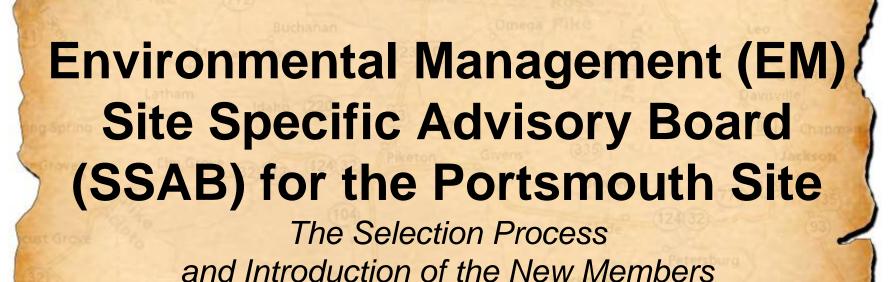


Agenda

- Welcome/Introductions William Murphie, Manager, U.S.
 Department of Energy's Portsmouth/Paducah Project Office
- The Environmental Management (EM) Site Specific Advisory Board (SSAB) for the Portsmouth Plant – William Murphie,
 U.S. Department of Energy
 - Purpose
 - Selection Process
 - Introduction of New Members
- 'A Step Back In Time' David Kozlowski, U.S. Department of Energy, Acting Site Lead
 - History of the Piketon Plant
 - Origins of the Cleanup Program
 - Cleanup Actions Completed Over the Last 20 Years

Agenda (continued)

- 'Here and Now' U.S. Department of Energy Contractors (LATA/Parallax, United States Enrichment Corporation, Uranium Disposition Services, Theta Pro2Serve Management Company)
 - Ongoing Cleanup Efforts
- 'Looking to the Future' William Murphie, U.S. Department of Energy
 - Planning Update for the Decontamination and Decommissioning (D&D) Project
 - Public Involvement
- Questions and Answers / Informal Meet and Greet EM SSAB members



- Purpose: Provide advice and recommendations to EM Assistant Secretary concerning
 - Cleanup standards and environmental restoration
 - Waste management and disposition
 - Stabilization and disposition of non-stockpile nuclear materials
 - Excess facilities
 - Future land use and long term stewardship
 - Risk assessment and management
 - Cleanup science and technology activities



- Recommendation Process
 - DOE received over 50 applications for the EM SSAB for Portsmouth
 - Under Federal Advisory Committee Act requirements, the applicants were reviewed for fair, balanced representation with focus on diversification
 - Selection panel consisted of Dr. David Todt, Provost, Shawnee State University; Judy Dixon, Executive Director, Pike County Outreach Council; and David Kozlowski, Department of Energy

- Evaluation Criteria
 - Nominees were evaluated under the following membership criteria:
 - Pertinent interests (i.e. community, county/city/tribal government, academia, minority, labor, civic, environmental, women's or business organizations)
 - Minority groups and gender
 - Education, geographic location, and occupation
 - Membership nominations were reviewed by DOE's Office of EM, Office of General Counsel, and Office of the Secretary

- 20 members selected for initial two-year terms
 - 9 represent Pike County
 - Thomas Allen, Shirley Bandy, Dr. Edwin G. Charle, Val Francis (co-chairperson), Sharon Manson, Stephen Martin, Daniel Minter, Larry Parker, Billy Spencer
 - 1 represents Jackson County
 - Lee Blackburn
 - 2 represent Ross County
 - Cristy Renner and Richard Snyder (co-chairperson)
 - 5 represent Scioto County
 - Dr. Andrew Feight, Bobby Graff, Franklin Halstead,
 Thomas Martin, Michael Payton
 - 3 represent other areas in region
 - Dr. Nicholas Dinos (Athens County), Terri Ann
 Smith (Athens County), and Lornita (Lorry) Swain
 (Greenup County, Kentucky)

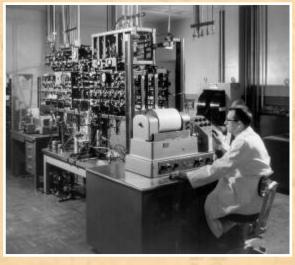
- Meetings and Co-Chairs
 - All full board meetings open to the public, advertised in Federal Register and local newspapers
 - Meetings tentatively scheduled to be held first Thursday of each month
 - Waverly businessman Val Francis and Ross County plant retiree Richard Snyder chosen by the EM SSAB members to serve as co-chairs through the end of 2008
 - First official EM SSAB for Portsmouth meeting scheduled for 6:00 p.m., Thursday, September 4, 2008, OSU South Centers Auditorium, Piketon, Ohio

 DOE is pleased to welcome the EM SSAB members for the Portsmouth site and looks forward to working with the board as a new journey begins to evaluate the EM challenges and opportunities for the future of the plant site.

Join us in welcoming the new members, who will help serve as the eyes, ears and voices of the public.

Understanding How Past Operations at the Portsmouth Gaseous Diffusion Plant Affect the Work of Today





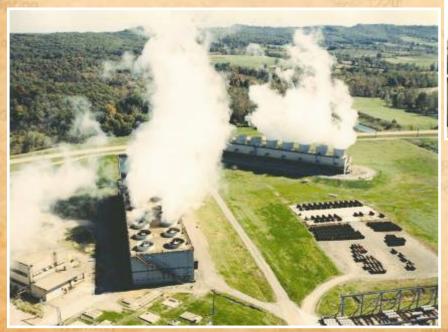


The plant was built in 1952-1956 as one of three plants (others in Oak Ridge, TN and Paducah, KY) to enrich uranium by the gaseous diffusion technology. The process separates lighter Uranium-235 isotopes (enriched stream) from the heavier Uranium-238 (depleted stream). Highly enriched Uranium-235 was made for the nuclear weapons program and nuclear submarine reactors. Low-enriched

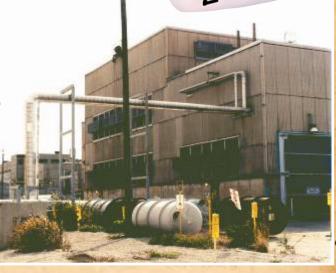


Uranium-235 between 2-5% is used for commercial nuclear power reactors. This plant stopped producing weapons grade material in 1964, highly enriched uranium for submarines in 1991, and all low enriched uranium in 2001 leaving the Paducah plant as the only currently operating uranium enrichment plant in the country.

The Portsmouth plant was operational for nearly 50 years. As a major industrial site, many hazardous chemicals were used during this time...



1954 thru 2001



... resulting in soil and groundwater contamination



1989

- Cleanup Program begins at the Portsmouth plant
 - The Department of Energy established the Office of Environmental Management in 1989 to address the Cold War environmental legacy across the country
 - Enforcement actions were taken against DOE at Portsmouth due to notices of violation stemming from Resource Conservation and Recovery Act (RCRA) inspections in the 1980s
 - Consent decree with State of Ohio (Ohio EPA as state's lead agency), 1989
 - Administrative Consent Order with U.S. EPA, 1989

- Working with Ohio EPA, DOE has taken extensive cleanup actions at the site
 - 10 Decision Documents issued by regulatory agencies
 - All major cleanup actions implemented except units agreed by DOE and Ohio EPA to be deferred until plant Decontamination and Decommissioning (D&D)

Mid 1990s

- Completed Site Investigation Studies
 - Nearly 1,000 groundwater monitoring wells installed in and around the 3,777-acre plant site
 - Tens of thousands of soil samples taken at various depths
 - 5 groundwater contamination areas, or plumes, identified from sampling results
 - Treatments in place at each plume; additional cleanup actions still being taken



Treatment is injected into the soil at the X-701B plume located on the plant's east side.

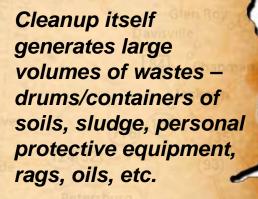




 Remediated lagoons and surface impoundments















 More than 8,400 tons of radioactively contaminated scrap metal removed 2000 thru 2005



Scrap metal was shipped to disposal sites in Utah and Nevada.





2000 thru 2003 Planted 3,000 hybrid poplar trees as part of approved remedy for groundwater cleanup on southern end of plant



Actions continue to be taken at this location through installation of extraction wells to pull contaminated groundwater back onto the DOE property for treatment.

 Shipped deteriorating containers of legacy waste off-site for disposal 2003 thru 2004



Majority of this waste was shipped to Energy Solutions disposal facility in Utah.

 Cleaned out more than 1,300 old centrifuge casings and equipment from centrifuge facilities 2005 thru 2006





Project completed 7 months ahead of schedule and \$8.3M less than original estimate.



 Emptied waste storage facility of 49,000 legacy waste containers 1993 thru 2007





Wastes were shipped to disposal / treatment facilities in Utah and Tennessee and various recycling vendors.



 Demolished and removed 16 inactive, surplus facilities



X-230J-8 Environmental Storage Building



X-230J-1 Environmental Monitoring Station



X-342C HF Neutralization Pit



X-720A Maintenance and Stores Gas Manifold Shed



X-106B Old Fire Training Building



X-344F HF Safety Building



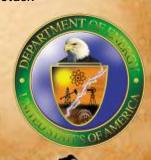
X-344E Gas Ventilation Stack



X-740 Waste Oil Storage Facility



X-701D Water Deionization Building



 Demolished and removed 16 inactive, surplus facilities



X-230J-8 Environmental Storage Building



X-230J-1 Environmental Monitoring Station



X-342C HF Neutralization Pit



X-720A Maintenance and Stores Gas Manifold Shed



X-106B Old Fire Training Building



X-344F HF Safety Building



X-344E Gas Ventilation Stack



X-740 Waste Oil Storage Facility



X-701D Water Deionization Building



 Demolished and removed 16 inactive, surplus facilities (continued)



X-616 Liquid Effluent Control Facility



X-105 Electronic Maintenance Building



X-770 Mechanical Test Facility



X-744 T / U Lithium Storage Warehouses



X-344C HF Storage Building



X-615 Old Sewage Treatment Plant



 Demolished and removed 16 inactive, surplus facilities (continued)



X-616 Liquid Effluent Control Facility



X-105 Electronic Maintenance Building



X-770 Mechanical Test Facility



X-744 T / U Lithium Storage Warehouses



X-344C HF Storage Building



X-615 Old Sewage Treatment Plant



'Here and Now'

Understanding the Significant Progress Being Made at the Plantsite Today











2008...

Current cleanup activities by LATA/Parallax
 Portsmouth (LPP), the United States Enrichment
 Corporation (USEC), Uranium Disposition
 Services (UDS), and Theta Pro2Serve
 Management Company (TPMC)

LPP: Paul Kreitz, Project Manager

- USEC: Wray Jordan, General Manager

- UDS: John McCoy, Plant Manager

- TPMC: Rodger Carter, Division Manager









- Measures of Progress
 - Waste removal was completed on schedule in December 2007... For the first time in 15 years, waste is removed from the site as it is generated
 - In June 2008, completed the shipment of 1,900 containers of special process waste for treatment and disposal
 - Continue to make significant progress conducting oxidant treatment at 2 on-site groundwater plumes







- Measures of Progress
 - In July 2008, completed all processing and waste removal of more than 1,200 small cylinders. Project was completed 3 months ahead of schedule and approximately \$500,000 under budget.



Paul Kreitz, Project Manager



2007 July 31, 2008

Measures of Progress

- United Steel Workers completed removal of X-744
 T/U Lithium Storage Warehouses in May 2008
- Use of local companies for recycling non-contaminated metals and debris resulted in a cost savings of approximately \$300,000







- Measures of Progress
 - More than 320 old converter shells processed by LATA/Parallax; less than 60 remaining
 - On schedule for completion by September 2008



Environmental Remediation

Paul Kreitz, Project Manager



- Upcoming Work
 - Disposition of X-746, a former shipping and receiving facility, with public comment
 - Removal of the X-770 concrete slab upon approval by the Ohio Environmental Protection Agency
 - Processing, transport and disposal of more than 2,200 excess, large cylinders containing low enriched uranium



Environmental Remediation

Paul Kreitz, Project Manager

- Upcoming Work (continued)
 - Disposition of selected materials in the Uranium Management Center
 - Disposition of 361 small cylinders (Phase II)
 - Continual monitoring of groundwater at southern boundary of plant site







Tech-99 Cleanup

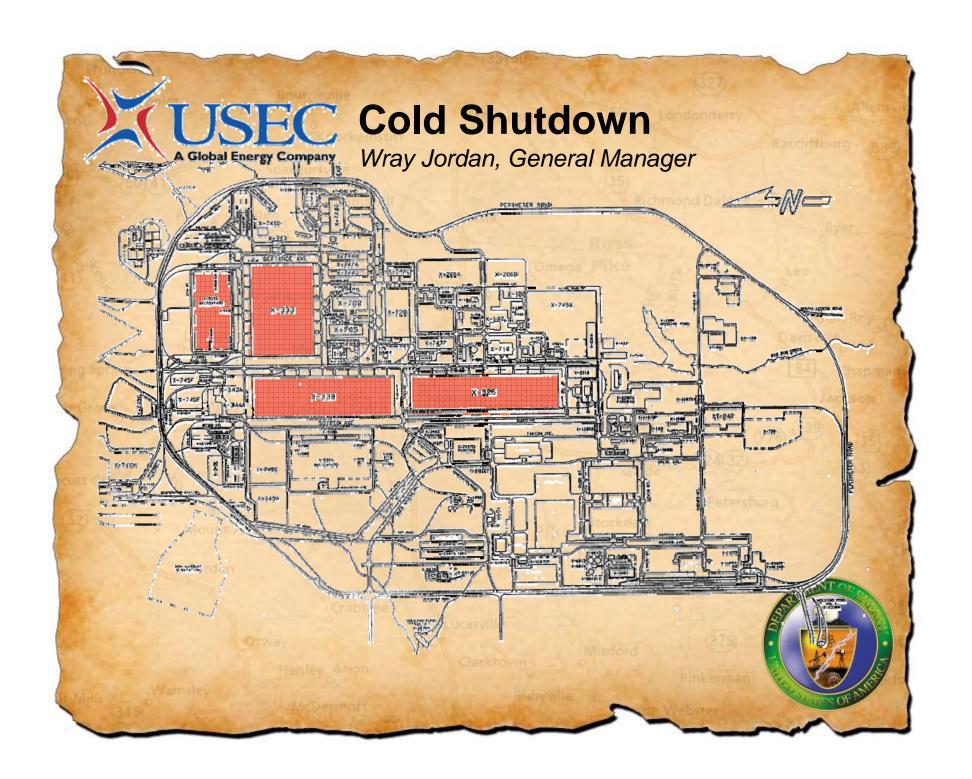
Wray Jordan, General Manager

USEC is completing a project for DOE to clean cylinders of out-of-specification uranium contaminated with technetium (Tc-99) for reuse by the nuclear industry.

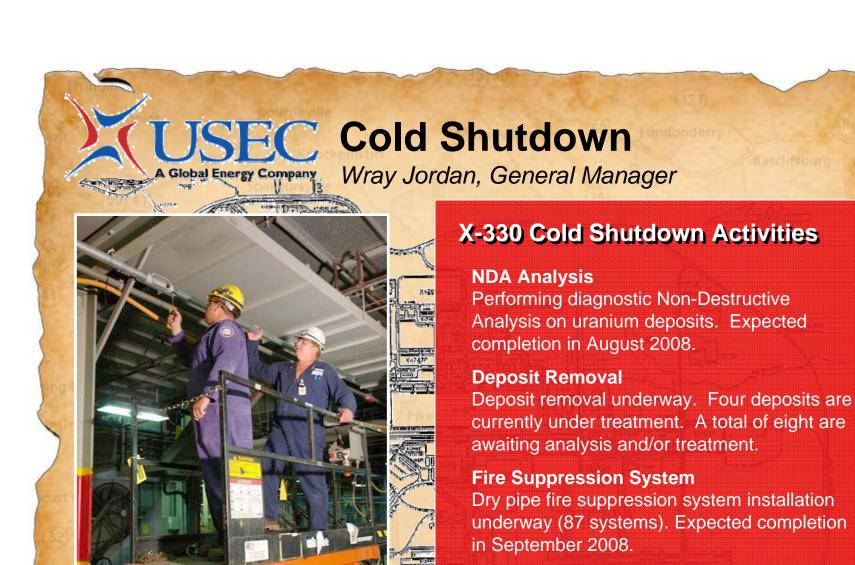
- Since the project began in 2002, 14,883 out of 15,067 metric tons of uranium (MTU) have been cleaned:
- 1,884 MTU DOE uranium cleaned to date in FY 08. Cleanup of remaining current inventory of 184 MTU to be completed by end of FY 08 (Sept. 30).
- Discussions ongoing for additional material to be processed.



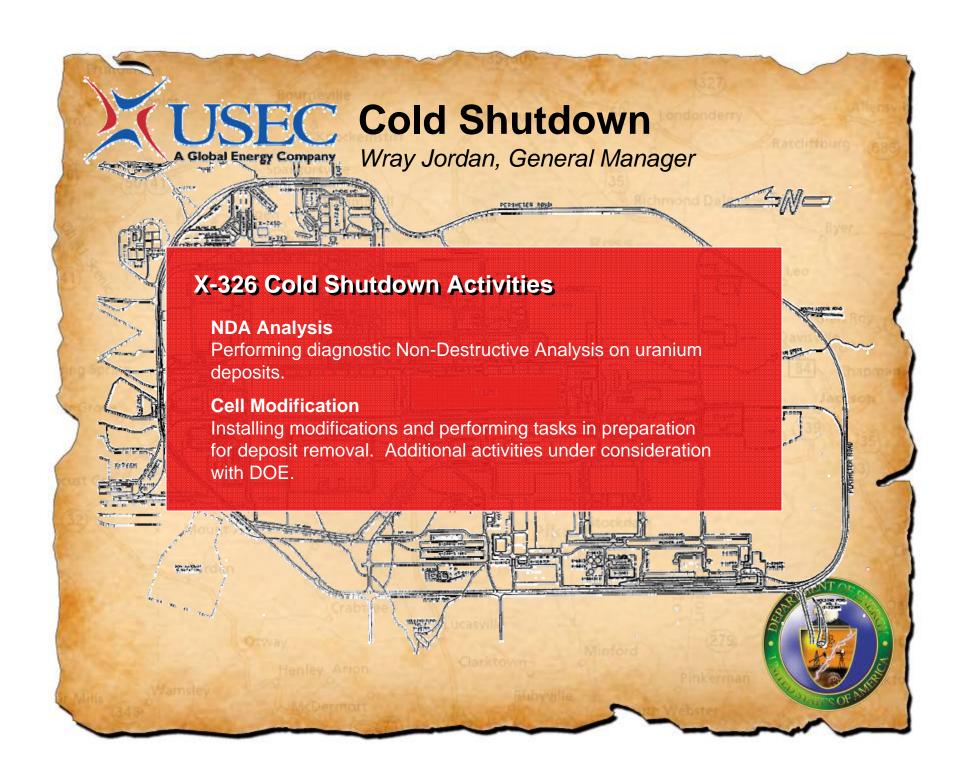


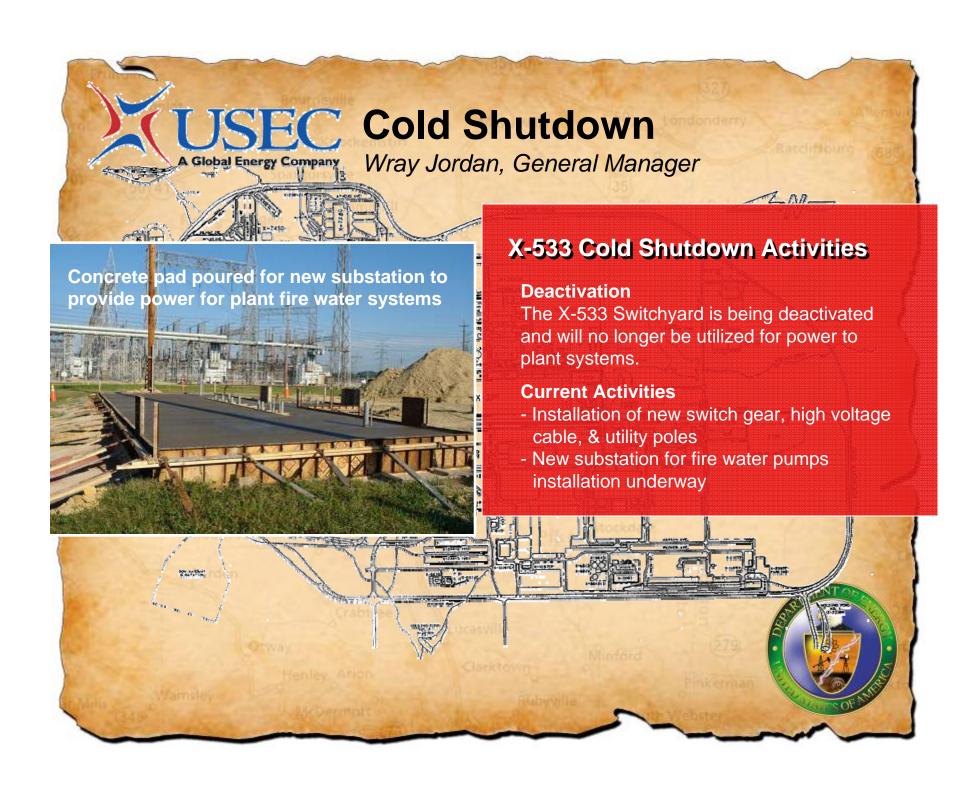


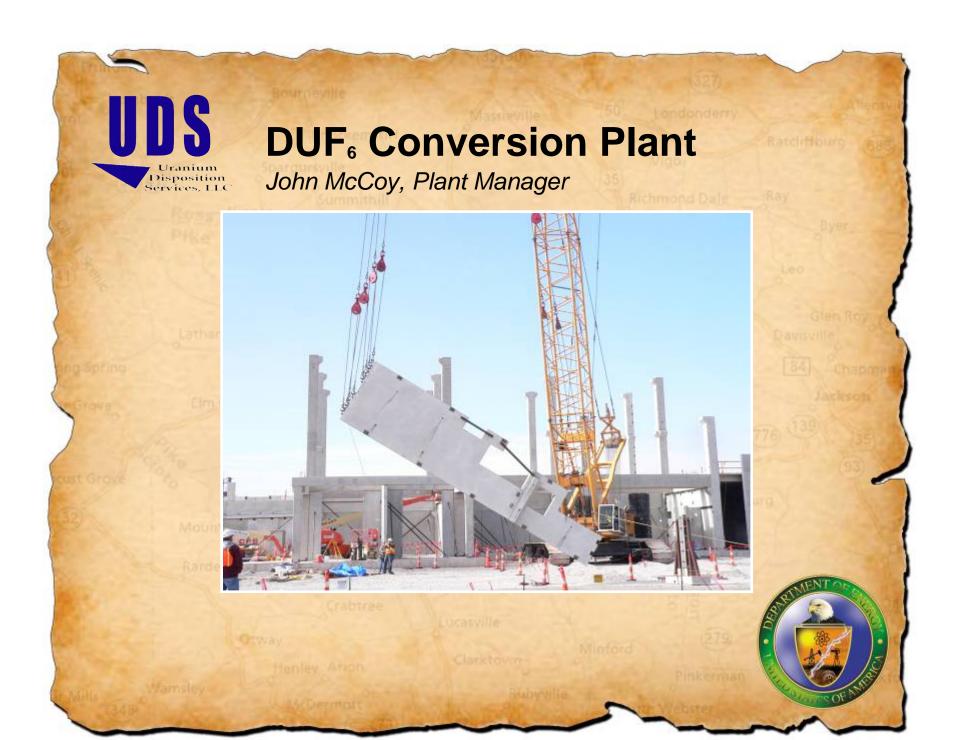




Installation of Electrical Conduit to provide power to dry pipe fire suppression system in X-330.









DUF₆ Conversion Plant

John McCoy, Plant Manager

- Construction is complete as of May 20, 2008
 - All systems and facilities are turned over to testing or operations
 - The construction staff is now less than 60 from a high of 240
 - Remaining construction staff is completing documentation, inspections, and making minor repairs/installations based on operations and testing support needs





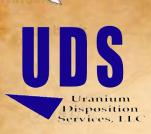
DUF₆ Conversion Plant

John McCoy, Plant Manager









DUF₆ Conversion Plant

John McCoy, Plant Manager

- Operations and Testing Activities
 - System testing will continue into early 2009
 - Operations staff (including testing group and subcontractors is now approaching 100 and will grow to over 160 over the next 2 years
 - Operational readiness reviews will start after testing is completed, followed by full scale conversion operations



Rodger Carter, Division Manager







Rodger Carter, Division Manager

Scope of Work

- Human Resources Management
- Surveillance and Maintenance of Facilities
- Janitorial Services
- Roadway / Parking Lot / Grounds Maintenance
- Computing and Telecommunication
- Fleet Management
- Real and Personal Property Management
- Records Management and Document Control
- Site Security
- Waste Management and Pollution Prevention
- Other activities





Rodger Carter, Division Manager



Personnel Statistics

- 43 hourly workers represented by United Steel Workers (USW) Union Local 5-689
- 51 salaried workers
- Approximately 40 subcontractors
- TPMC employees reside in eight Ohio counties (Pike, Scioto, Ross, Jackson, Vinton, Hocking, Highland, Brown) and two Kentucky counties (Greenup and Lewis)



Rodger Carter, Division Manager



- Watch signs
- Slow down
- Obey weight limit









'Looking to the Future'

5-Year Planning Budget:

Dollars in Thousands

Morganto	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Portsmouth	242,561	284,963	253,970	261,766	267,787

- Site Priorities for FY 2009:
 - Complete shutdown and demobilization after successful completion of Technetium-99 project
 - Continue operational readiness reviews and testing for Depleted Uranium Hexafluoride (DUF₆) Conversion Facility in support of future operations
 - Complete Cold Shutdown activities in the former gaseous diffusion operations facilities and transition towards D&D activities
 - Complete X-701B oxidation injection system field treatment activities, and complete Quadrant II remedial actions, which are the last remedial actions at Portsmouth until D&D project
 - Complete disposition of converter shell project





D&D of the Gaseous Diffusion Plant will signify the beginning of the second major cleanup effort at the site.



'Looking to the Future'

- Planning for D&D of the Gaseous Diffusion Plant
 - Initial contract awarded: Environmental Technical Services support to DOE awarded to Restoration Services, Inc. on June 25, 2008
 - A Draft Request For Proposals for the Management and Integration (M&I) contract for initial D&D work to be issued
 - Contract to provide for a 5-year base with a possible 5-year option
 - Further information available on the Environmental Management Consolidated Business Center (EMCBC)
 Portsmouth Procurement website:

http://www.emcbc.doe.gov/PPPO_Main_Site/

'Looking to the Future'

- The Challenges Ahead...
 - Determining future end use and final vision for the site
 - Environmental evaluation of D&D restoration and waste alternatives
 - Assess potential for recycling and reutilization of equipment, metals, concrete debris
 - Maintaining skilled / trained workforce
- Input from the EM Site Specific Advisory Board, public, and regulators will be essential elements in the decision process

Information Resources

Department of Energy's Environmental Information Center

Location: OSU Endeavor Center, Room 220, Piketon, Ohio

Telephone: (740) 289-8898

E-mail address: eic@falcon1.net

Information websites

U.S. Department of Energy: www.energy.gov

United States Enrichment Corporation: www.usec.com

LATA/Parallax Portsmouth: www.lpports.com

Theta Pro2Serve Management Company: www.tpmcllc.com

Uranium Disposition Services LLC: www.uds-llc.com

Environmental Management Consolidated Business Center (EMCBC) Portsmouth Procurement website: www.emcbc.doe.gov/PPPO_Main_Site/