

FY 2001-2006 PERFORMANCE BASED INCENTIVE

SECTION 1 General Information

Title: Single-Shell Tank Retrieval – Tank C-104

Project Baseline Summary (PBS): TW04 Work Breakdown Structure (WBS):
5.02.01.01.04.01.02, 5.02.01.02.06.04.01, 5.02.01.01.03.02.04,
5.02.01.02.06.04.01, 5.02.01.02.06.04.03, 5.02.01.02.06.04.09

Maximum Available Incentive Fee: 9.6 percent of the total available FY 2001 – 2006 incentive fee pool

Type: Stretch

SECTION 2 Technical Contacts

ORP Point of Contact: J. Swailes/R. Lober

Contractor Point of Contact: J. Eacker/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 (PI) 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.
4. This PI was based upon a previously negotiated and/or approved PI for FY 2001. Previously approved PIs were deleted upon entering into the contract extension.

Specific Requirements:

1. Acquire Cold Test, Training, and Mock-up Facility (CTTMF) and initiate testing in facility by June 30, 2002. The CTTMF must incorporate features that support the identified near term (2000-2006) needs of the Single-Shell Tank (SST) Program or have the capability to cost effectively add these features later to support the TPA milestone M-45 series. (Earn 17% of fee.)
2. Complete and submit to ORP the Conceptual Design Report (CDR) for C-104 Retrieval by September 28, 2001. (Earn 4% of fee.)
3. Complete draft Functions and Requirements (F&R) document for tank C-104, and submit to ORP by April 30, 2001. 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 M45-03-T04. (Earn 4% of fee.)
4. Complete C-104 sludge/hard heel, confined sluicing and robotic technologies, waste retrieval cold demonstration by April 30, 2004. This full-scale demonstration will be sufficient to support final design and testing of equipment, including LDMM approach used in the actual system. The demonstration must satisfy TPA M-45-03G). (Earn 17% of fee.)

5. Complete C-104 sludge/hard heel, confined sluicing and robotic technologies, waste retrieval design (to include physical systems including design and operating strategies necessary for LDMM) by July 30, 2004. (Earn 17% of fee.)
6. Complete C-104 sludge/hard heel, confined sluicing and robotic technologies, waste retrieval construction (to include physical systems including those necessary for LDMM) by July 30, 2006. (Earn 41% 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 CTTMF must allow the testing and evaluation of waste transfer components in simulated tank conditions and will provide a training area for the crews that remove/install waste transfer systems and components. By January 15, 2001, submit the CTTMF acquisition strategy to ORP documenting the procurement strategy, schedule, and necessary DOE actions and due dates. By July 30, 2001, release the procurement documentation. Completion is defined by CHG issuance of the Request for Proposal. If an ORP critical design review is performed, then completion is defined by transmittal of the CHG-approved procurement package to ORP. By August 30, 2001, the RPP baseline must reflect a completion for obtaining beneficial occupancy and initiate testing by June 30, 2002.
2. Complete and submit to ORP by September 28, 2001, the CDR for C-104 Retrieval. The CDR will meet the requirements of a standard CDR with sufficient detail to support updating cost, schedule, and initiation of final design. Preliminary conceptual design activities may be initiated prior to obtaining Critical Decision 1.
3. Complete draft F&R document for tank C-104 and submit to the DOE (ORP) by April 30, 2001. This F&R document will address the elements discussed in M-45-03-T04 (e.g., Retrieval Performance Evaluations, LDMM strategy, lessons learned as well as standard F&R elements). Note for information only, this document will be submitted to Ecology for their comments (not approval) to support completion of the M-45-03-T04 TPA milestone.
4. Complete C-104 sludge/hard heel, confined sluicing and robotic technologies, waste retrieval cold demonstration. The demonstration will establish the performance of the equipment specified in the functions and requirements document. A letter report will be submitted to ORP to document the results of the cold demonstration. This product will meet the elements specified in TPA M-45-03G and will be submitted as a contractor approved document to ORP on or before April 30, 2004. (TPA date is 6/30/04 for ORP to submit letter to Ecology.)
5. Complete C-104 sludge/hard heel, confined sluicing and robotic technologies, waste retrieval design (to include physical systems including design and operating strategies necessary for LDMM. Design will be considered complete when CHG has approved 90% of the design for fabrication and/or construction and a letter is submitted to ORP documenting compliance with this requirement by the Contractor on or before July 31, 2004. This product will meet the elements specified in TPA M-45-03H. (TPA date is 9/30/2004.)
6. Complete C-104 sludge/hard heel, confined sluicing and robotic technologies, waste retrieval construction (to include physical systems including those necessary for leak detection monitoring and mitigation). Construction will be considered complete when process equipment is installed and acceptance test procedures (ATPs) are completed. The contractor will submit a letter documenting the completion of this activity to ORP on or before July 30, 2006. (TPA date is 9/30/2006.) This product will meet the elements specified in TPA M-45-03I.

DEFINITIONS: *(define terms)*

Initiate testing by June 30, 2002, is defined as beginning of testing of the Tank S-112 Waste Retrieval System Project's Waste Dissolution System in accordance with a CHG approved test plan.

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

1. Letter reports to ORP documenting CTTMF: a) acquisition strategy (procurement strategy, schedule, and necessary DOE actions and due dates, b) procurement documentation, c) baseline update to reflect completion of the CTTMF facility, d) documenting beneficial occupancy and initiation of testing in the CTTMF, and e) the test initiation will be witnessed by the ORP Single-Shell Tank Project Manager. Documentation of the test initiation shall include date stamped data sheet(s) that includes the ORP Single-Shell Tank Project Manager’s witness point and signature, and date stamped still photographs taken from the videotape log of the test.
2. Formal Contractor-approved CDR, C-104 Retrieval Demonstration.
3. Formal engineering report, F&R for C-104 Retrieval Demonstration. (DRAFT for Ecology review).
4. Letter report documenting the results of the cold demonstration which will establish the performance of the equipment specified in the functions and requirements document.
5. Letter to ORP documenting completion of the Design of the C-104 sludge/hard heel, confined sluicing and robotic technologies, waste retrieval design.
6. Letter to ORP documenting completion of construction of the C-104 sludge/hard heel, confined sluicing and robotic retrieval demonstration systems.

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.)*

1. The Critical Decision process, or other ORP required reviews or approvals, will be formally responded to within a time period of 30 calendar days. For example, ORP shall formally respond to Critical Decision 2 within 30 calendar days of receiving the Contractor approved Critical Decision 2 Package. A day for day slip in completion of milestones will be given to the Contractor for delays beyond the 30 calendar day review.

SECTION 5
Signatures

ORP Manager/Date

CHG President and General Manager/Date

ORP Contracting Officer/Date

CHG Contract Representative/Date