

CONDITION ASSESSMENT GROUP MEETING

October 2010

Site Presentation

Presented by:

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Pantex Plant – Condition Assessment Status Update



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Pantex Plant, located 17 miles northeast of Amarillo, Texas, in Carson County, is charged with maintaining the safety, security and reliability of the nation's nuclear weapons stockpile. The facility is managed and operated by B&W Pantex for the U.S. Department of Energy/National Nuclear Security Administration.

❑ Infrastructure

- Pantex covers approx. 16,000 acres (about 25 square miles).
- About 2,500 acres are utilized for Plant operations. Pantex consist of 638 buildings containing 3,112,548 square feet.
- FY10 replacement plant value is approx. \$4.0 billion excluding programmatic real property, mobile equipment, land owned by DOE, and land leased from Texas Tech University.

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- ❑ Each asset will have a CAS inspection done at least every five years (per DOE 430.1B).
- ❑ **CAIS Database values as of 9/29/10**
 - 42,219 = Number of Inspection Units (IUs) being tracked in CAIS
 - \$173,979,396 = Total DM that has been completed
 - \$317,060,333 = Outstanding deferred maintenance (DM)
 - \$654,968,040 = Non-DM amount
 - \$972,028,373 = Total CAIS value (DM and Non-DM)
 - \$36,898,664 = Total CAIS value (Inventory Only IU's)
 - \$1,008,927,037 = Total CAIS value (Inventory Only IU's do not go against DM)
- ❑ **FY10 DM Reduction**
 - ✓ \$477,497 – completed through in-house corrective maintenance (reviewed 4,284 Work Orders (WOs))
 - ✓ \$571,342 – Demolished
 - ✓ \$22,873,426 – Projects (i.e. Direct Hire, GPP, etc. \$17m by FIRP)
 - ✓ \$23,922,265 – Total DM completed for FY10

Deferred Maintenance

✓ Steam Main Line Deteriorated Insulation



✓ Ramp Window



✓ Domestic Water Main Line Failure



✓ Steam Loop Expansion Joint Failure

Deferred Maintenance

- ❑ Due to RTBF funding constraints, there is currently no funding mechanism to address DM outside of the FY03 and FY04 baselines.
- ❑ The FY03 deferred maintenance has continued to decrease; however, the current total deferred maintenance backlog is continuing to increase.
- ❑ The actual DM growth is more than likely higher than what is reported due to the suspension the condition assessment inspections in FY09. For FY11, we are re-evaluating our specific CAS inspection needs to ensure all of our facilities continue to be re-inspected within the 5-year inspection requirement (430.1B).
- ❑ Increased deterioration is evidenced by the large number of failures and degradation the site is experiencing. The amount needed to sustain both the infrastructure and operational needs of the plant was included in the site's budget request.

Immediate Needs for the Future

- ✓ Adequate funding to support CAS inspections
- ✓ Bring CostWorks Portfolio model on-line
- ✓ EES CAIS database enhancements that make the database a better reporting tool and more user friendly!



Be careful inspecting!



Questions!

