

This purpose of this contract modification is as follows:

- 1) Incorporate the following attached FY 2000 Super Stretch Performance Incentive (PI) Agreements into the contract Part III, Section J, Appendix D:
 - a) ORP 2.1.3S “Advanced Preparation of 241-SY-101 for Retrieval and for Receiving and Staging” dated 4/13/00.
 - b) ORP 3.8.2S “Transfer Waste from 241-AW-104 to Evaporator Feed Tank” dated 3/30/00.
 - c) ORP 4.1.2S “Drill 5 RCRA Groundwater Wells” dated 4/12/00.
 - d) ORP 4.3.2S “SST Waste Retrieval of Tank C-104” dated 3/29/00.
 - e) ORP 4.3.3S “Tank C-106 Operational Closure Status Assessment” dated 3/30/00.
 - f) ORP 4.3.4S “SST Retrieval – Technology Testing and Deployment” dated 4/19/00.
- 2) Revise the existing FY 2000 Performance Incentive Agreements by incorporating the following attached Performance Incentive Agreement Revision into the contract Part III, Section J, Appendix D:
 - a) ORP 4.5.1 Revision No. 2 “Phase I Part B-2 Readiness to Proceed” dated 4/25/00.
- 3) Revise the existing FY 2000 Performance Incentive Agreements by removing Performance Incentive Agreement No. ORP 10.1.2 “RPP Information System Development” dated 11/18/99, from the contract Part III, Section J, Appendix D. This PI will be replaced by PI No. ORP 3.1.3. (see next item).
- 4) Revise the existing FY 2000 Performance Incentive Agreements by incorporating the attached new Performance Incentive Agreement No. ORP 3.1.3 “Installation of Replacement Transfer Lines to Support Interim Stabilization” dated 4/19/00 into the contract Part III, Section J, Appendix D. This PI replaces ORP 10.1.2. (see previous item).
- 5) Incorporate the attached summary listing of PI agreements into the contract Part III, Section J, Appendix D.
- 6) Incorporate DOE Order No. 110.3 “Conference Management” into the contract Part III, Section J, Appendix C, in accordance with clause I-114 “970.5204-78 Laws, Regulations, and DOE Directives”. This action was discussed in the following letters:
 - a) CHG Letter No. CHG-0000409 R1 dated February 23, 2000, to J.J. Short, ORP.
 - b) ORP Letter No. 00-PRO-182 dated January 28, 2000, to M.P. Delozier, CHG.

**Summary Listing of FY 2000
Performance Incentive Agreements**

FY 2000 PERFORMANCE INCENTIVE AGREEMENTS		
Number	Title	Available Fee
ORP 1.1.1	Tank Characterization - Sampling Tanks	\$ 1,500,000
ORP 1.1.2	Tank Characterization - Reduce Lab Turnaround	\$ 100,000
ORP 2.1.1	Authorization Basis Management Process Improvement	\$ 500,000
ORP 2.1.2	SY-101 Safety Mitigation	\$ 2,500,000
ORP 3.1.1	Interim Tank Stabilization	\$ 2,500,000
ORP 3.1.2	Supernatant Removal	\$ 300,000
ORP 3.1.3	Installation of Replacement Transfer Lines to Support Interim Stabilization of 2 Tanks in S/SX Tank Farm Complex	\$ 100,000
ORP 3.2.1	W-314 "A" Complex	\$ 1,250,000
ORP 3.2.3	Implementation of Field Optimizations	\$ 400,000
ORP 3.3.1	Vault Stabilization	\$ 250,000
ORP 3.3.4	Drawing & Labeling	\$ 250,000
ORP 3.4.1	ENRAF Installations	\$ 150,000
ORP 3.5.1	Integrated Construction Projects/Operations Plan	\$ 300,000
ORP 3.8.1	Waste Volume Mgmt	\$ 250,000
ORP 4.1.1	Vadose Zone	\$ 500,000
ORP 4.2.1	AZ-101 Process Test	\$ 750,000
ORP 4.5.1 Rev. 2	Phase I Part B-2 Readiness to Proceed	\$ 1,250,000
ORP 8.1.1	W-519 Privatization Phase I Infrastructure Support	\$ 500,000
ORP 9.1.1	Immobilized Product Storage / Disposal	\$ 250,000
ORP 10.1.3	Project Integration Office Deliverables	\$ 800,000
	Total	\$ 14,400,000
FY 2000 SUPER STRETCH PERFORMANCE INCENTIVE AGREEMENTS		
Number	Title	Available Fee
ORP 2.1.3S	Advanced Preparation of 241-SY-101 for Retrieval and for Receiving and Staging	\$ 1,390,000
ORP 3.8.2S	Transfer Waste from 241-AW-104 to Evaporator Feed Tank	\$ 760,000
ORP 4.1.2S	Drill 5 RCRA Groundwater Wells	\$ 220,000
ORP 4.3.2S	SST Waste Retrieval of Tank C-104	\$ 335,000
ORP 4.3.3S	Tank C-106 Operational Closure Status Assessment	\$ 70,000
ORP 4.3.4S	SST Retrieval - Technology Testing and Deployment	\$ 88,000
	Total	\$ 2,863,000
	Grand Total	\$ 17,263,000

FY 2000 PERFORMANCE INCENTIVE**SECTION 1
General Information**

Descriptive Short Title: Phase I Part B-2 Readiness to Proceed

Project Baseline Summary (PBS): TW04

Maximum Available Incentive Fee: \$1,250,000

Type: X Standard X Stretch

**SECTION 2
Technical Contacts***ORP Point of Contact: S. Wiegman/L. Erickson**Contractor Point of Contact: W. T. Dehn***SECTION 3
Performance Expectations and Earning Schedule****GENERAL REQUIREMENTS:** In order to earn incentive fee under this Performance Incentive, the Contractor shall:

1. Meet the specific completion criteria and expectations set forth in this Performance Incentive; and
2. Not incur any unfavorable cost variance [(BCWP-ACWP)/BCWP] less than -5.0 percent, or incur any unfavorable schedule variance [(BCWP-BCWS)/BCWS] less than -7.5 percent, measured at the Project Baseline Summary level identified in Section 1, at the end of FY 2000.

STANDARD (40%)

1. Formal certification of the Contractor's ability (Memorandum of Readiness To Proceed) to provide the waste feed and infrastructure to handle the products from the BNFL waste processing plant. Submit a memorandum to ORP to that effect, by April 24, 2000. Supporting material shall be made available to DOE for an independent evaluation of the contractor's readiness.
2. Specific documents listed below will be updated or issued (if required) by April 24, 2000, in support of the Readiness-to-Proceed effort:
 - A. Integrated Resource-loaded Schedule
 - B. Supporting Documents
TWRS Operation Utilization Plan; Staffing Plan; Configuration Management Plan; Quality Assurance Program Plan; Safety Program Plan; Environmental Program Plan; Technical Baseline Summary; Draft Project Execution Plan
3. Provide a letter report by April 24, 2000, to the ORP B2 Decision Manager stating how the eight "Major Recommendations on the RTP evidence package," as listed in 98-WDD-032, have been resolved.

STRETCH (60%)

1. ORP will perform a readiness assessment. Based upon its rating by ORP B2 Decision Manager fee is earned.
Rated Ready to Proceed with no outstanding deficiencies on 4/30/00 earn 30%
Rated Ready to Proceed with no outstanding deficiencies on 6/15/00 earn 15%
Rated Ready to Proceed with no outstanding deficiencies on 7/01/00 earn 5%
2. Develop presentation and training materials by June 30, 2000, to assist in the understanding of the Hanford, Regional, and Congressional community on feed delivery, pretreatment processing, glass production, and glass storage system to facilitate a positive B2 decision from Congress earn 10%.
3. Analyze the impacts of the "Assumptions Document" (to be developed by ORP based upon their review of the BNFL April 24th deliverables, and provided to the contractor by May 8, 2000) on the contractor's Readiness to Proceed Memorandum. Provide impacts and recommendations to mitigate to the B2 Decision Manager by May 31, 2000. Earn 20%.

NEGATIVE (100%)

Rated Ready to Proceed with no outstanding deficiencies on 7/15/00 lose 10%
 Rated Ready to Proceed with no outstanding deficiencies 7/16/00 - 8/24/00 lose 1%/day until deficiencies are eliminated
 Rated Ready to Proceed with no outstanding deficiencies after 8/24/00 lose 2% per day until deficiencies are eliminated

FY 2000 PERFORMANCE INCENTIVE

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.)*

STANDARD:

1. The Memorandum will describe the approach taken for providing evidence of the Contractor's readiness to proceed to Phase 1 B-2 and serve as the executive summary. The memorandum will include:
 - A. Key Enabling Assumptions
 - B. Critical risk list and handling actions
 - C. Financial and Schedule Risk Analysis
 - D. Manageable list of deficiencies, corrective action plan for each, including date for closure.

The Memorandum will state that the contractor can:

- Provide waste feed to the privatization contractor in the specified amounts to the specified place at the required time.
 - Provide infrastructure to the privatization contractor as specified in the final privatization contract and the Interface Control Documents.
 - Ensure that it will be prepared for receiving, storing and disposing of immobilized waste products
 - Ensure that it will be prepared for receiving, managing, treating and disposing of byproducts from private contractors
 - Ensure that the contractor can support alternatives other than the current baseline
 - Ensure required administrative actions (e.g., permits, etc.) are in place
2. A and B
The Criteria Review Assessment Documents will be used to evaluate the Integrated Schedule and other Support Documents. Provide a report to the B2 Decision Manager regarding the resolution of the eight recommendations made in 98-WDD-032.

STRETCH:

The Contractor's Readiness to Proceed will be assessed for deficiencies by the following:

Contractor's Memorandum of Readiness to Proceed

1. External Independent Review Team, Criteria Review Assessment Documents (CRADs) developed by ORP.
2. Submit presentation and training materials consisting of a CD-ROM on feed delivery, pretreatment processing, glass production, and glass storage system together with fact sheets on key aspects of the waste feed delivery system by June 30, 2000. These materials will be used to facilitate a B2 decision from Congress.
3. Impact Analysis will be a qualitative evaluation analysis of the differences between the contractor's deliverables and the ORP provided "Assumptions Document" (e.g., dates, planning assumptions, etc.) and it will recommend a solution. Submittal will be presentation materials.

DEFINITIONS: *(define terms)*

Deficiency – a condition which if left uncorrected or unimproved would preclude, in the opinion of the ORP B2 Decision Manager, a defensible Readiness to Proceed declaration.

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

Readiness-to-Proceed Memorandum; Integrated Resource-Loaded Schedule; Specific RTP Supporting Documents: TWRS Operations Utilization Plan; Staffing Plan; Configuration Management Plan; Quality Assurance Program Plan; Safety Program Plan; Environmental Program Plan; Technical Baseline Summary; Draft Project Execution Plan; Letter report on Major Recommendations on RTP evidence package; Baseline evaluation of waste feed delivery rates and impacts; and training materials.

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.)*

- Contractor may access CRADs on drive \\AP006\RPPSHARED\INF. Complete set of CRADs will be available by December 31, 1999. The contractor may suggest improvements to CRADs up until February 29, 2000.
- Review Comment Record process will be used to close out deficiencies.
- No special approvals are required for producing the presentation and training materials.
- The ORP "Assumptions List" will be submitted to the contractor by May 8, 2000.

FY 2000 PERFORMANCE INCENTIVE

SECTION 5

Signatures

ORP Contracting Officer's Representative/Date

President and General Manager, CHG/Date

ORP Contracting Officer/Date

CHG Contract Representative/Date

FY 2000 PERFORMANCE INCENTIVE

SECTION 1 General Information

Descriptive Short Title: Installation of Replacement Transfer Lines to Support Interim Stabilization of 2 Tanks in S/SX Tank Farm Complex

Project Baseline Summary (PBS): TW03

Estimated Costs (BCWS): \$2039K

Maximum Available Incentive Fee: \$100K

Type: Regular X

SECTION 2 Technical Contacts

ORP Point of Contact: Dana Bryson

Contractor Point of Contact: Dale Allen

SECTION 3 Performance Expectations and Earning Schedule

GENERAL REQUIREMENTS: In order to earn incentive fee under this Performance Incentive, the Contractor shall:

1. Meet the specific completion criteria and expectations set forth in this Performance Incentive; and
2. Not incur any unfavorable cost variance $[(BCWP-ACWP)/BCWP]$ less than -5.0 percent, or incur any unfavorable schedule variance $[(BCWP-BCWS)/BCWS]$ less than -7.5 percent, measured at the Project Baseline Summary level identified in Section 1, at the end of FY 2000.

REGULAR (100%):

Perform the engineering, procurement, and installation for the segments of Replacement Transfer Lines required to support the pumping of two S/SX tanks to the SY tank farm by September 30, 2000. (50 percent for each tank)

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.)*

Completion of the expectation described in Section 3 above shall be evidenced by completion of backfill over the installed line segments specified for each of the two S/SX tanks. Shield plates will be installed over the back filled trench.

DEFINITIONS:

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

Letter to ORP verifying the operations acceptance of installation work package(s) as complete and that the installed replacement line segments for each of two S/SX tanks are available for final tie in.

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.)*

FY 2000 PERFORMANCE INCENTIVE

**SECTION 5
Signatures**

ORP Contracting Officer's Representative/Date

President and General Manager, CHG/Date

ORP Contracting Officer/Date

CHG Contract Representative/Date

FY 2000 PERFORMANCE INCENTIVE

SECTION 1 General Information

Descriptive Short Title: Advanced Preparation of 241-SY-101 for Retrieval and for Receiving and Staging

Project Baseline Summary: TW02

Estimated Cost (BCWS): \$6948K¹ (FY 2000/2001)

Maximum Available Incentive Fee: \$1390K (FY 2000/2001)

Type: Superstretch X Multi-Year X

¹FY 2000: \$6948K BCWS + \$1390K Fee = \$8338 Funds

SECTION 2 Technical Contacts

ORP Point of Contact: Joe Voice

Contractor Point of Contact: Dale Allen

SECTION 3 Performance Expectations and Earning Schedule

GENERAL REQUIREMENTS:

1. Both budgeted and actual Cost and Schedule results for this Superstretch incentive will be separated in its PBS so as to have no effect on the fiscal year end calculation of Cost and Schedule Variance used to measure Standard and Stretch incentives.
2. Subject to the maximum available incentive fee shown above, the aggregate sum of actual cost and earned fee for all Superstretch incentives will be less than or equal to DOE approved savings as recorded in Contractor's Management Reserve account (i.e., savings from work efficiencies and deletions) at fiscal year end.

SUPERSTRETCH (100%):

- A. Complete the design of the transfer system tie-ins and associated specifications to connect SY-101 to the cross-site transfer system (targeted for September 30, 2000).
- B. Submit to ORP a topical report defining the basis for removal of tank 241-SY-101 from the Flammable Gas Watch List (targeted for November 15, 2000), that ORP will submit to DOE-HQ.
- C. Complete construction, testing, and place system in service by September 30, 2001.

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.)*

SUPERSTRETCH A: Submit to ORP a letter outlining completion of this activity, with reference to the engineering documents that provide the evidence the work is completed.

SUPERSTRETCH B: Submit to ORP a topical report defining the basis for removal of tank 241-SY-101 from the Flammable Gas Watch List.

SUPERSTRETCH C: Submit to ORP a letter outlining completion of this activity following completion of the Readiness Assessment.

The completion dates for milestones A and B are target dates. The full fee can be earned by completing the entire project by September 30, 2001.

DEFINITIONS: *(define terms)*

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

SUPERSTRETCH A: A letter referencing the engineering documents that provide the evidence the work is completed.

FY 2000 PERFORMANCE INCENTIVE

SUPERSTRETCH B: A topical report defining the basis for removal of tank 241-SY-101 from the Flammable Gas Watch List. (HNF-EP-0702 Rev. 1 provides criteria for the watchlist.)

SUPERSTRETCH C: A letter referencing completion of the Readiness Assessment with supporting documentation (Acceptance Test Procedures, Operational Test Procedures, Acceptance for Beneficial Use, CHG Readiness to Proceed letter, DOE Readiness Assessment authorization letter).

A letter will be submitted with a listing of the Work Packages under which the fieldwork was completed. Documentation of these Work Packages being "fieldwork complete" will also be provided.

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.)*

- a) Readiness review will be a Readiness Assessment.
- b) The nuclear safety authorization to perform work as described in ORP letter #99-TSD-051 (reference), applies through the submittal*, approval, and implementation of the AB amendment to: (1) close the crust growth USQ, (2) allow discontinued use of the mixer pump for flammable gas hazard mitigation, and (3) enable SY-101 to become an active transfer/receiver tank.
- c) In order to place the system in service (Superstretch C), ORP approval of the AB amendment (submitted in PI ORP#2.1.2, Stretch B) and the ORP/DOE-HQ approval to remove the tank from the Flammable Gas Watch List (Superstretch B above) must be provided no later than January 15, 2001. Delays in contractor submittals to DOE-ORP will result in day-for-day change in the January 15, 2001 date, but will not delay the September 30, 2001 completion date. DOE-ORP delays in action past January 15, 2001 (adjusted for contractor delays per the above) will result in renegotiation of this performance incentive.

* (PI ORP#2.1.2, Stretch B)

Reference: Department of Energy letter, from Richard T. French, ORP, to R. D. Hanson, FDH, "Submittal of Updated Unreviewed Safety Question (USQ) Evaluation and Supplemental Controls for Tank 241-SY-101", #99-TSD-051, April 27, 1999.

**SECTION 5
Signatures**

ORP Contracting Officer's Representative/Date

President and General Manager, CHG/Date

ORP Contracting Officer/Date

CHG Contract Representative/Date

FY 2000 PERFORMANCE INCENTIVE

SECTION 1 General Information

Descriptive Short Title: Transfer Waste from 241-AW-104 to Evaporator Feed Tank

Project Baseline Summary (PBS): TW03

Estimated Cost (BCWS): \$4526K¹ (FY 2000/2001)

Maximum Available Incentive Fee: \$760K (FY 2000/2001)

Type: Superstretch X Multi-Year X

¹FY 2000: \$4526K BCWS + \$760K Fee = \$5286K Funds

SECTION 2 Technical Contacts

ORP COR: Dana Bryson

Contractor Point of Contact: Dale Allen

SECTION 3 Performance Expectations and Earning Schedule

GENERAL REQUIREMENTS:

1. Both budgeted and actual Cost and Schedule results for this Superstretch incentive will be separated in its PBS so as to have no effect on the fiscal year end calculation of Cost and Schedule Variance used to measure Standard and Stretch incentives.
2. Subject to the maximum available incentive fee shown above, the aggregate sum of actual cost and earned fee for all Superstretch incentives will be less than or equal to DOE approved savings as recorded in Contractor's Management Reserve account (i.e., savings from work efficiencies and deletions) at fiscal year end.

SUPERSTRETCH (100%)

Replace the transfer pump in Tank 241-AW-104. Equipment installation and waste transfer to evaporator feed tank to be complete by March 31, 2001.

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.*)

Remove existing AW-104 transfer pump. Install new transfer pump in AW-104. Transfer 750,000 gallons from AW-104 to an evaporator feed double-shell tank using new transfer pump. Submit to ORP a letter stating completion of this transfer, with copies of the transfer data sheets attached, showing that at least 750,000 gallons of supernatant waste has been transferred.

DEFINITIONS: (*define terms*)

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

A letter will be submitted with the approved transfer material data sheet attached.

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.*)

- A. All field activities are covered under existing As-Low-As-Reasonably-Achievable-Current-Technology [ALARACTS] (i.e., no new Notices of Construction [NOCs] are required to perform this workscope). If notification is received after August 2000 that an NOC is required, then the schedule will be renegotiated.
- B. The Readiness Review activities will be no more than a Management Self-Assessment.

FY 2000 PERFORMANCE INCENTIVE

SECTION 5
Signatures

ORP Contracting Officer's Representative/Date

President and General Manager, CHG/Date

ORP Contracting Officer/Date

CHG Contract Representative/Date

FY 2000 PERFORMANCE INCENTIVE**SECTION 1
General Information**

Descriptive Short Title: Drill 5 RCRA Groundwater Wells

Project Baseline Summary (PBS): TW04

Estimated Cost (BCWS): \$1,374K (FY 2000)¹

Maximum Available Incentive Fee: \$220K (FY 2000)

Type: Superstretch X

¹ FY2000: \$1,374K BCWS + \$220K Fee = \$1,594K Funds

**SECTION 2
Technical Contacts**

ORP Point of Contact: Dana Bryson

Contractor Point of Contact: Garry Cusack

**SECTION 3
Performance Expectations and Earning Schedule****GENERAL REQUIREMENTS:**

1. Both budgeted and actual Cost and Schedule results for this Superstretch incentive will be separated in its PBS so as to have no effect on the fiscal year end calculation of Cost and Schedule Variance used to measure Standard and Stretch incentives.
2. Subject to the maximum available incentive fee shown above, the aggregate sum of actual cost and earned fee for all Superstretch incentives will be less than or equal to DOE approved savings as recorded in Contractor's Management Reserve account (i.e., savings from work efficiencies and deletions) at fiscal year end.

SUPERSTRETCH (100%):

- A. Complete the drilling and development of 5 RCRA groundwater monitoring wells by September 30, 2000.

**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.)*

SUPERSTRETCH A: Submit a letter to the U.S. Department of Energy, Office of River Protection (ORP) outlining completion of the drilling and development of the RCRA groundwater monitoring wells.

DEFINITIONS: (define terms) N/A

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

SUPERSTRETCH A: A letter outlining completion of the drilling and development of the RCRA groundwater monitoring wells. Contractor will transmit to ORP the State of Washington "Well Construction Certification" signed by the licensed driller/engineer.

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.)*

ORP will direct contractor where to install the wells by May 15, 2000.

FY 2000 PERFORMANCE INCENTIVE

**SECTION 5
Signatures**

ORP Contracting Officer's Representative/Date

President and RPP General Manager, CHG/Date

ORP Contracting Officer/Date

CHG Contract Representative/Date

FY 2000 PERFORMANCE INCENTIVE**SECTION 1
General Information**

Descriptive Short Title: SST Waste Retrieval of Tank C-104

Project Baseline Summary (PBS): TW04

Estimated Cost (BCWS): \$2234K¹

Maximum Available Incentive Fee: \$335K

Type: Superstretch X

¹FY 2000: \$2234K BCWS + \$335K Fee = \$2569K Funds**SECTION 2
Technical Contacts***ORP Point of Contact: D. Bryson**Contractor Point of Contact: Garry Cusack***SECTION 3
Performance Expectations and Earning Schedule****GENERAL REQUIREMENTS:**

1. Both budgeted and actual Cost and Schedule results for this Superstretch incentive will be separated in its PBS so as to have no effect on the fiscal year end calculation of Cost and Schedule Variance used to measure Standard and Stretch incentives.
2. Subject to the maximum available incentive fee shown above, the aggregate sum of actual cost and earned fee for all Superstretch incentives will be less than or equal to DOE approved savings as recorded in Contractor's Management Reserve account (i.e., savings from work efficiencies and deletions) at fiscal year end.

SUPERSTRETCH (100%)

- A. Issue SST Project planning documentation by September 30, 2000 (earn 20%):
 - "SST Retrieval Project Plan for Tank 241-C-104 Retrieval", and
 - "Retrieval Performance Evaluation for Tank 241-C-104", and
 - "Tank Selection and Retrieval/Transfer Sequence" white paper (provides information for future inclusion in the Tank Waste Remediation System, Operation and Utilization Plan (TWRSO&UP)).
- B. Issue Tank 241-C-104 preliminary engineering documentation by September 30, 2000 (earn 80%):
 - "Tank 241-C-104 Retrieval Functions and Requirements Document", and
 - "Tank 241-C-104 Retrieval Pre-conceptual Engineering Report".

**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.)***SUPERSTRETCH A: Issue SST Project planning documentation:**

- The "SST Retrieval Project Plan for Tank 241-C-104 Retrieval" will describe planning for activities required to support the retrieval of Tank 241-C-104 including detailed logic diagrams, similar to Level 1 logics prepared for the remainder of the Phase I Minimum Order Quantity feed tanks.
- The "Retrieval Performance Evaluation for Tank 241-C-104" will define the process for attaining a waiver from the retrieval criteria specified in TPA Milestone M-45-00.
- The "Tank Selection and Retrieval/Transfer Sequence" white paper (provides information for future inclusion in the "Tank Waste Remediation System, Operation and Utilization Plan (TWRSO&UP)") will select tanks, tank retrieval and transfer sequence for the Single-Shell Tanks to meet the requirements of the Tri-Party Agreement M-45-02 Milestone series.

SUPERSTRETCH B: Issue Tank 241-C-104 preliminary engineering documentation:

- The "Tank 241-C-104 Retrieval Functions and Requirements Document" will be prepared consistent with Hanford Systems

FY 2000 PERFORMANCE INCENTIVE

Engineering policies and procedures, i.e. the revision of RPP-PRO-1999 current when this PI is signed.

- The "Tank 241-C-104 Retrieval Pre-conceptual Engineering Report" will address preliminary design concepts, initial process flow sheets and material balances, equipment layouts, operating strategies, and provide a project schedule and project cost estimate.

DEFINITIONS: *(define terms)*

"Tri-Party Agreement" refers to the revision of the Hanford Federal Facility Agreement and Consent Order in effect when this Performance Incentive is issued.

"Phase I Minimum Order Quantity" refers to the set of tanks to be delivered to the Privatization Contractor as part of the Phase I contract and under DOE change control. (Reference: DOE Letter 00-OPD-013, Richard T. French to Ms. M. P. DeLozier, "Contract No. DE-AC06-99RL14047 - Modification to Feed Delivery", January 26, 2000)

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

Provide copies of the documents referenced in SUPERSTRETCH A and B above.

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 addition of liquids to Tank 241-C-104 for retrieval operations is acceptable in accordance with permit conditions.
2. The Retrieval Performance Evaluation methodology established for the 241-AX Tank Farm will be used on Tank 241-C-104.
3. The Leak Detection Mitigation and Monitoring requirements for 241-C-104 will be based upon the Retrieval Performance Evaluation methodology established for the 241-AX Tank Farm.

**SECTION 5
Signatures**

ORP Contracting Officer's Representative/Date

President and General Manager, CHG/Date

ORP Contracting Officer/Date

CHG Contract Representative/Date

FY 2000 PERFORMANCE INCENTIVE

SECTION 1

General Information

Descriptive Short Title: Tank C-106 Operational Closure Status Assessment

Project Baseline Summary (PBS): TW04

Estimated Cost (BCWS): \$ 534K¹

Maximum Available Incentive Fee: \$70K

Type: Superstretch X

¹FY 2000: \$534K BCWS + \$70K Fee = \$604K Funds

SECTION 2

Technical Contacts

ORP Point of Contact: Dana Bryson

Contractor Point of Contact: Garry Cusack

SECTION 3

Performance Expectations and Earning Schedule

GENERAL REQUIREMENTS:

1. Both budgeted and actual Cost and Schedule results for this Superstretch incentive will be separated in its PBS so as to have no effect on the fiscal year end calculation of Cost and Schedule Variance used to measure Standard and Stretch incentives.
2. Subject to the maximum available incentive fee shown above, the aggregate sum of actual cost and earned fee for all Superstretch incentives will be less than or equal to DOE approved savings as recorded in Contractor's Management Reserve account (i.e., savings from work efficiencies and deletions) at fiscal year end.

SUPERSTRETCH (100%):

- A. Provide a white paper by August 15, 2000 with the recommended decision criteria for ORP and Ecology to use when making a decision on how to proceed with either retrieving more waste out of Tank C-106 or proceeding with operational closure.
- B. Provide a white paper by September 30, 2000 summarizing the proposed path forward for reaching a decision with ORP and the regulators to operationally close Tank C-106 or require additional retrieval campaigns.

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.*)

SUPERSTRETCH A: Provide a white paper with the recommended process and decision criteria for ORP and Ecology to use when making a decision on how to proceed with either retrieving more waste out of Tank C-106 or proceeding with operational closure.

SUPERSTRETCH B: Utilizing the process specified in Superstretch A above, provide a white paper summarizing the current knowledge of the content and risks associated with Tank C-106 residual materials and the proposed path forward for reaching a decision with ORP and Ecology to operationally close Tank C-106 or require additional retrieval campaigns. The white paper may be used by ORP to prepare a letter to Ecology communicating current status information and a proposed plan of action regarding operational closure for Tank C-106.

DEFINITIONS: (*define terms*) Operational Closure: Both Tri-Party Agreement Milestone M-45-00 and applicable sections of DOE Order 435.1 define tank closure in the context of removing as much radioactive waste as is technically and economically practical and being protective of human health and the environment. For the purpose of this Superstretch PI, Tank C-106 "operational closure" is defined as a condition whereby: 1) the current past practice sluicing equipment has been demonstrated to have removed as much waste as is technically and economically practical, 2) a technically feasible path forward exists for incorporating the residual tank waste into a solid physical form at a concentration that does not exceed the applicable concentration limits for Class C low-level waste as set out in 10 CFR Part 61, 3) a technically feasible path forward exists for management of the wastes so that safety requirements comparable to the performance objectives set out in 10 CFR Part 61, Subpart C can be met, and

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4) a technically feasible path forward exists for management of the wastes so that environmental and human protection objectives set out in WAC 173-303-610 can be met. A minimum set of nuclear safety and environmental monitoring requirements (if any) has been identified for the time period between completion of waste retrieval activities and initiation of final closure per WAC 173-303 and DOE Order 435.1.

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

Deliver the documents listed in SUPERSTRETCH A and B.

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.)*

**SECTION 5
Signatures**

ORP Contracting Officer's Representative/Date

President and General Manager, CHG/Date

ORP Contracting Officer/Date

CHG Contract Representative/Date

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SECTION 1 General Information

Descriptive Short Title: SST Retrieval – Technology Testing and Deployment

Project Baseline Summary (PBS): TW04

Estimated Cost (BCWS) \$583K¹

Maximum Available Incentive Fee: \$88K

Type: Superstretch X

¹FY2000: \$583 K BCWS + \$88K Fee = \$671K Funds

SECTION 2 Technical Contacts

ORP Point of Contact: Dana Bryson

Contractor Point of Contact: Garry Cusack

SECTION 3 Performance Expectations and Earning Schedule

General Requirements:

1. Both budgeted and actual Cost and Schedule results from this Superstretch incentive will be separated in its PBS so as to have no effect on the fiscal year end calculations of Cost and Schedule Variance used to measure Standard and Stretch incentives.
2. Subject to the maximum available incentive fee shown above, the aggregate sum of the actual cost and earned fee for all Superstretch incentives will be less than or equal to DOE approved savings as recorded in Contractor's Management Reserve account (i.e., savings from work efficiencies and deletions) at fiscal year end.

SUPERSTRETCH (100%):

- A. Issue a Project Management Plan for crawler acquisition by September 30, 2000. (25% earned)
- B. Define test objectives, prepare functions and requirements document and issue an engineering report for a salt-cake dissolution test deployment by September 30, 2000. (75% earned)

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.)*

SUPERSTRETCH A: Issue Project Management Plan (which includes the organization, roles and responsibilities, project execution logics at a level of detail equivalent to the Level 1 logics prepared for RTP-2, the summary schedule and the cost project cost estimate).

SUPERSTRETCH B: Issue a document defining the test objectives for a salt cake dissolution test, issue the Functions and Requirements document for salt cake dissolution demonstration, and issue an engineering report for a salt-cake dissolution demonstration (consisting of: pre-conceptual process flow sheets and material balance, preliminary equipment outline drawings, preliminary operating strategy, ROM project schedule and project cost estimate.)

DEFINITIONS: *(define terms) N/A*

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

Provide a letter to the ORP point of contact identified in Section 2 of this Performance Incentive documenting completion. The specific documents are identified in Section 3.

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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.)*

**SECTION 5
Signatures**

ORP Contracting Officer's Representative/Date

President and General Manager, CHG/Date

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CHG Contract Representative/Date