



U.S. DEPARTMENT OF  
**ENERGY**

West Valley Demonstration Project      Safety   Cleanup   Performance   Closure

**West Valley Citizen Task Force Meeting**

**Phase 1 Decommissioning-  
Facilities Disposition Contract**

**September 22, 2010**



 **Environmental Management**  
safety   performance   cleanup   closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_1

## Purpose and Scope

The scope of this contract includes the facility disposition portion of the work of Phase 1 Decommissioning. The Contractor has the responsibility for total performance under the contract, including determining the specific methods for accomplishing the work. This contract will be referred to as “WVDP Phase 1 Decommissioning-Facilities Disposition.”



**Environmental Management**  
safety   performance   cleanup   closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_2

## Contract Specifics

- Contract overview
- Contract scope
- Contract type
- Performance period
- Overview of RFP



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_3

## Contract Overview

- HLW Canister Relocation
- Facility disposition (portion of the work that constitutes Phase 1 Decommissioning)
- Maintenance and operational activities necessary to maintain the site
- Waste disposal
- Support for other DOE contractors



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_4

## Contract Scope

Services to be provided include but are not limited to:

- Project management and support services
- Site operations, maintenance, and utilities
- Permeable Treatment Wall (PTW) management
- High-Level Waste canister relocation
- Facility disposition
- Waste Tank Farm management
- NRC-licensed Disposal Area management
- Waste management and nuclear materials disposition
- Safeguards and security



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_5

## Project Management and Support Services

- Integrated Safety Management (including Environmental Management)
- Quality Assurance
- Engineering
- Business Administration
- Support to Other DOE Contractors



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_6

## Site Operations, Maintenance, and Utilities

- Provide for safe, economical, and efficient operation and maintenance of all project facilities



[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_7

## PTW Management

- Operation and maintenance of the Permeable Treatment Wall
- Disposition of soil catchment area



[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_8

## High-Level Waste (HLW) Canister Relocation

- Modification of existing facilities, as necessary
- Design, construction and operation of dry cask storage system for HLW
- Relocation of HLW Canisters to new system



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_9

## Facility Disposition

- Main Plant Process Building (MPPB) Demolition and Removal
- Vitrification Facility Demolition and Removal
- Balance of Site Facility Removal and Decommissioning
- Remote Handled Waste Facility (RHWF)
- Low-Level Radiological Waste Treatment System Operations



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_10

## MPPB Demolition and Removal

- Decontaminate Liquid Waste Cell, Uranium Product Cell
- Remove and process all liquids
- Complete utility isolations
- Remove structure to nominal 100' elevation (ground level), +/- 3'



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)

20797\_11

## MPPB Looking South



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)

20797\_12

## Vitrification Facility Demolition and Removal

- Decontaminate work cell
- Remove structure to nominal 100' elevation (ground level) +/- 3'



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_13

## Vitrification Facility



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_14



# RHWF

- Process remote handled waste as necessary
- Maintain facility in operable condition

# RHWF





## Balance of Site Facility Decommissioning

- Remove, demolish or maintain facilities as described in Attachment C-2 of Performance Work Statement
- Work includes removal of foundations and site restoration activities



www.wv.doe.gov  
20797\_17

## Balance of Site Facilities



www.wv.doe.gov  
20797\_18

## Low-Level Radiological Waste Treatment System Operations

- Continued operation of system to support water management requirements
- Evaluate and stabilize Lagoon 3 embankment



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_19

## Low-Level Radiological Waste Treatment System Operations



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_20

## Waste Tank Farm Management

- Operate, inspect, maintain, repair all necessary systems
- Operate Tank and Vault Drying System
- Characterize Tank 8D-4 contents, internal structures
- Remove Equipment Shelter, Condensers, and Con-Ed Building.
- Eliminate and/or control water infiltration into Waste Tank Farm from all sources



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_21

## Waste Tank Farm



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_22

## NRC-Licensed Disposal Area Management

- Inspect, conduct erosion monitoring, maintain, and repair NDA and NDA Cap
- Remove Liquid Pretreatment System
- Armor and protect NDA North Slope



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_23

## NRC-Licensed Disposal Area Management



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_24

## Waste Management and Nuclear Materials Disposition

- Characterize, process, package, and ship waste for disposal
  - Currently in storage
  - Generated or created during contract period
- Store orphan waste on site
- Obtain all necessary waste determinations
- Package TRU waste to WIPP WAC



**EM Environmental Management**  
safety ◊ performance ◊ cleanup ◊ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_25

## Waste Management and Nuclear Materials Disposition



**EM Environmental Management**  
safety ◊ performance ◊ cleanup ◊ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_26

## Safeguards and Security

- Ensure protection against:
  - Unauthorized access
  - Espionage
  - Loss or theft of property
  - Other hostile acts
- Maintain appropriate security clearances and control site access
- Maintain Information and Cyber-security programs



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_27

## Contract Type and Performance Period

- This contract is a Cost-Plus-Award-Fee, completion type contract with the performance period beginning July 1, 2011 and not exceeding seven years.
- This contract will be referred to as “WVDP Phase 1 Decommissioning-Facilities Disposition.”



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_28



## Overview of Draft Request for Proposals

- Draft Request for Proposals (RFP) was issued on August 30, 2010
- Amendment 001 to the Draft RFP was issued on September 9, 2010, on the procurement web site
- Comments in response to the Draft RFP will be due on September 22, 2010
- DOE may consider some or all comments received in response to the Draft RFP to prepare the Final RFP
- The Final RFP will be issued on an unrestricted basis



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv20e.gov](http://www.wv20e.gov)

## RFP Format

- Sections A – J of the Final RFP will become the contract
- Section K will be incorporated by reference into the contract
- Sections L and M contain the solicitation instructions and the basis for evaluation and award



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

[www.wv.doe.gov](http://www.wv.doe.gov)

20797\_30



## Section B – Supplies or Services and Prices/Costs

- **Cost-Plus-Award-Fee (CPAF) contract not to exceed seven years**
- **60-day transition period**
  - **No fee shall be paid during the transition period**
- **Contains two fee components**
  - **Award Fee**
  - **Performance Based Incentives (PBIs)**
- **The Contract will contain no base fee**



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

www.wv.doe.gov  
20797\_31

## Section H – Special Contract Requirements

- **(Clause H.8)—Key Personnel Replacement**
  - Specifies required Key Personnel
  - Specifies penalties if Key Personnel leave within 3 years of contract award or being placed in position
- **(Clause H.10)—Workforce Transition and Employee Hiring Preferences**
  - Contractor must give first preference in hiring to qualified incumbent employees for non-managerial positions for first 6 months after contract award
- **(Clause H.11)—Employee Compensation: Pay and Benefits**
  - Contractor must provide equivalent pay and benefits to incumbent employees
- **(Clause H.18)—Project Control Systems and Reporting Requirements**
  - Contractor must provide detailed Earned Value Management System Description of proposed project control system within 60 days of contract award
  - Contractor must submit a baseline within six months of the contract award date



**EM Environmental Management**  
safety ↔ performance ↔ cleanup ↔ closure

www.wv.doe.gov  
20797\_32

## Section H – Special Contract Requirements (cont'd)

- **(Clause H.40)—Performance Guarantee and Responsible Corporate Official**
  - Applicable if Contractor is a joint venture, limited liability company, or a newly formed entity
  - Requires parent organizations or all member entities to assume joint and severable liability for the performance of the contract
  - Requires Contractor to identify a single responsible corporate official, at a level above the Contractor, who is accountable for contract performance
- **(Clause H.43)—Mentor-Protégé Program**
  - Requires the Contractor to mentor at least one active Protégé company through the DOE and/or SBA Programs beginning 90 days of contract award and continuing throughout the contract period



[www.wv.doe.gov](http://www.wv.doe.gov)  
20797\_33