

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

Title: Single-Shell Tank Retrieval – Tank S-102

Project Baseline Summary (PBS): TW04 Work Breakdown Structure (WBS) 5.02.01.02.07.02

Maximum Available Incentive Fee: Stretch: *1.6 percent of the total available FY 2001 – FY 2006 incentive fee pool*

Superstretch: *Fee Potential = 10-20% of total BCWS\**

*Total Superstretch BCWS = \$73,731K BCWS*

Type: Stretch X, Superstretch X\*

\*To be negotiated by December 30, 2002

**SECTION 2  
Technical Contacts**

*ORP Point of Contact: J. Swailes/J. Cruz*

*Contractor Point of Contact: R. Raymond/R. Wilson*

**SECTION 3  
Performance Expectations and Earning Schedule****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:** Specific Requirement 1 is to be performed as a "Stretch" performance expectation and Specific Requirements 2, 3, 4 and 5 are to be performed as "Superstretch" performance expectations.

**Stretch:**

1. Complete contractor approved Functions and Requirements (F&R) document for tank S-102 and submit to ORP by August 31, 2002. The F&R document will detail SST target retrieval specification, leak detection monitoring and mitigation (LDMM) specification, both based on environmental risk/cost and retrieval/leak loss instrumentation and operational experience from DOE and industry as prescribed in the M45-05-T16 TPA milestone description. (Earn 100% of fee.)

**Superstretch:**

2. Award procurement subcontract(s) for equipment and/or systems that will be utilized in the retrieval of the contents of SST for tank S-102 by September 30, 2003. (Earn 10% of fee.)
3. Complete tank S-102 retrieval project design by January 31, 2004, to include physical systems including design and operating strategies necessary for LDMM. Design shall be submitted to ORP approved by the contractor meeting requirements of TPA M-45-05B. (Earn 35% of fee.)
4. Complete tank S-102 initial waste retrieval project construction by September 30, 2005, to include physical systems including those necessary for leak detection and monitoring and mitigation. Construction will be considered complete when process equipment is installed and acceptance tests are completed meeting the requirements of TPA M-45-05C. (Earn 35% of fee.)
5. Complete initial waste retrieval from Tank S-102 per TPA M-45-05A by July 31, 2006. Goals of this initial waste retrieval project shall include the retrieval to safe storage of approximately 490 curies of mobile long-lived radioisotopes (Tc-99, C-14, I-129, U-238, and Se) and 99% of tank contents by volume (per DOE best-basis inventory data, 8/01/2000). Completion of S-102 initial waste retrieval is subject to safe storage space availability consistent with M-45-00B. (Earn 20% 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.)*

Item 1, below, is to satisfy the requirements of the "Stretch" portion of this Performance Based Incentive. Items 2, 3, 4 and 5, below, are to satisfy the requirements of the "Superstretch" portion of this Performance Based Incentive.

The completion dates for Performance Expectation 2 is a target date. Fee can be earned by completing the performance expectation by a target date. If Performance Expectation 2 is completed late, the fee associated with the missed performance expectation will be deferred until Performance Expectation 4 is completed. Performance Expectation 4 must be completed by 9/30/05, in order to earn full available fee. All deferred fee will be paid upon completion of Performance Expectation 4.

1. Complete F&R documents for tank S-102 and submit as a contractor-approved document to the Department of Energy by August 31, 2002 (TPA date is October 30, 2002). This product will meet the elements specified in TPA M-45-05-T16. This document will establish demonstration system specifications (including LDMM system specifications) and will also include a scoping level Retrieval Performance Evaluation (RPE). The F&R document and its associated RPE shall also provide environmental and human health risk evaluation data/information associated with estimated waste volumes to be retrieved. The RPE will define the maximum volume, which could leak during retrieval, and risk from residual wastes and document known and estimated radionuclide contamination and contaminant migration within the vadose zone as bases of calculation. This document will incorporate lessons learned, including LDMM, retrieval, instrumentation, and operational experience from previous DOE and industry related retrieval projects. The S-102 LDMM strategy will be part of the F&R. Note for information only, this document will be submitted to Ecology for their comments (not approval) to support completion of the M-45-05-T16.
2. Develop procurement specification and award procurement subcontract(s) for equipment and/or systems that will be utilized in the retrieval of the contents of SST S-102.
3. Complete tank S-102 retrieval project design, to include physical systems including design and operating strategies necessary for LDMM. Design will be considered complete when the contractor has approved 90% of the design for fabrication and/or construction. Design shall be submitted to ORP approved by the Contractor. A letter from the contractor to ORP will be transmitted on or before January 31, 2004 (TPA date is March 31, 2004), documenting compliance with this completion requirement. This product will meet the elements specified in TPA M-45-05B.
4. Complete tank S-102 waste retrieval project construction, to include physical systems including those necessary for LDMM. Construction will be considered complete when the process equipment is installed and acceptance tests (ATPs) are completed. A letter will be transmitted by the contractor to ORP documenting compliance with this completion requirement on or before September 30, 2005 (TPA date is November 30, 2005). This product will meet the elements specified in TPA M-45-05C.
5. Complete initial waste retrieval from Tank S-102. Goals of this initial waste retrieval project shall include the retrieval to safe storage of approximately 490 curies of mobile long-lived radioisotopes and 99% of tank contents by volume (per DOE best-basis inventory data, 8/01/2000). A letter will be transmitted by the contractor to ORP documenting compliance with this completion requirement on or before July 31, 2006 (TPA date is September 30, 2006), stating the amount of material (curies and tank contents by volume) retrieved from Tank S-102. This product will meet the elements specified in TPA M-45-05A.

**DEFINITIONS:** *(define terms)*

None identified.

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

1. Contractor approved F&R Document for Tank S-102.
2. Letter from Contractor documenting initiation of procurement.
3. Letter from Contractor documenting completion of design as stipulated in this document.
4. Letter from Contractor documenting completion of the construction as stipulated in this document.
5. Letter from Contractor documenting completion of the initial retrieval of the contents from Tank S-102 as stipulated in this document.

**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.)*

- The Critical Decision process, or other ORP required review and approval, will be performed within a time period of 30 calendar days. For example, ORP shall provide approval for Critical Decision 2 within 30 calendar days of receiving the Contractor approved Critical Decision 2 Package. A day for day slip in completion of the milestones will be given to the contractor for delays beyond the 30-calendar day review.
  
- If tank storage space is not available to retrieve S-102, this PI will be renegotiated.

**SECTION 5**  
**Signatures**

\_\_\_\_\_  
ORP Manager/Date

\_\_\_\_\_  
CHG President and General Manager/Date

\_\_\_\_\_  
ORP Contracting Officer/Date

\_\_\_\_\_  
CHG Contract Representative/Date