

**PBI-4**

**Performance Based Incentive (PBI) Title: Demonstration Bulk-Vitrification System (DBVS)**

**Performance Fee available and assigned to this PBI: \$1,500,000**

**Additional Performance Fee in not available and assigned unless activated by written direction from ORP. If activated Performance Based Incentive (PBI): up to \$2,150,000**

ORP Assistant Manager:	ORP POC:	CH2M Manager:	CH2M POC:
T Smith	D Noyes		

**Desired Endpoint/Outcome**

The objective of this PBI is to continue the DBVS Research and Development Project to fully investigate the Bulk Vitrification technology application to effectively treat tank waste such that:

1. A net savings is achieved relative to the U.S. Department of Energy (DOE) established costs of treating the wastes via vitrification in the WTP,
2. All retrieved tank waste completes treatment via a combination of supplemental non-WTP treatment and treatment in the WTP, and
3. Wastes with high sulfate, chromate, or other chemical constituents that limit overall waste loading in glass are preferentially treated outside the WTP resulting in higher net WTP throughputs and efficiencies.

**Fee Payment Schedule**

Upon completion of each fee bearing milestone set forth herein Contractor will be paid incremental fee, in accordance with Contract Clause H.2, "Provisional and Incremental Payments of Fee."

**Fee Bearing Milestones**

1. Complete DBVS full scale dryer testing activities as a risk reduction measure prior to DBVS construction. The Contractor shall earn \$1,500,000 of incremental fee upon completion DBVS full scale dryer testing.
2. Demonstrate DBVS Tank Waste Immobilization Technology. Performance Fee: \$2,150,000. (The Performance Fee in not available unless activated by written direction from ORP.)
  - a. Achieve readiness to initiate construction. The Contractor shall earn \$500,000 of incremental fee upon completion of readiness to initiate construction. (The Performance Fee in not available unless activated by written direction from ORP.)
  - b. Complete Best & Brightest review and corrective action report. The contractor shall earn \$400,000 of incremental fee upon completion of corrective action report. (The Performance fee in not available unless activated by written direction from ORP.)
  - c. Complete DBVS Construction and perform testing for Area 31, Clean Soil and Glass Formers. The contractor shall earn \$500,000 of incremental fee upon completion of construction. (The Performance fee in not available unless activated by written direction from ORP.)

- d. Complete DBVS Construction and perform testing for Area 35, ICV Box Building. The contractor shall earn \$250,000 of incremental fee upon completion of construction. (The Performance fee is not available unless activated by written direction from ORP.)
- e. Complete DBVS Construction and perform testing for Area 37, Secondary Waste System. The contractor shall earn \$500,000 of incremental fee upon completion of construction. (The Performance fee is not available unless activated by written direction from ORP.)

**Government Furnished Services/Items (GFS/I)**

Provide DOE review/approval of Hanford Federal Facility Agreement and Consent Order or Tri-Party Agreement deliverables within 15 working days of receipt, except as specified below.

ORP will respond to all other Contractor submittals (e.g., Authorization Basis, Safety Analysis Reports, Baseline Change Requests) required to complete this activity within 15 working days provided the submittals are complete and ORP is provided with reasonable notice of the intent to submit.

**Definitions**

"GFS/I" are those work elements that the DOE commits to perform to support the completion of this PBI. If DOE cannot provide GFS/I as described herein, then it shall be treated as a change in accordance with Contract Clause I.64, Federal Acquisition Regulation 52.243-2, "Changes-Cost Reimbursement, Alt II."

**Signature Block**

\_\_\_\_\_  
Mark S. Spears, President  
and General Manager,  
CH2M HILL Hanford Group, Inc.

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Date

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Roy J. Schepens, Manager  
U.S. Department of Energy, Office of River Protection

\_\_\_\_\_  
Date