Contractor: Bechtel National, Inc.

Contract: Waste Treatment and Immobilization Plant

Contract Number: DE-AC27-01RV14136

Award Fee Period: January 1 to December 31, 2024

Basis of Evaluation: Calendar Year 2024 Award Fee which is available at here.

Award Fee Scorecard:

Bechtel National, Inc. (BNI) has earned an award fee of $14,208,000 for the performance period of January 1 to December 31, 2024 for the work on the High-Level Waste (HLW) Facility portion of the Waste Treatment and Immobilization Plant. The fee awarded to BNI is approximately 94.7 percent of the $15,000,000 award fee available. BNI's performance was evaluated against seven criteria. BNI received four "excellent," one "very good," and two "good" performance ratings for those criteria and an overall performance rating of "excellence."

Table 1. Award Fee Recommendation.[a]

Award Fee		Award Fee Available	Adjectival Rating	Percentage of Award Fee Earned	Award Fee Dollars Earned
1	HLW Facility Execution Approach Changes – 15 percent	$2,250,000	Excellent	96 percent	$2,160,000
2	HLW Facility "De-Risking" Activities in Support of the Design Completion Period – 15 percent	$2,250,000	Excellent	96 percent	$2,160,000
3	HLW Facility Design and Nuclear Safety – 12 percent	$1,800,000	Excellent	96 percent	$1,728,000
4	HLW Facility Procurement – 6 percent	$900,000	Good	75 percent	$675,000
5	HLW Facility Construction – 6 percent	$900,000	Good	75 percent	$675,000
6	HLW Facility Cost / Schedule Performance – 6 percent	$900,000	Very Good	90 percent	$810,000
7	CY 2024 EPC Completion Objectives – 40 percent (see Table 5)	$6,000,000	Excellent	100 percent	$6,000,000
CY 2024 Total Available Fee Pool		**$15,000,000**	***Note (a)**	**94.7 percent**	**$14,208,000**

*[a] Based on assumed planned workscope in CY 2024 of $250 million.

CY = calendar year.
EPC = engineering, procurement, and construction.
HLW = high-level waste.

Achievements:

- Demonstrated a strong commitment to completing the HLW design by 2027 with an emphasis on an integrated "system of systems" focus and an operations-centric design approach
- Implemented over 500 lessons learned into the HLW project from direct-feed low-activity waste, Salt Waste Processing Facility, Watts Bar, U.S. Department of Energy Idaho, La Hauge, Sellafield, and other complex projects to reduce risk
- Worked collaboratively with the U.S. Department of Energy to identify the primary risk reduction opportunities and has begun systematic implementation of the initiatives as part of the HLW design completion plan
- Successfully recruited talent to achieve a fully integrated, multi-functional, integrated team of qualified and experienced personnel for the project
- Developed or updated and implemented key nuclear safety and engineering documents
- Led a cross-contractor team to establish the HLW waste acceptance criteria range and integrated process to establish the point of compliance
- Integrated HLW code of record updates into procurement specifications to ensure procurements align with components and equipment available in the current marketplace.

Areas for Improvement:

- Construction oversight and execution of safety training of new construction workforce
- Work to establish early mockup functional testing of components and systems integrated testing to reduce risk of redesign
- Timeliness of construction material awards and resolution of field changes to support schedule achievement for planned construction activities.