



*Facilitating the OH Initiative
Through Technology Applications*



USING VM TO INFUSE INNOVATIVE TECHNOLOGIES INTO DOE ENVIRONMENTAL REMEDiation PROJECTS



**Government Value Management Conference
June 12, 2003**



*Using Innovative Technologies and
Waste Minimization to Support
Closure of the Ohio Sites by 2006*

Ohio Field Office



TOPICS

- 1. The DOE Environmental Management (EM) Program**
- 2. The Ohio Field Office Closure Projects**
- 3. The Ohio VM Program Evolution**
- 4. Major Changes in DOE**
- 5. Results**
- 6. Future Course**



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THE DOE EM PROGRAM

- 6. Formed in 1987**
- 7. Original estimate \$700 Billion finish in 2070**
- 8. In 1995 committed to Congress to close Rocky Flats and four Ohio sites by 2006**
- 9. FY 2004 EM Budget request is \$7.2 Billion**



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OHIO FIELD OFFICE SITES

- **Fernald \$250 M/year - Greenfield**
- **MOUND \$93 M/year - City Industrial Park**
- **Columbus \$16 M/year - Return to owner**
- **Ashtabula \$16 M/year - Return to owner**



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VM AND TECHNOLOGY IN OHIO

- **Started in 1994**
- **Inter-agency Agreement with Bureau of Reclamation**
- **VM + Technology = Success**



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OHIO VM PROGRAM HISTORY

- **Over 15 formal studies covering all sites**
- **Use Office of Science and Technology (EM-50) to provide people and funds**
- **Produce >\$20 M of immediate cost savings/avoidance**
- **Produced many “fall-back” saves**
- **“The one that got away”**
- **VM Program in Decline**



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MAJOR CHANGES IN DOE

- **“Top to Bottom” review**
 - **Closure sites increased from 5 to 30**
 - **Complete reorganization**
- **Cost Plus Incentive Fee Contracting**
- **DOE Order 413.3**
 - **Requires VM**



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MIAMISBURG CPIF CONTRACT

- **Request for Proposal**
 - **Finish by October 2006, Cost not to exceed \$310M**
- **Winning Bid**
 - **Close by March 2006, Cost not to exceed \$291 M**
- **Fee Structure**
 - **Target Fee = 8% or \$23.3 M**
 - **Minimum Fee = 2% or \$5.8 M**
 - **Maximum Fee = 12% or \$34.9 M**
- **Share Line**
 - **Government 70%, Contractor 30%**



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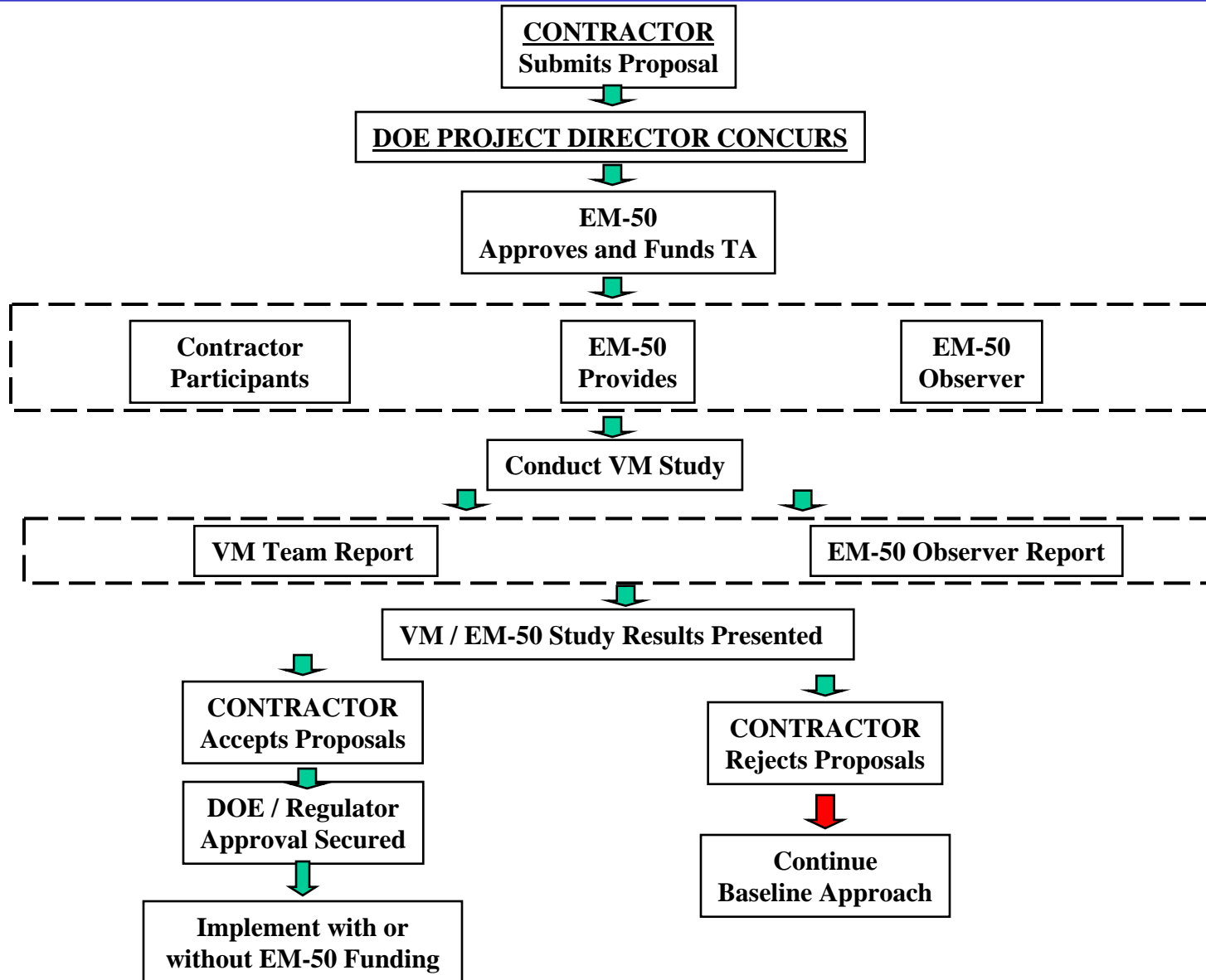
MAJOR CHANGES IN OFFICE OF SCIENCE & TECHNOLOGY

- **Transfer Science Program**
- **Provide Technical Assistance to closure sites (\$5 M in TA funding)**



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VALUE MAN TO THE RESCUE



- **AS IS:** Excavate/Ship 4.3 M cubic feet of contaminated and suspect soil from MOUND to Utah for ~\$35 M
- **RESULT:** Three proposals using state-of-the-art technology will keep up to ~40% of the soil on-site as clean which will result in ~\$7 M cost savings/avoidance
- **KEYS TO SUCCESS:**
 - Complete Pre-Study Phase
 - Maintain Flexibility (schedule, duration, and scope)
 - Right Team Member Selection = Synergy
 - Involved All Four Ohio Field Office Projects



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SUCCESS BREEDS SUCCESS

- **The future of Ohio's VM program is now bright**
 - **Ashtabula next week**
 - **Miamisburg in July**