

SEVEN LINES

DUF6 Operations

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Mid-America Conversion Services is a joint venture that blends the strengths of its partners into a single cohesive team





FLUOR

Program Management, Nuclear/Chemical Operations, Commercial Waste Processing Expertise

Conversion Program Management, Engineering, Design Operations Experience,

Efficient integration into the Paducah and Portsmouth sites



DUF6 Conversion Project

- > DUF6 resulted from uranium enrichment process at three Gaseous Diffusion Plants (GDP) in Portsmouth, OH, Paducah, Kentucky, and Oak Ridge, Tennessee.
- > DUF6 placed in steel cylinders that accumulated over time in site storage yards.
- Facilities constructed at Portsmouth and Paducah to convert DUF6 into aqueous hydrofluoric acid (HF) for recycle into commerce and stable uranium oxide for storage, beneficial reuse, or disposal.

Approximately 800,000 total metric tons initial DOE inventory



OFFICE OF ENVIRONMENTAL MANAGEMENT

DUF6 Conversion Project

DUF6 Mission

> Operate conversion facilities to safely convert DUF6 into a more stable chemical form (oxide) for beneficial reuse or disposal thus reducing immediate and future risk to workers and surrounding community.



First 18 Months of Contract

- > PORTS had not operated in previous 2 1/2 years
- > Significant training weaknesses identified at PORTS and PAD
- Minor corrective maintenance work packages drove excessive shutdowns
- Frequent safety occurrences and pauses
- Plant Operational Uptime at 12%



Improvement Initiatives

> Training - Fixed Highest Priority Issues Promptly

- Committed early to highly qualified workforce
- "All Hands-On-Deck" approach Everybody helped!
- Longer Term improvements ongoing

> Engaged Workforce

- Safety Initiatives and Safety First advocacy
- Job tasks and approaches in work packages

> Listened and Engaged Quickly, Decisively and Effectively

- Plant Manager directly involved
- Short turnaround times
- Communications
- Formed "focused task teams" to address most urgent
 - > labor force played key roles on teams



Improvement Initiatives...continued

>Implemented Long-Term Plant Improvements

- Reduced worker time in hazard area
- Modifications made tasks easier to perform
- New equipment has higher reliability

> Voluntary Protection Program participation

- Process of self-assessing was valuable
- Demonstrated to workforce we were committed to worker involvement
- Portsmouth achieved STAR Status!
 - >Paducah next

• Workforce is proud of where they are at - and want to do more

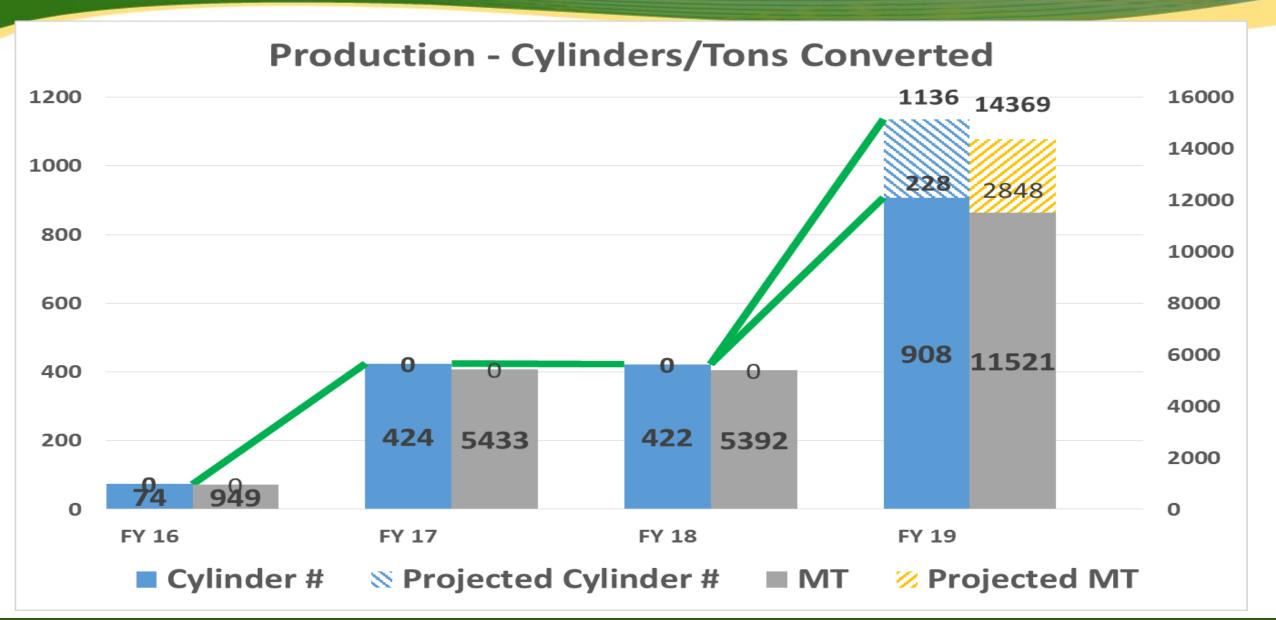


Today

- > PORTS/PAD are fully operational
- > 7 Lines operating has been demonstrated
- Most training deficiencies resolved and program improvements continue
- Corrective maintenance packages similar to prior year can now be completed and lines returned operational within 48 hours (Rebound)
- Demonstrated Plant Operational Uptime 70% over 6-month period









Closing Summary

Non-standard/defective cylinders are challenging and present project risk

DOE – MCS interface is good

> Safety initiatives successful

