

Award Fee Evaluation Period 5 Determination Scorecard

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

Award Fee Evaluation Period: Fiscal Year 2015 (October 1, 2014 to September 30, 2015)

Basis of Evaluation: Award Fee Plan for Fluor-BWXT Portsmouth, LLC Award Fee Evaluation Period 5

Categories of Performance: Subjective: \$4,280,759 PBI: \$9,988,437 Stretch: 50%

Award Fee Available: \$14,269,196 **Award Fee Earned: \$10,503,998 (73.6%)**

Categories of Performance Award Fee

Award Fee Area Adjectival Ratings

Base Fee Available: 30% of total available fee (\$4,280,759 available).

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

● Good (71%)
● Satisfactory (50%)

The fee awarded based on these adjectival ratings is: **\$2,679,755.**

(71%)\$2,568,455 + (50%)\$1,712,304 = \$2,679,755.

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 some of the significant award fee criteria and met overall cost, schedule and technical performance requirements of the contract in the aggregate. FBP had a number of highly significant accomplishments in performing the contract work covered by CP-1. In particular, FBP is performing very well in the areas of waste shipping and disposal, supporting DOE project and technical requirements for the on-site waste disposal facility, and nuclear operations to support uranium transfer. The specific contractual accomplishments include:

- FBP continued to excel and exceed contract requirements in the safe shipping of large amounts of newly generated and legacy waste for the project. FBP met all PBIs associated with waste shipping, and the Portsmouth D&D project remains the most significant shipper of waste by truck in the DOE complex and also the most significant shipper of waste to the Nevada National Security Site (NNSS) disposal facility.
- FBP exceeded contract requirements in working with DOE Portsmouth/Paducah Project Office (PPPO) and Headquarters (HQ) to coordinate this cost effective but complex approach to ship this waste stream due to the presence of ²³³U in parts per million concentrations. This innovative approach saved the Department an estimated \$400M. The shipments in 2015 included 5,772 drums of Lot 14 waste which were shipped using Federal Drivers.
- FBP exceeded expectations in their work to develop an on-site waste disposal facility for some of the waste from the Portsmouth D&D project. This work included design work and design reviews to support the (Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and DOE decision processes. The work also included cost estimates and cost and project reviews to support the budgeting and project management decision making and approval processes.
- Immediately following necessary project approvals, FBP awarded a subcontract to begin Critical Decision (CD)-3A site preparation work for the on-site waste disposal facility capital line item project. Proactive project planning facilitated immediate work performance after approval.
- FBP continued to exceed contract requirements to safely transfer excess uranium into compliant cylinders in support of the uranium transfer program.
- FBP developed an innovative sampling, processing, and packaging pathway to disposition highly enriched uranium fluoride solids. FBP has also been able to adopt the use of a new Type A package for liquid waste disposal which will provide a disposal pathway for flame tower ash waste. These two waste streams have presented technical challenges to the Department for many years, FBP developed innovative and cost effective approaches to deal with both of these streams this year.
- FBP has improved in the management and planning of maintenance activities. The deferred maintenance backlog is declining and FBP has been actively participating in the Environmental Management (EM) deferred maintenance management initiative. FBP is also effectively using the system health report to status facilities and plan maintenance activities.

Quality and Effectiveness in Performing ESH&Q & Regulatory: The contractor has met overall cost, schedule, and technical performance requirements of the contract in the aggregate. FBP had a number of significant accomplishments in performing the contract work covered by CP-2. FBP supported the Department in finalizing the two strategic Records of Decision for the project. Specific contractual accomplishments include:

- FBP met the high expectations and requirements in support of the DOE and the Ohio Environmental Protection Agency (Ohio EPA) in; development of a Record of Decision (ROD) for Waste Disposition for the Portsmouth D&D Project (June 30, 2015), development of a ROD for D&D of the Process Buildings for the Portsmouth D&D Project (July 30, 2015), and evaluation of a proposed Corrective Action Management Unit (CAMU) for Trichloroethylene levels. The two RODS and the CAMU were well conceived and carefully coordinated with the existing Consent Decree requirements at the site. FBP provided valuable support to the Department in obtaining input from the community, developing the regulatory approach, and in responding to comments from Ohio EPA.
- FBP maintained strong and technically credible programs for nuclear safety and nuclear material control and accountability.
- FBP met the high expectations in radiological safety while executing work in X-326 Unit 25-7, the high isotopic and purge cascade of the X-326 building. The "high-end" of the Portsmouth cascade included the highest assays of uranium and the greatest concentrations of technetium-99. FBP recognized these conditions, and applied process knowledge and lessons learned and did an excellent job of planning the work to identify and manage the hazards of this particular unit.
- FBP maintained its position as a valuable partner in stakeholder outreach and communications, hosted numerous site tours for the public, effectively worked with the Site Specific Advisory Board, helped to host the Portsmouth Science Alliance for local area High School students, prepared and displayed story boards for the site in multiple community locations, and helped to host the formal public meetings to present the proposed plans for waste disposition and process building D&D to the public.

Performance Based Incentives Award Fee

Performance Based Incentive Fee Available: 70% of total available fee (\$9,988,437 available).

1. Cut, Cap, and Remove Process Gas Equipment (PGE) from X-326 (47%)
2. Ship PGE from X-326 (31%)
3. Deploy Criticality Incredible Data Management System (CIDMS) (4%)
4. Complete X-530 MV Project (4%)
5. Nuclear Material Disposition (7%)
6. Waste Shipments (7%)

● Partially Met (\$2,530,371)
● Met (\$3,096,416)
● Met (\$399,537)
● Met (\$399,537)
● Met (\$699,191)
● Met (\$699,191)

Performance Based Incentive Fee Earned: The overall fee awarded is based on completion of most of the PBI activities is 78.33%: **\$7,824,243.**