (pop. 23, 332)
- In Calhoun County (pop. 112,171)

Employment Statistics

- Anniston Army Depot as a whole employs 3,804 people *
- Affiliated groups
 - Westinghouse Electric Corporation employs 503 people
 - Werner Co. (aluminum extrusions) employs 650 people
 - General Dynamics employs 223 people

Agent Destruction Technique

Incineration

Contractors/Subcontractors

- \$213.8 million contract awarded to Westinghouse Electric Corporation in 1996, now part of the Washington Demilitarization Company
- Current contract value is approximately \$1.3 billion
- Subcontractors include:

Battelle Memorial Institute	Morrison Knudsen
General Physics Corporation	Bechtel National, Inc.,
Innovative Emergency Management	Becon Construction Company

* Numbers not available for demilitarization facility.

Groups/Organizations Involved with the Site

Local

Coosa River Basin Initiative CRBI)

Environmental Justice Task Force

Families Concerned About Nerve Gas Incineration

Calhoun, Cleburne, Clay, Etowah, Saint Clair and Talladega Counties

State

Alabama Citizens' Advisory Commission

Alabama Department of Environmental Management

Alabama Department of Public Health

Burn Buster and Serving Alabama's Future Environment (SAFE)

Milestones/Important Developments

- August 2003: Facility began destruction of sarin
- November 2003: Facility had destroyed 12,645 rockets and 13,526 gallons of liquid sarin

Projected Schedule

- 2006: Close site
- 2010: Estimated end work date given by the Washington Demilitarization Company

Political Representation

- US Representative Mike D. Rogers (R - 3rd District)
- US Senators Jeff Sessions (R) and Richard Shelby (R)
- Alabama Governor Bob Riley
- Alabama State Senator Del Marsh (12th District)
- Alabama State House Delegate Barbara Boyd (32nd District)

Contact Information

Anniston Chemical Demilitarization Facility Outreach Office

tel. 256-238-0120 fax. 256-238-0195

Anniston Chemical Demilitarization Facility Public Affairs Office

tel. 256-238-1652 fax. 256-238-4318

BLUE GRASS CHEMICAL ACTIVITY

Richmond, Kentucky

When the US chemical demilitarization effort began, Blue Grass housed 2 percent of nation's original stockpile – 523 tons of chemical agent. The Blue Grass facility is still in its planning stages and construction is scheduled to begin in 2004.

Agent

- Nerve agents sarin and VX stored in projectiles and rockets.
- Blister agent sulfur mustard stored in projectiles.

Site Location and Specifics

- 6 miles south of Richmond (pop. 28,000)
- 8 miles north of Berea (pop. 8,200)
- In Madison County (pop. 73,334)

Employment Statistics

Blue Grass is still in the planning and design stages.

Agent Destruction Technique

Neutralization and supercritical water oxidation

Contractor/Subcontractors

- Contract awarded in June 2003 to a team headed by Bechtel National, Inc. and Parsons Infrastructure and Technology Group, Inc.
- Subcontractors include:

Washington Demilitarization Company	General Physics Corporation
Battelle Memorial Institute	General Atomics

Groups/Organizations Involved with Site

Local

Common Ground
Concerned Citizens of Madison County

State

Chemical Stockpile Emergency Preparedness Program
Kentucky Citizens' Advisory Committee
Kentucky Department for Environmental Protection

Milestones/Important Developments

- June 2003: Contract awarded
- November 2003: Destruction technique chosen

Projected Schedule

- 10 year estimated timeframe for total construction, operations and closure
- Approximately 3 year construction
- Approximately 2.5 year systemization
- Approximately 2.5 year operations
- Approximately 2.5 year closure

Political Representation

- US Representative A.B. “Ben” Chandler (D - 6th District)
- US Senators Jim Bunning (R) and Mitch McConnell (R)
- Kentucky Governor Ernie Fletcher
- Kentucky State Senator Ed Worley (34th District)
- Kentucky House Representative Harry Moberly, Jr. (81st District)

Contact Information

Blue Grass Chemical Stockpile Outreach Office

tel. 859-626-8944 fax. 859-626-8949

Blue Grass Army Depot Public Affairs Office

tel. 859-625-6221 fax. 859-625-6617

NEWPORT CHEMICAL AGENT DISPOSAL FACILITY (NECDF)

Newport, Indiana

When the US chemical demilitarization effort began, Newport housed 3.5 percent of nation's original stockpile – 1,269 tons of chemical agent. As of April 2004, 98% of the construction of chemical weapons disposal facilities at the Newport site had been completed.

Agent

Nerve agent VX stored in ton containers

Site Location and Specifics

- 2 miles south of Newport, Indiana
- 70 miles west of Indianapolis
- In Vermillion County (pop. 16,581 in 2001)

Employment Statistics

- Approximately 222 full-time employees work at the Newport Chemical Depot
- Mason & Hanger Corporation employs 205 workers at the stockpile

Agent Destruction Technique

- Neutralization and supercritical water oxidation

Contractors/Subcontractors

- \$295 million contract awarded in 1999 to Parsons Corporation, with then partnership team AlliedSignal (which merged in December 1999 with Honeywell Inc.), for construction, testing, operation and closure
- Mason & Hanger Corporation is the operating contractor as of January 2003.

Groups/Organizations Involved with Site

Local

Citizens Against Incinerating at Newport

Fountain County Emergency Management and Commissioner

Newport Outreach

Newport Study Group

Parke County Emergency Management

Restoration Advisory Board

Vermillion County Emergency

State

Indiana Citizens' Advisory Commissions
Indiana Department of Environmental Management
Indiana Department of Health

Milestones/Important Developments

- 2000: Construction began
- December 2003: The Army postpones VX operations scheduled to begin in January 2004 to August 2004
- The current Army offsite treatment plan to ship waste from Indiana to a treatment facility in New Jersey has not been finalized and faces intense opposition; an April 2004 GAO report states that further DOD funds will not be appropriated to the Newport site until a disposal location has been chosen.

Projected Schedule

- 2003: Complete construction
- 2004: Operations, one year behind original schedule
- 2005: Close site
- 2007: Finish demolition of final structures

Political Representation

- US John N. Hostettler (R - 8th District)
- US Senators Evan Bayh (D) and Richard Lugar (R)
- Indiana Governor Joseph E. Kernan
- Indiana State Senator Timothy Skinner (38th District)
- Indiana House Representative F. Dale Grubb (42nd District)

Contact Information

Newport Chemical Stockpile Outreach Office
tel. 765-492-4445 fax. 765-492-4475
Newport Army Depot Public Affairs Office
tel. 765-245-4475 fax. 765-245-4500

PINE BLUFF CHEMICAL AGENT DISPOSAL FACILITY (PBCDF)

Pine Bluff, Arkansas

When the US chemical demilitarization effort began, Pine Bluff housed 12 percent of nation's original stockpile – 3,850 tons of chemical agent. As of April 2004, 100% of the construction of chemical weapons disposal facilities at the Pine Bluff site had been completed.

Agent

- Nerve agent sarin stored in rockets, and VX stored in rockets and landmines
- Blister agent sulfur mustard stored in ton containers

Site Location and Specifics

- 6 miles northwest of the City of Pine Bluff (pop. 55,085)
- 42 miles southeast of Little Rock
- In Jefferson County (pop. 84,278)

Employment Statistics

- Pine Bluff Arsenal as a whole employed 1,350 people in 2001
- Washington Demilitarization Company employed 1000 people in Jefferson County (2001 figures)

Agent Destruction Technique

Incineration

Contractors/Subcontractors

- \$512 million contract awarded to the Washington Demilitarization Company, formerly Raytheon Demilitarization Company, in July 1998 for construction, operations, maintenance and closure
- Current contract value approximately \$866 million

Groups/Organizations Involved with Site

Local

Jefferson County Office of Emergency Management

Pine Bluff for Safe Disposal

Arkansas, Dallas, Grant, Jefferson, Lincoln, Prairie, Pulaski, and Saline Counties

Women's Action for New Directions

State

Arkansas Citizens' Advisory Commission

Arkansas CWWG

Arkansas Public Policy Panel

Arkansas Sierra Club

Milestones/Important Developments

- January 1999: Construction began on schedule
- 2002: Construction completed one year behind original schedule
- May 2003: Systemization 81 percent complete

Projected Schedule

- Late 2004: Operations to begin, one year behind the original schedule
- 2006: Operations complete and site closed

Political Representation

- US Representative Mike Ross (D - 4th District)
- US Senators Blanche L. Lincoln (D) and Mark Pryor (D)
- Governor Mike Huckabee
- Arkansas State Senator Hank Wilkins IV (5th District)
- Arkansas House Representative Booker T. Clemons (16th District)

Contact Information

While Hall Chemical Stockpile Outreach Office

tel. 870-247-2025 fax. 870-247-2335

Pine Bluff Chemical Activity Public Affairs Office

tel. 870-540-2047 fax. 870-540-3886

PUEBLO CHEMICAL DEPOT (PUCD)

Pueblo, Colorado

When the US chemical demilitarization effort began, Pueblo housed 8.5 percent of nation's original stockpile – 2,611 tons of chemical agent. Construction is slated to begin in 2004 and end in 2006.

Agent

Blister agent sulfur mustard stored in cartridges and projectiles

Site Location and Specifics

- 14 miles east of the City of Pueblo (pop. 104,124)
- In Pueblo County (pop. 147,284)

Employment Statistics

- The Pueblo Depot employs 175 civilian and military personnel
- Bechtel Pueblo Team has a staff of around 300 people in San Francisco for plant design
- During peak construction, Bechtel Pueblo Team estimates 1,000 craft workers employed
- During operations, estimated 700 local workers employed
- As of November 2003, 15 contracts awarded to businesses in Pueblo totaling \$976,584 and 36 to companies within Colorado (outside Pueblo) totaling \$865,627

Agent Destruction Technique

Neutralization followed by biotreatment

Contractor/Subcontractors

- \$1.5 billion contract awarded to Bechtel National, Inc. in September 2002 for directing construction
- Subcontractors include:
 - Washington Demilitarization Company (operations and closure)
 - Parsons Infrastructure and Technology
 - Battelle Memorial Institute

Groups/Organizations Involved with the Site

Local

Citizens for Clean Air and Water

Diocese of Pueblo

Pueblo County Department of Health and Environment

State

Union Leaders

Citizens' Advisory Commission

Colorado Department of Public Emergency Management

Milestones/Important Developments

- September 2002: Contract awarded
- 2003-2005: Facility design

Projected Schedule

- 2004-2006: Construction
- 2006-2007: Pre-Systemization
- 2008-2009: Pilot Testing
- 2009-2010: Operations
- 2010-2013: Closure

Political Representation

- US Representative Scott McInnis (R - 3rd District)
- US Senators Wayne Allard (R) and Ben Nishthorse Campbell (R)
- Colorado Governor Bill Owens
- Colorado Senator Abel Tapia for District 3
- Colorado House Representatives Dorothy Butcher (46th District), Liane McFayden (47th District), and John T. Salazar (62nd District)

Contact Information

Pueblo Chemical Depot Community Outreach

tel. 719-546-0400 fax. 719-546-0409

Public Affairs Office

tel. 719-549-4135 fax. 719-549-4866

TOOELE CHEMICAL AGENT DISPOSAL FACILITY (TOCDF)

Tooele, Utah

When the US chemical demilitarization effort began, Tooele housed 44 percent of nation's original stockpile – 13,616 tons of chemical agent. As of April 2004, 47% of the agent stockpile and 83% of the munitions stockpile at the Tooele facility had been destroyed.

Agent

- Nerve agents tabun, sarin and VX stored in cartridges, projectiles, rockets, bombs, landmines, ton containers and spray tanks
- Blister agent sulfur mustard and lewisite stored in cartridges, projectiles and ton containers

Site Location and Specifics

- 12 miles south of Tooele (pop. 30,000)
- 40 miles southwest of Salt Lake City
- In Tooele County (pop. 48,000)

Employment Statistics

- Deseret Chemical Depot employed 335 local people
- Chemical Agent Munitions Disposal System employed 170 people (2002)
- EG&G Defense Materials, Inc. employs 518 local people, and Battelle Memorial Institute employs 88 people

Agent Destruction Technique

- Incineration
- Lewisite is destroyed by neutralization and stabilization

Contractor/Subcontractors

- EG&G Defense Materials, Inc. is the main contractor and operator
- Subcontractors include:
 - Battelle Memorial Institute
 - Washington Demilitarization Company

Groups/Organizations Involved with the Site

Local

Families Against Incinerator Risk
Redevelopment Agency of Tooele City
Tooele County
West Deseret Healthy Environment Alliance of Utah

State

Salt Lake City Sierra Club
Utah Department of Environmental Quality
Utah Solid and Hazardous Waste Control Board

Milestones/Important Developments

- August 1996: Operations began on schedule
- March 2002: All sarin munitions destroyed
- March 2003: Destruction of VX began
- November 2003: Destroyed last chemical agent-filled M55 rocket (last VX rocket)

Projected Schedule

- 2004: VX agent destruction operations complete
- 2007: Operations complete, three years behind original schedule

Political Representation

- US Representative Rob Bishop (R - 1st District)
- US Senators Robert Bennett (R) and Orrin Hatch (R)
- Governor Olene S. Walker
- Utah Senator Ron Allen for (12th District)
- Utah House Representative James R. Gowans (21st District)

Contact Information

Tooele Chemical Stockpile Outreach Office
1-800-471-1617

Tooele Chemical Stockpile Public Affairs Office
tel. 435-833-2211 ext. 2693

UMATILLA CHEMICAL AGENT DISPOSAL FACILITY (UMCDF)

Umatilla, Oregon

When the US chemical demilitarization effort began, Umatilla housed 12 percent of the nation's original stockpile—3,717 tons of chemical agent. As of April 2004, 100% of the construction of chemical weapons disposal facilities at the Umatilla site had been completed.

Agent

- Sulfur mustard in ton containers
- Sarin and VX in projectiles, rockets, bombs, landmines and spray tanks

Site Location and Specifics

- 10 miles west of Hermiston (pop. 15,100 in city limits, 30,000 surrounding area)
- In Umatilla County (pop. 70,548)

Employment Statistics

- Umatilla Chemical Depot employs 135 local people
- Washington Demilitarization Company employs 500 local people
- Employment peaked at 750 local workers during construction
- Approximately 600 people will be employed during operations and maintenance

Agent Destruction Technique

Incineration

Contractor/Subcontractors

- \$567 million contract awarded to Raytheon Company in 1997, now part of the Washington Demilitarization Company, for construction, operations, maintenance and closure
- Current contract value is approximately \$1 billion

Groups/Organizations Involved with the Site

Local

Benton County
Confederated Tribes of the Umatilla Reservation
GASP
Morrow County CSEPP

State

Oregon Chemical Demilitarization Citizens' Advisory Commission
Oregon Clearinghouse for Pollution Reduction
Oregon Department of Environmental Quality
Oregon Sierra Club
Oregon Wildlife Federation
Washington State Emergency Management

Milestones/Important Developments

- 1997: Construction began
- 2001: Construction completed

Projected Schedule

- Early 2004: Operations to begin two years behind original schedule
- Late 2004: Operations complete
- 2005: Original close date
- 2012: estimated end work date given by the Washington Demilitarization Company

Political Representation

- US Representative Greg Walden (R - 2nd District)
- US Senators Ron Wyden (D) and Gordon Smith (R)
- Governor Ted Kulongoski
- Oregon State Senator David Nelson
- Oregon House Representative Bob Jenson

Contact Information

Umatilla Chemical Disposal Outreach Office
tel. 541-564-9339 fax. 541-564-9532
Umatilla Chemical Depot
tel. 541-564-5312 fax. 541-564-5395

CLOSED

JOHNSTON ATOLL (JACADS)

CLOSED

Johnston Atoll, Hawaii

Johnston Atoll once stored 6 percent of the nation's original stockpile – 2,031 tons of chemical agent. As of March 2004, 100% of the agent and 100% of the munitions stockpile at the Johnston Island facility had been destroyed.

Agent

- Nerve agents sarin and VX stored in cartridges, mortars, projectiles, and ton containers
- Blister agent sulfur mustard stored in bombs, mines, projectiles, rockets, and ton containers

Site Location and Specifics

825 miles southwest of Hawaii in the Pacific Ocean

Employment Statistics

- Johnston Atoll currently employs 800 Department of Defense civilians, US Air Force, and civilian contractor personnel involved in remediation
- In 2000, around 1,300 US military and civilian contractor personnel lived on the island, most of them assigned to the chemical disposal plant
- EG&G Defense Materials, Inc. employed around 80 workers

Agent Destruction Technique

Incineration

Contractor/Subcontractors

- \$250 million contract awarded to Raytheon in 1996, now part of Washington Demilitarization Company.
- Current contract value is approximately \$1.4 billion
Subcontractor EG&G Defense Materials, Inc received a five-year, \$40 million sub-contract as part of the Raytheon Technical Service Company's team

Milestones/Important Developments

- 1985: Construction began
- 1994: Destruction of agent began
- 2000: Destruction of agent 100 percent complete on schedule

Projected Schedule

- Late 2003-early 2004: Close site

Political Representation

- US Representative Ed Case (D - 2nd District)
- US Senators Daniel Akaka (D) and Daniel Inouye (D)

Contact Information

Program Manager for the Elimination of Chemical Weapons

tel. 800-488-0648 fax. 410-436-5122