

Award Fee Evaluation Period 2 Determination Scorecard

Contractor: Fluor-BWXT Portsmouth LLC
Contract: DE-AC30-10CC40017

Award Fee Evaluation Period: Fiscal Year 2018 (October 1, 2017 to September 30, 2018)

Basis of Evaluation: Performance Evaluation and Measurement Plan for Fluor-BWXT Portsmouth LLC



Categories of Performance: Subjective \$7,256,333 PBI: \$16,931,444

Award Fee Available: \$24,187,777 Award Fee Earned: \$17,333,445

Categories of Performance Award Fee

Award Fee Area Adjectival Ratings

Award Fee Available: 30% of total available fee (\$7,256,333 available).

1. Quality and Effectiveness Performing the DOE Contract to include Project Management (60%) (CP-1):  Very Good (83%)
2. Quality and Effectiveness in Performing ESH&Q & Regulatory (40%) (CP-2):  Very Good (85%)

The fee awarded based on these adjectival ratings is: \$6,080,807 (83.8%)

This amount takes into consideration FBP's overall performance in the aggregate, both positive and negative. FBP met overall cost, schedule and technical performance and exceeded some of the significant award fee criteria.

Quality and Effectiveness Performing the DOE Contract to include Project Management: The contractor has exceeded many of the significant award fee criteria and has met overall cost, schedule, and technical performance requirements of the contract in the aggregate.

The specific contractual accomplishments include:

- Strategic planning and management of FBP has improved as the site is now moving forward with a challenging and integrated cleanup program that simultaneously includes disposal facility development, deactivation work in multiple buildings to prepare buildings for demolition and disposal in the cell, and planning for remediation and excavation projects that will provide engineered fill for the demolition debris.
- The construction of the on-site waste disposal facility (OSWDF) infrastructure is well underway and cut and fill operations to develop the site are proceeding ahead of schedule and under cost.
- Maintained a very competent waste transportation program through this time and has also pursued a site wide hazardous chemical removal initiative.
- Increased senior management attention to schedule management, performance metrics, and schedule completeness.
- Took decisive steps to improve cost control during the period, and workforce management and cost effectiveness has improved in several areas.
- Measures were taken by FBP to decrease overhead in the second half of FY 18 which resulted in a 5% reduction in gross overhead cost realizing a \$2.3M reduced cost from the first half.
- Completed start-up and hand-off to operations of the cold box installation in X-342; no pre-start findings were identified.
- Protective Force (PF) management was responsive and proactive in supporting the active PPPO Design Basis Threat (DBT) initiative to include supporting the X-333 Material Sizing Area Readiness Assessment.
- Effectively managed Safeguards and Security spending as the site encountered an unplanned reduction of funding from the early departure of a site tenant.
- The Nuclear Material Control and Accountability (NMC&A) Group was active in supporting the prioritization and removal of Special Nuclear Material (SNM) and other target material, supporting site risk reduction and the PPPO DBT implementation initiative.
- The nondestructive assay (NDA) program experienced significant improvement, but continued to have quality problems. NDA completed in excess of 300,000 individual measurements and issued over 2,000 reports in the reporting period.
- FBP was proactive in utilizing automated equipment to improve worker safety and productivity in the X-333 deactivation; this includes a robotic system to measure uranium holdup inside piping and state of the art equipment to segment converters and measure compressors.
- Emergency Management program demonstrated noted improvement as evidenced by improved site communication and coordination with DUF6 Conversion operations, increased utilization of Web EOC in site drills/exercises through FY18, and the submittal of a site wide hazard survey and recent draft comprehensive Emergency Planning Hazard Analysis/Emergency Action Levels.
- Positive trend in first eliminating the backlog of delinquent Preventative Maintenance (PM) tasks and then maintaining that status.
- Improved infrastructure project performance in FY18 completing a number of projects with successful turnover to operations.

Quality and Effectiveness in Performing ESH&Q & Regulatory: The contractor has exceeded many of the significant award fee criteria and met overall cost, schedule, and technical performance requirements of the contract in the aggregate.

Specific contractual accomplishments include:

- FBP safety performance and safety metrics have been well below Environmental Management (EM) targets for Total Recordable Cases (TRCs)- 1.1; and Days Away, Restrictions and Transfers (DARTs) -0.6; FBP rates were 0.68 and 0.26 respectively. In addition, FBP logged 3.5 million work hours without a lost time accident earlier this year which is a new record for the contract.
- The strides in FBP safety statistics are largely attributable to FBP management's continuing efforts, initiatives, and focus on this topic since contract inception. The statistics are accompanied by an improved safety culture at the site. DOE performed a Safety Culture Assessment of FBP in November 2017. The team found a marked improvement in safety culture since the prior assessment in 2012.
- FBP supported the Department in the process to return an 80 acre parcel of the site to the community. FBP developed and implemented the Environmental Baseline Survey and the Sampling and Analysis Plan for the parcel. FBP also performed numerous additional activities during the process to support this important return including the arrangements for the transfer ceremony.
- The contractor has also worked with DOE to improve communications with the public. The site envoy program continues to improve and the interactions with the fence line neighbors have been constructive. FBP has also been attentive to presentations to the Site Specific Advisory Board, the presentations have been excellent and very good information has been disseminated.
- Science Alliance and Science Bowl planning and execution was excellent.
- FBP also sought to improve accessibility for people in the community by holding well-staffed public community meetings in four local county venues in order to provide the opportunity to ask questions and interact with site individuals in a one on one exchange.
- Continued to demonstrate a strong North American Electric Reliability Corporation Compliance Program and demonstrate a culture of compliance within both the reliability standards and Critical Infrastructure Protection requirements.
- FBP has been active in supporting PPPO in obtaining multiple regulatory approvals from Ohio EPA and DOE for the disposal facility.
- An important accomplishment during the period which FBP had supported was the completion of a Natural Resources Damages Assessment for the site, the agreement is titled "Director's Final Findings and Orders for CERCLA Actions to Restore Natural Resources."
- FBP's design and regulatory documents for the disposal facility have been of high quality.










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- Overdue PM rates on safety-related equipment remained low.
- FBP received a letter of compliance after Ohio EPA completed an Air Compliance Inspection in November 2017. No violations were found.
- U.S. EPA and Ohio EPA conducted their annual RCRA Inspection in April and July of 2018, respectively. No notices of violations were identified.

Performance Based Incentives (PBIs) Award Fee

PBI Fee Available: 70% of total available fee

PBI 2.1 – X-326 Cold and Dark and Ready for Demo (28%)	 Not Met (0%)
PBI 2.2 – X-333 MSA Operational (9%)	 Met (100%)
PBI 2.3 – X-333 Converter Segmenting Process Demonstration (14%)	 Partially Met (64%)
PBI 2.4 – Complete FY18 Maintenance Projects (8%)	 Met (100%)
PBI 2.5 – 5% Property Transfer and Footprint Reduction (2%)	 Met (100%)
PBI 2.6 – X-330 MSA Design and Cell Prep for MSA Complete (14%)	 Met (100%)
PBI 2.7 – Completion of FY18 Nuclear Operations Activities (5%)	 Partially Met (90%)
PBI 2.8 – Completion of FY18 OSWDF Elements (11%)	 Met (100%)
PBI 2.9 – X-333 Compressors – 75 Complete (9%)	 Met (100%)

PBI Fee Earned: The overall fee awarded, based on completion of the PBI activities, is 66.46%: \$11,252,638.