

FY 2001 – 2006 PERFORMANCE BASED INCENTIVE**SECTION 1
General Information**

Title: Vadose Zone Acceleration in Support of SST Farm Closure

Project Baseline Summary (PBS): TW04

Work Breakdown Structure (WBS): 1.1.4.4.3.3

Maximum Available Incentive Fee:

Superstretch: Fee Potential = \$199K¹

Type: Superstretch

¹\$1,327K BCWS + \$199K Fee = \$1,526K Funds**SECTION 2
Technical Contacts***ORP Point of Contact: L. Erickson/R. Yasek**Contractor Point of Contact: R. Raymond/R. Wilson***SECTION 3
Performance Expectations and Earning Schedule****Basis For Performance Incentive:**

As part of the Tri-Party Agreement, a series of milestones have been established for vadose zone characterization and evaluation under Resource Conservation and Recovery Act corrective actions. This superstretch accelerates some of the preliminary corrective actions, which reduce the potential for run-on from water lines or snow melt which could drive existing contamination further into the soil column. In addition, it provides necessary field support to a spectral gamma -monitoring contract that DOE has placed with MAC Technical Services Company (MACTEC) Environmental Remediation Services (ERS) to support the overall vadose zone characterization efforts.

General :

1. The contractor's final fee will be determined in accordance with clause H.1, Performance Based Incentives and Fee Distribution.
2. Performance Based Incentives may be modified to reflect changes to the Project Baseline resulting from external drivers, such as, submission and approval of TPA change requests for consistency purposes.
3. Acceptable product completion represents technical adequacy and good value to the government.

Specific Requirements:

1. Complete (1) construction of up-gradient surface water run-on controls at S/SX Farms – earn 17% of fee, and (2) leak testing the identified pressurized waterline at U Farm – earn 6% of fee. Complete by 09/30/01. (Earn 23% of fee)
2. Complete construction of up-gradient surface water run-on controls at T, TX and TY Farms. Complete by 09/30/01. (Earn 22% of fee)
3. Provide trained and qualified personnel to the MACTEC ERS gamma -logging contract for dry wells located within the Single-Shell Tank (SST) Farms for Fiscal Year (FY) 2001. Complete by 09/30/01. (Earn 20% of fee)
4. In preparation for fieldwork in C Waste Management Area (WMA), accelerate the compilation of A, AX, and C tank farms operational histories. Complete by 09/30/01. (Earn 35% of fee)

SECTION 4
Performance Requirements

DEFINE COMPLETION: *(Specify Performance Elements and describe indicators of success (quality/progress). Include baseline documentation/data against which completion documentation should be compared.)*

1. The interim measures are described in general in *RPP-5002, Rev. 1 (Engineering Report; Single-Shell Tank Farms Interim Measures to Limit Infiltration Through the Vadose Zone)*. Specific details will be as developed during the design phase. The general scope of work to be completed as scoped in the engineering report includes:
 - Run-on Controls at S Farm: Construct berms on the north side of the tank farm and add curbing outside the fence along the paved parking area north of the farm.
 - Run-on Controls at SX Farm: Construct berms outside the fence on the east of the tank farm.
 - Pressurized Water Line at U Farm: From outside the fence, leak test the 4-inch raw water line installed in 1951 that enters through the south fence and determine if waterline may be leaking. (This line is intended to support interim stabilization until about FY 2004.)
2. The interim measures are described in general in *RPP-5002, Rev. 1 (Engineering Report; Single-Shell Tank Farms Interim Measures to Limit Infiltration Through the Vadose Zone)*. Specific details will be as developed during the design phase. The general scope of work to be completed as scoped in the engineering report includes:
 - Run-on Controls at T Farm: Construct ditching on the east side of the farm.
 - Run-on Controls at TX Farm: Construct curbing on the east side of Camden Ave.
 - Run-on Controls at TY Farm: Construct ditching on the east side of Camden Ave.
3. Provide trained and qualified personnel to support to MACTEC ERS gamma logging in FY 2001.
 - By 05/24/01 and until the end of FY 2001, make a pool of personnel available to MACTEC ERS to be trained by MACTEC ERS personnel to operate the MACTEC ERS gamma logging truck.
 - Perform an Automated Job Hazard Analysis (AJHA) and safety analysis of the logging activity prior to 05/24/01.
 - Develop procedures for operation of the MACTEC ERS gamma logging truck prior to 05/24/01.
4. Accelerate the vadose zone characterization process by compiling relevant Tank Farm operational data for A, AX, and C tank farms in a manner similar to previous work (HNF-5231, Rev 0, *Historical Vadose Zone Contamination from B, BX, and BY Tank Farm Operations*). These activities support subsequent tank farm characterization work planning. Complete by 09/30/01.

DEFINITIONS: *(define terms)*

Interim measures: Actions of a preventative nature to mitigate possible risks by reducing the potential for migration of contaminants to groundwater beneath the tank farms. These actions are primarily designed to reduce run-on of surface water into the tank farms and to eliminate the potential for subsurface leakage of water from pressurized water lines that are no longer needed.

COMPLETION DOCUMENTS LIST: *(Name the Documents, Databases, etc., which will be submitted to show completion for each Performance Expectation.)*

1. Letter report and attachments from Subcontractor documenting completion of run-on controls at S and SX Farms.
2. Letter report and attachments including data from Subcontractor documenting completion water line pressure test at U Farm.
3. Letter report and attachments from Subcontractor documenting completion of run-on controls at T and TX, and TY Farms.
4. Documentation of the personnel made available, completion of the AJHA and safety analysis, and completion of the procedure for operation of MACTEC spectral gamma logging truck.
5. Report(s) documenting completion of historical operational data for the A/AX WMA, and C WMA.

ASSUMPTIONS/TECHNICAL BOUNDARY CONDITIONS: *(For reasonably foreseeable impacts to performance that are not within control of Contractor. If the assumption or condition proves false, the remedy is renegotiations unless stated otherwise.)*

MACTEC ERS will provide complete and accurate draft operating procedures by 03/15/01. If this condition is not met, then the committed dates will be allowed a day-for-day slip until the problem is resolved.

Reference: RPP-5002, Rev. 1 *(Engineering Report; Single-Shell Tank Farms Interim Measures to Limit Infiltration Through the Vadose Zone)*; DE-AC-13-96GJ87335 (MACTEC ERS contract; *Single-Shell Tank Monitoring Program*).

SECTION 5
Signatures

ORP Manager/Date

CHG President and General Manager /Date

ORP Contracting Officer/Date

CHG Contract Representative/Date