S&M and Life Extension: Making the Tough Decisions









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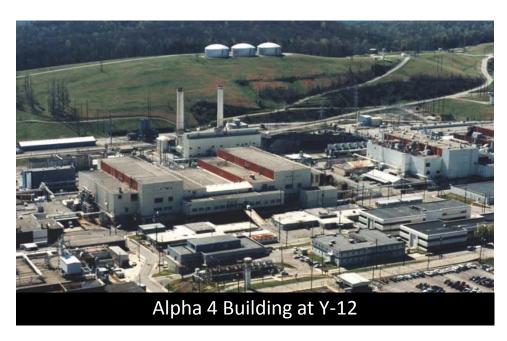




- Oak Ridge Office of Environmental
 Management (OREM) responsible for
 - 300+ operating and excess facilities at ORNL and Y-12
 - Many facilities have maintenance issues and present risk

Examples of high-risk facilities at ORNL and Y-12









Deferred maintenance is about making tough decisions





DOE took actions to address maintenance risks



- DOE-HQ directed evaluations of excess facilities
- DOE-OREM established a Surveillance & Maintenance Integrated Project Team to address maintenance issues
- Team developed a risk-based ranking process; incorporated into Oak Ridge budget request

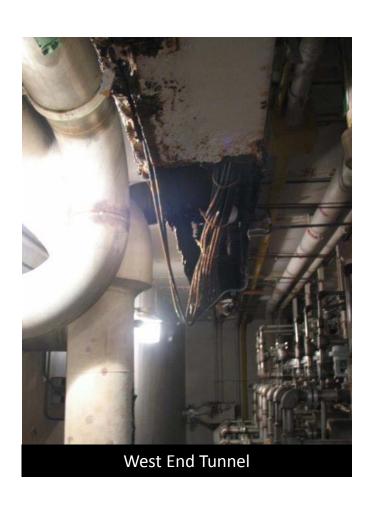
Integrated Priorities List summarizes risk and maintenance needs



- Integrates facility conditions, required maintenance, future upgrades, and excess facilities
- Uses weighted factors to determine priority score
- Used by DOE and UCOR as a basis for funding requests

Examples of what can happen when maintenance is deferred



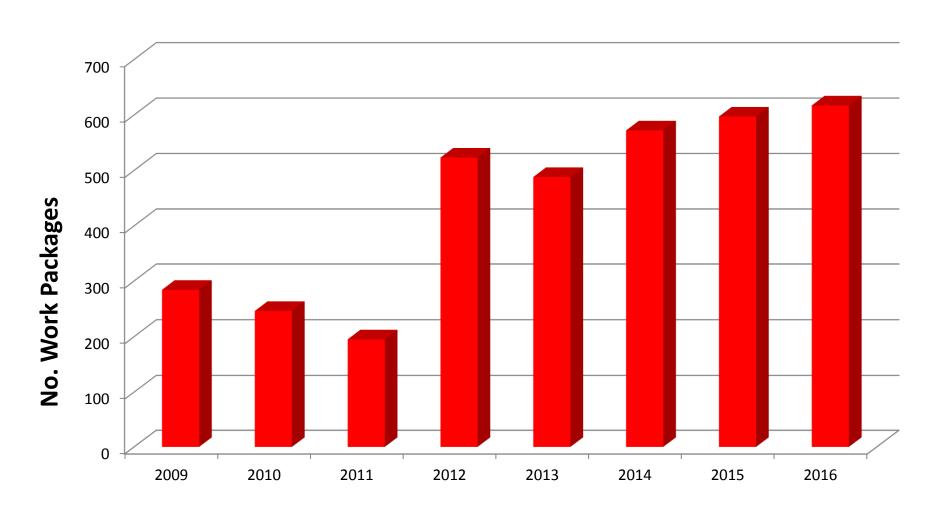






Increased maintenance activities for ORNL aging facilities





Addressing maintenance needs









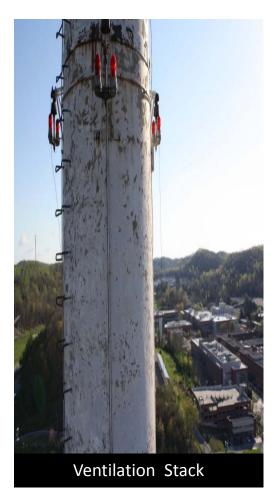


Solid Waste Storage Area Well Pump

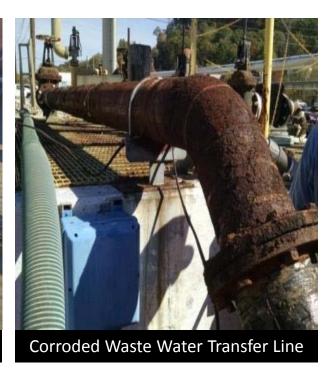
Discharge Line Leak

Addressing maintenance needs (Cont.)









Electrical issues at aging facilities





Degraded Power Supply For Exhaust Fan

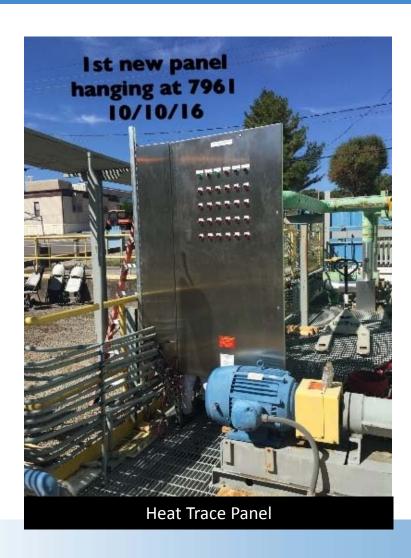


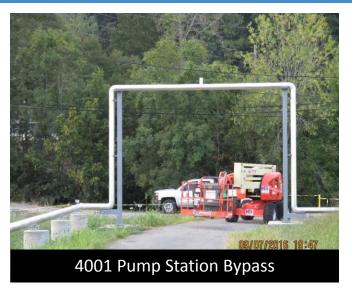


Obsolete Motor Control Center

Managing challenges – LGWO lifecycle initiatives



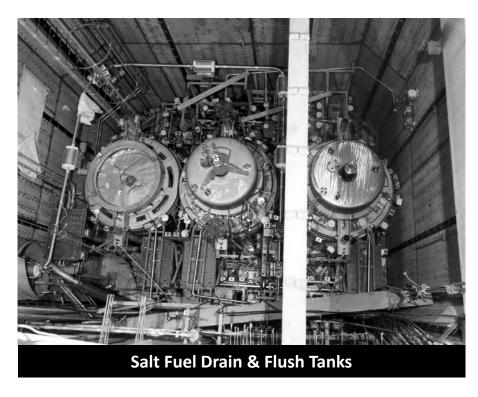






Managing Challenges – Molten Salt Reactor Experiment







Challenges are ongoing



- Volume of work continues to grow
- Funding to address priorities is limited competition for funds
- Priorities are constantly changing
- Continued efforts to address common challenges
 - Pump/Motor Improvement Team
 - Overcurrent Protection/Electrical Excellence Team
 - Pipe/Pressure Boundary leaks pipe repair/replacement