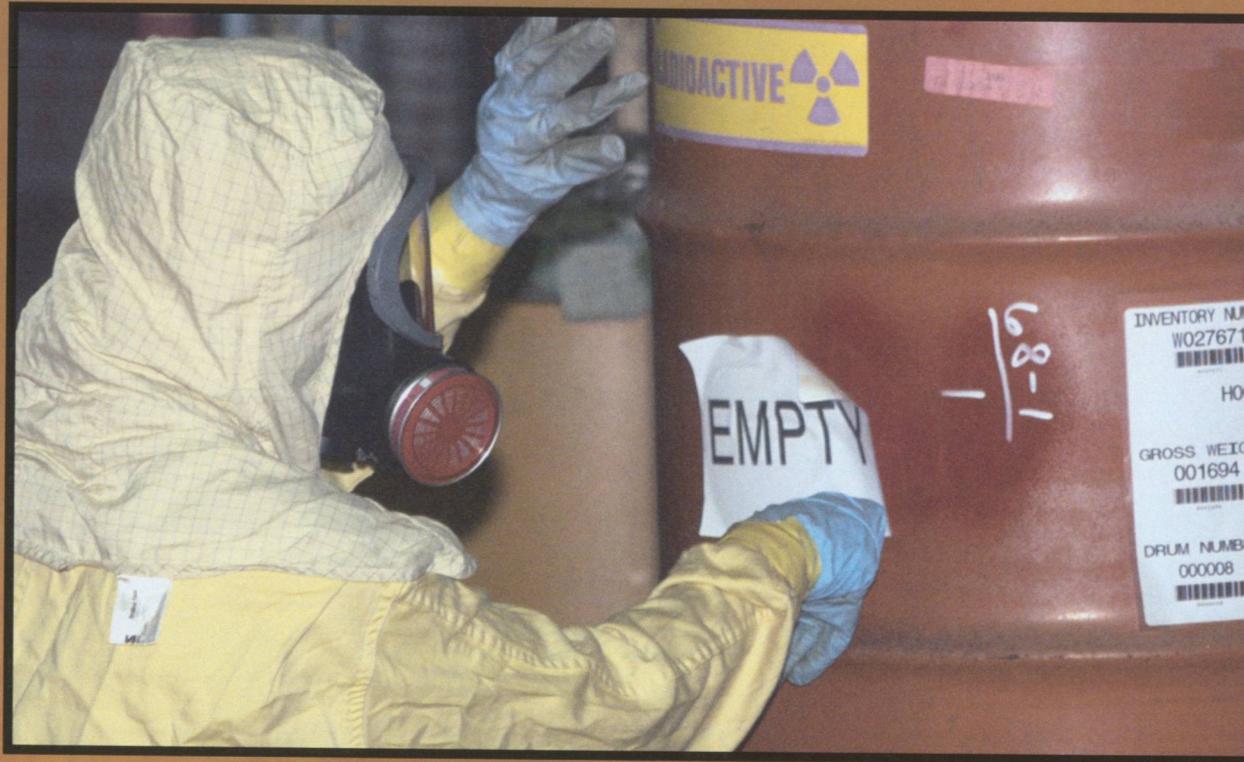


2006

FERNALD

Committed to Closure



June 2002



Fluor Fernald

MISSION

Together, DOE and Fluor Fernald are committed to safely restoring the Fernald site to an end state that serves the needs of the community and we are doing this at an accelerated pace and in a fiscally responsible manner.



6924-1B



6924-1C

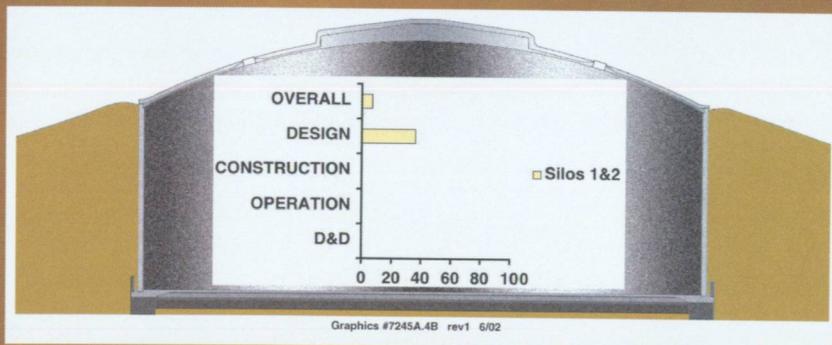


Fluor Fernald

SILOS 1 AND 2



Photo # 7792-146



WORK SCOPE

- Remove 8,900 cubic yards of high activity low-level waste from two concrete silos
- Treat the waste by chemical stabilization and ship off site for disposal

CLEANUP REMEDY

- Record of Decision signed in December 1994
- Record of Decision Amendment for Operable Unit 4 Silos 1 and 2 Remedial Action approved in July 2000
- Stabilize waste to reduce leachability and decrease moisture content
- Ship treated waste off site for disposal

STATUS

- Design - 36 percent complete
- Project - 7 percent complete
- Accelerated Waste Retrieval - 35 percent complete
- Jacobs performing engineering services and Fluor Fernald performing construction management and operations

2006 STRATEGY

- Use commercial Design-Build approach to integrate project activities and accelerate completion by 18 months
- Implement a detailed constructability process to maintain required coordination of efforts
- Revise original design to increase operating flexibility and reduce changeover and downtime
- Develop backup options for transportation and disposal



Fluor Fernald

Graphics # 7482.3 6/11/02

PROJECT COMPLETION - 2006

4322

SILO 3

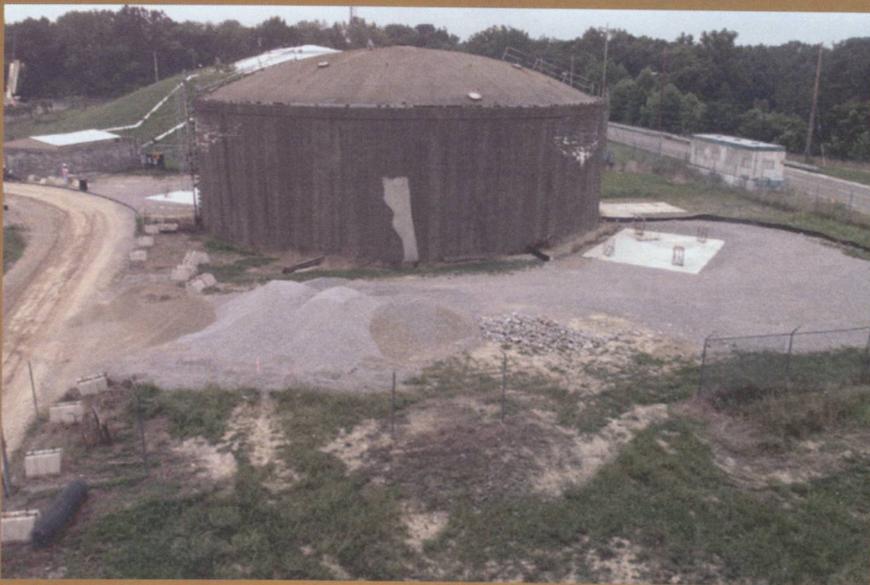
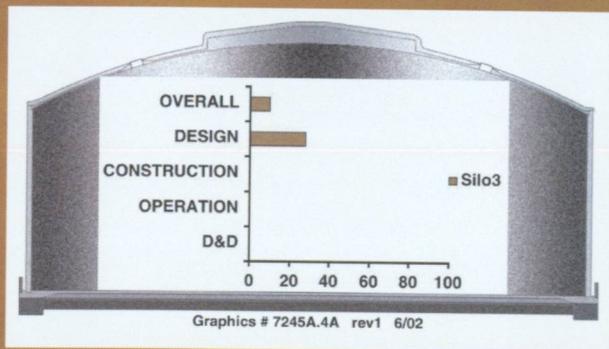


Photo # 7325-D131



WORK SCOPE

- Remove 5,100 cubic yards of low-level waste from one concrete silo
- Ship waste off site for disposal

CLEANUP REMEDY

- Record of Decision signed December 1994
- Explanation of Significant Differences for Operable Unit 4 Silo 3 Remedial Action approved in March 1998
- Use pneumatic and mechanical retrieval systems
- Load material in soft-sided containers and ship off site for burial

STATUS

- 10 percent complete
- Jacobs performing engineering for waste removal and Fluor Fernald performing construction management and operations

2006 STRATEGY

- Prepare Record of Decision amendment and Explanation of Significant Differences to reflect change in transportation mode/route and disposal facility
- Treatment only as required to meet commercially permitted facility's waste acceptance criteria
- Planning for opportunistic funding to complete early

PROJECT COMPLETION - 2005

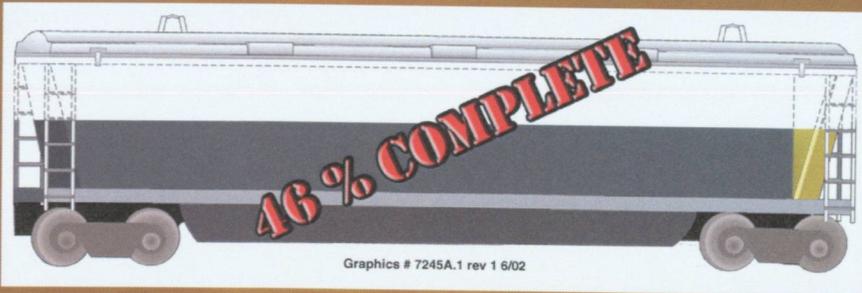


Fluor Fernald

WASTE PITS REMEDIAL ACTION PROJECT



Photo # 7646-106



Graphics # 7245A.1 rev 1 6/02

WORK SCOPE

- Remediate the contents of six waste pits ranging in size from a baseball diamond to a football field and varying in depth from 13 feet to 30 feet
- Pits contain low-level radioactive wastes derived from refining and metallurgical processing of uranium ore concentrates and thorium during Fernald's 37-year production mission

CLEANUP REMEDY

- Record of Decision signed in March 1995
- Excavate, dry and transport by rail approximately 1 million tons of waste to a commercial disposal facility

STATUS

- 46 percent complete
- Processed 366,066 tons of waste of an estimated 790,000 tons
- Transported 58 unit trains (3,480 cars) to Envirocare of Utah, Inc. for disposal

2006 STRATEGY

- Operate dryers 24/7 to process increased waste tonnage
- Add additional rail transport infrastructure (i.e., 20 gondola cars)
- Evaluate additional de-watering options

PROJECT COMPLETION - 2005

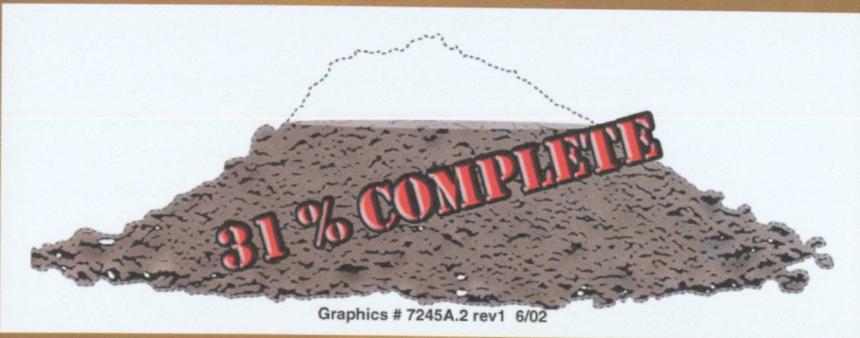


Fluor Fernald

SOIL AND DISPOSAL FACILITY PROJECT



Photo # 7792-177



Graphics # 7245A.2 rev1 6/02



Graphics # 7482.6 rev. 6/11/02

Fluor Fernald

WORK SCOPE

- Remediate and dispose of contaminated soil
- Certify site as "clean" and perform substantial natural resource restoration

CLEANUP REMEDY

- Records of Decision signed in 1995
- Excavate approximately 2.2 million cubic yards of soil, foundations and below-grade piping
- Certify that remaining soil meets EPA-established cleanup levels
- Design, construct and operate an On-Site Disposal Facility with a capacity to hold 2.5 million cubic yards of contaminated soil and debris

STATUS

- 31 percent complete
- Cell 1 - complete
- Cell 2 - 80 percent complete
- Cell 3 - 30 percent complete
- Constructing Cells 4 and 5
- Excavated over 850,000 cubic yards of contaminated soil
- Over 50 percent of the site is certified "clean"
- Completed four natural resource restoration projects

2006 STRATEGY

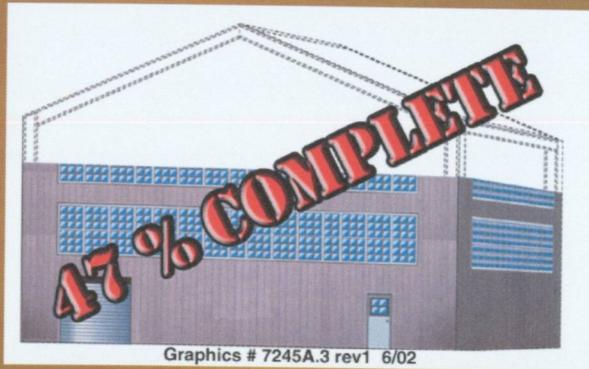
- Adopt a self-perform approach to work execution
- Resequence work to include more parallel activities
- Greater integration with D&D and Waste Pits projects
- Minimize risk

PROJECT COMPLETION - 2006

DECONTAMINATION AND DEMOLITION PROJECT



Photo # 6639D-1198



Graphics # 7245A.3 rev1 6/02



Fluor Fernald

Graphics # 7482.7 rev. 6/11/02

WORK SCOPE

- Dismantle over 225 former production plants, support structures and associated components

CLEANUP REMEDY

- Record of Decision for Interim Remedial Action signed in July 1994
- Record of Decision for Final Remedial Action signed in September 1996
- Complete Safe Shutdown of former production facilities by removing uranium material from process lines and piping, disconnecting utilities and gross decontamination
- Dismantle plants, structures and associated components

STATUS

- 47 percent complete
- Dismantled 105 structures
- Completed Safe Shutdown in March 1999, two years early and \$7 million under budget
- Awarded D&D subcontract for primary structure demolition in August 2001
- Current activities focused on D&D of Plants 2/3, 8, Pilot Plant, 64/65 and the Safety and Health Building

2006 STRATEGY

- Add additional work crews and equipment
- Expedite demolition of structures by up to two years

PROJECT COMPLETION - 2006

AQUIFER RESTORATION AND WASTEWATER

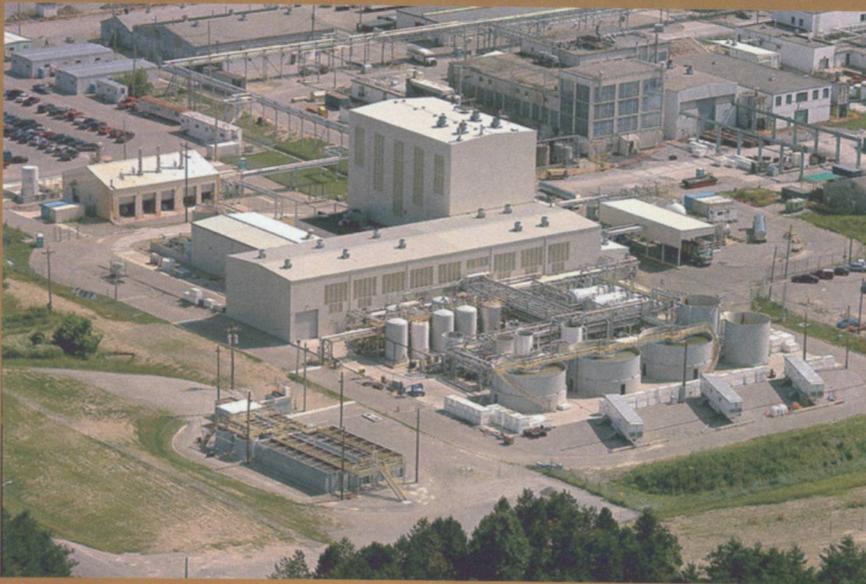


Photo # 6901-90



Graphics # 7245A.5 rev1 6/02



Graphics # 7482.8 rev. 6/11/02

Fluor Fernald

WORK SCOPE

- Remediate contaminated portions (approximately 170 acres) of the Great Miami Aquifer, one of the largest sole-source aquifers in the nation
- Treat stormwater and wastewater resulting from site remediation activities

CLEANUP REMEDY

- Record of Decision signed January 1996
- Restore impacted portions of the aquifer by treating extracted groundwater
- Treat site remediation wastewater and stormwater
- Maintain comprehensive site-wide environmental monitoring program
- Meet EPA groundwater cleanup standard of 30 ppb total uranium

STATUS

- 62 percent complete
- Extracted over 10.2 billion gallons of water from the aquifer since 1993
- Treated over 5.4 billion gallons of water
- Removed over 3,500 pounds of uranium from the aquifer since 1993
- Successfully demonstrated re-injection well technology to accelerate aquifer remediation

2006 STRATEGY

- In place

PROJECT COMPLETION - 2006

4322

WASTE MANAGEMENT PROJECT



Photo # 7646-60



WORK SCOPE

- Characterize, sample, package and dispose of low-level radioactive, hazardous and mixed waste
- Provide site-wide support for waste planning and off site shipping
- Emphasize waste minimization, recycling or reuse wherever practical

STATUS

- 88 percent complete
- Shipped 6.04 of 6.2 million cubic feet low-level waste to the Nevada Test Site for disposal - 97 percent complete
- Transferred 147,360 of 186,583 gallons low-level liquid mixed waste off site for incineration - 79 percent complete
- Approximately 19,000 containers remaining in inventory
- Recycled over 58 tons of aluminum cans and 638 tons of paper and cardboard

2006 STRATEGY

- Disposition all containerized waste on Plant 1 Pad by October 2003
- Maximize on-site disposition of low-level waste
- Pursue off site treatment of mixed waste and low-level waste

PROJECT COMPLETION - 2004

Fluor Fernald



NUCLEAR MATERIALS DISPOSITION

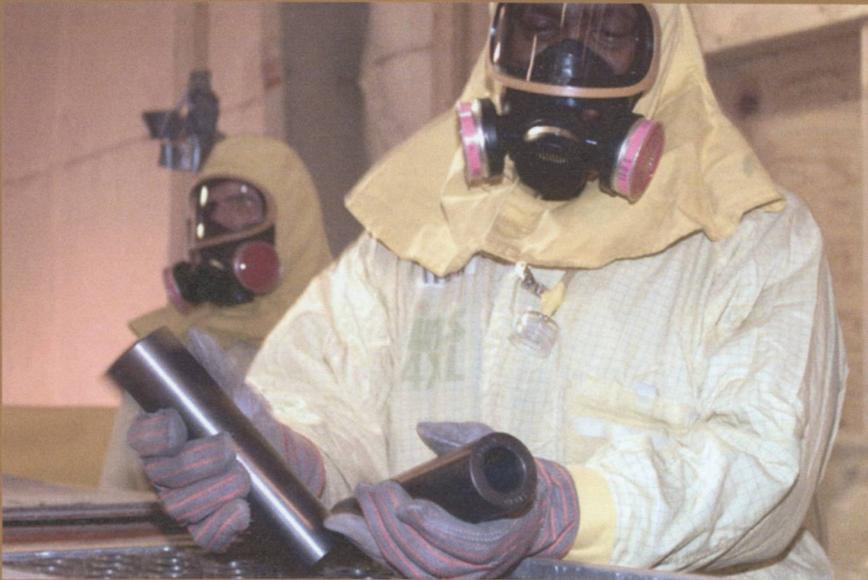
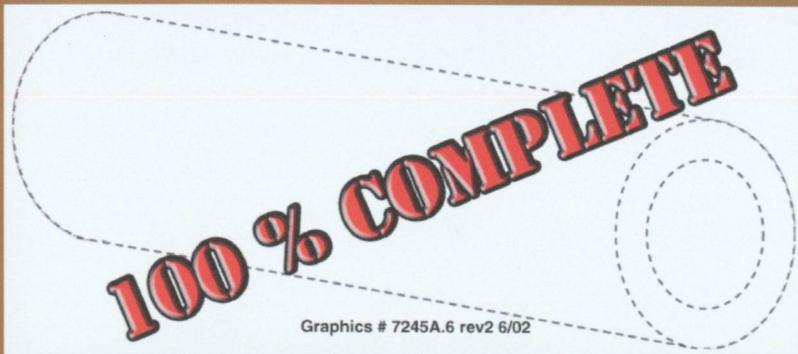


Photo # 7269-D13



Graphics # 7245A.6 rev2 6/02

WORK SCOPE

- Characterize, package and ship nuclear materials off site

STATUS

- 100 percent complete
- Dispositioned 31 million pounds of nuclear product via:
 - Transfer to DOE sites for programmatic use
 - Sale to private sector
 - Transfer to Portsmouth for interim storage under DOE's Uranium Management Group (9.1 million net pounds transferred since June 1999)
 - Burial of Department of Defense materials off site
- * Continuing characterization, visual inspection and packaging of 3 million net pounds of uranium waste
- * Shipping uranium waste to burial site
 - * These work scopes are being managed through the Waste Management Project

2006 STRATEGY

- In place

PROJECT COMPLETION - 2002



Fluor Fernald