

The purpose of this contract modification is as follows:

- 1) In accordance with clause I.106 and CHG Letter No. CHG-0103304, revise Section J, Appendix C, "DOE Directives" to add the following:
 - a) DOE Order 241.1A Scientific and Technical Information Management.
 - b) DOE Manual 471.2-1C Classified Matter Protection and Control Manual.
 - c) DOE Notice 471.3 Reporting Incidents of Security Concern

- 2) In accordance with clause I.106 and ORP Letter No. 01-AMIC-171, dated 20 June 2001, revise Section J, Appendix C, "DOE Directives" to add the following:
 - a) DOE Notice 350.6 Acceptance of Valid Workers' Compensation Claims

- 3) In accordance with clause I.91, revise Section J, Appendix A, "Key Personnel" as follows:
 - a) A.M. Parker, Executive Vice President, is hereby removed from Appendix A.
 - b) E.S. Aromi, Executive Vice President, is hereby added to Appendix A.

- 4) In accordance with clause H.1, make the following changes to Section J, Appendix D "Performance Based Incentives":
 - a) Incorporate the attached ORP-19 Revision No. 1 "Double Shell Tank Caustic Addition" which was executed on 8/1/01; remove ORP-19 Revision 0.
 - b) Incorporate the attached ORP-17 Revision No. 1 "FY2001 Deferred Work Scope" which was executed on 7/10/01; remove ORP-17 Revision 0.
 - c) Incorporate the attached ORP-21 Revision No. 0 "Replacement 241-SY Primary Ventilation System Backup Exhauster" which was executed on 7/10/01.
 - d) Incorporate the attached ORP-26 Revision No. 0 "Ready 241-AP-102 As An Available Receiver Tank (SN-650 Activation)" which was executed on 8/2/01.
 - e) Incorporate the attached Table D-1 (Revision 2); remove Table D-1 (Revision 1).

Table D-1 (Revision 2)

Summary of FY2001 through FY2006
 Performance Based Incentives

			(000)
Number	Title	Percent of Available Fee Pool	Available Fee Pool
ORP-1	Project W-314	15.40%	
ORP-2	Retrieval Systems (W-211 and W-521)	4.10%	
ORP-3	Store Immobilized High Level Waste (IHLW)	2.90%	
ORP-4	Dispose of Immobilized Low Activity Waste (ILAW)	5.50%	
ORP-5	SST Interim Stabilization	8.00%	
ORP-6	Initial Waste Feed Delivery	5.70%	
ORP-7	SST Retrieval - Tank C-104	9.60%	
ORP-8	Facility Stabilization	4.70%	
ORP-9	Life Cycle Asset Management	6.40%	
ORP-10	DST Integrity Assessment Reports	3.40%	
ORP-11	242-A Evaporator Life Cycle Asset Management	1.30%	
ORP-12	Tank Characterization	1.80%	
ORP-13	Tank Farm - Closure Support	6.40%	
ORP-14	SST Retrieval - Tank S-102 (Note: includes SSPBI work, see below)	1.60%	
ORP-15	Corporate Performance	14.70%	
ORP-16	WTP Interim Design and Transition	2.30%	
	Unallocated Fee (See Clause H.1)	6.20%	
	Total	100.00%	\$ 106,100
Supplemental Performance Incentives (SSPBIs)			
Number	Title		Available Fee
The following SSPBIs are Negotiated and Approved:			
ORP2.1.3S	Advanced Preparation of 241-SY-101 for Retrieval and for Receiving and Staging		\$ 1,390
ORP3.8.2S	Transfer Waste from 241-AW-104 to Evaporator Feed Tank		\$ 760
ORP8.1.2S	Acceleration of Project W-519		\$ 400
ORP-17	FY2001 Deferred Work Scope		\$ 1,185
ORP-19 Rev. 1	DST Caustic Addition		\$ 1,982
ORP-21	241-SY Primary Ventilation System Backup Exhauster		\$ 201
ORP-24	Accelerate Saltcake Retrieval (U-107)		\$ 704
ORP-25	Vadose Zone Acceleration in Support of SST Farm Closure		\$ 199
ORP-26	Ready 241-AP-102 as an Available Receiver Tank		\$ 147
	Total		\$ 6,968
The following SSPBIs are Pending Final Negotiation:			
ORP-14	SST Retrieval - Tank S-102		TBD
ORP-18	Accelerate W-520 Construction of the ILAW Disposal Facility		TBD
ORP-20	SST Retrieval Tank S-112		TBD
ORP-22	Accelerate W-464 Construction of IHLW Storage Facility		TBD
ORP-23	Accelerate W-525 Construction of the Tank Farm Infrastructure and Compliance Upgrades		TBD
The following is a list of Potential SSPBI Areas			
	Remove Organic Layer from C-103		
	Remove SY-103 from Watch List		
	Accelerate SST Retrieval Crawler Development		
	C-106 Closure Evaluation		
	Accelerate SST Leak Detection Upgrade		
	Enhanced Interim Stabilization of Equipment		
	Enhance Interim Stabilization of BY-103 and A-103		

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

Title: Double-Shell Tank Caustic Addition

Project Baseline Summary (PBS): TW03

Work Breakdown Structure (WBS): 1.01.03.02.

Maximum Available Incentive Fee: Superstretch Fee Potential = \$1,982K
 \$813K (FY 2001)¹, \$1,141K (FY 2002)²\$28K (FY 2003)³

Type: Superstretch

¹FY 2001: \$8,026K BCWS + \$813K Fee = \$8,839K Funds*²FY 2002: \$2,861K BCWS + \$1,141K Fee = \$4,002K Funds³FY 2003: \$142K BCWS + \$28K = \$170K Funds

*Efficiencies realized in this SSPI have allowed additional scope to be performed.

**SECTION 2
Technical Contacts**

ORP Point of Contact: D. Bryson/V. Callahan

Contractor Point of Contact: D. Allen/M. Ostrom

**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. Additional basis for Revision 1 of the PI are documented in Baseline Change Request (BCR) RPP-01-095 and RPP-01-123.

SUPERSTRETCH (100%)

- A. Complete the addition of sufficient caustic to Tank AY-101 by September 30, 2001 to bring calculated bulk hydroxide concentration within chemistry specification – earn 6.3% of fee.
- B. Complete the addition of sufficient caustic to Tank AY-102 by September 30, 2001 to bring calculated bulk hydroxide concentration within chemistry specification – earn 6.3% of fee.
- C. Complete the addition of sufficient caustic to Tank AN-102 by September 30, 2001 to bring calculated bulk hydroxide concentration within chemistry specification – earn 14.9% of fee.
- D. Complete the addition of sufficient caustic to Tank AN-107 by January 30, 2002, to bring calculated bulk hydroxide concentration within chemistry specification – earn 18.9% of fee.
- E. Restore annulus ventilation flow to Tank AY-101, isolate source of water intrusion into the AY-101 annulus, and perform video inspection of the annulus for Tank AZ-102 by September 30, 2001. AN-107, AN-102, and AY-102 annulus ventilation systems must also be in operation in accordance with the existing baseline to earn this fee – earn 3.5% of fee.
- F. Replace Tank AN-107 corrosion probe by September 30, 2001 – earn 2.9% of fee.
- G. Procure an Ultra Sonic Testing (UT) crawler for the Tank Integrity Assessment Project by September 30, 2001 – earn 2% of fee.
- H. Develop a Double-Shell Tank (DST) chemistry surveillance program for corrosion protection by September 30, 2001 – earn 1.5% of fee.

FY 2001 – 2006 PERFORMANCE BASED INCENTIVE

- I. Complete verification sampling on Tanks AY-101, AY-102, and AN-102, and issue final report on chemistry status of tanks by September 30, 2002 – earn 4.3% of fee.
- J. Deploy new and modified nondestructive examination (NDE) and cleaner crawler system in Tank AY-101 by November 30, 2001 – earn 7.3% of fee.
- K. Complete inspection of Tank AY-101 with the new/modified NDE crawler systems by June 30, 2002 – earn 9.6%.
- L. Complete video and radiological evaluation (smear test) of potential tank wall penetration at two identified stained areas of Tank AY-101 by October 1, 2001 – earn 4.3% of fee
- M. Complete gas penetrant evaluation of potential tank wall penetration at two identified stained areas of Tank AY-101 by February 28, 2002 – earn 4.3% of fee.
- N. Complete video inspection of Tanks AW-101, AW-102, AW-105, AW-106, AY-102, and AZ-101 by September 30, 2001 – earn 3.5% of fee.
- O. Complete the addition of sufficient nitrite to Tank AY-102 by November 30, 2001 to bring calculated bulk nitrite concentration within chemistry specification – earn 2.3% of fee.
- P. Complete grab sampling and analysis on Tank AZ-102 by December 30, 2001 – earn 1.5% of fee.
- Q. Complete grab sampling, analysis, and an air lift circulator mixing evaluation on Tank AY-102 by September 30, 2002 – earn 5.1% of fee.
- R. Complete grab sampling and analysis on Tank AN-107 by September 30, 2003 – earn 1.4% 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.)*

Rebaseline scope, schedules, and completion milestones are provided in letter R. F. Wood, CHG, to J. J. Short, ORP, "Contract Number DE-AC27-99RL14047, Baseline Change Request for Definition and Funding of Action Plan to Respond to Defense Nuclear Facilities Safety Board Tank Integrity Issues," CHG-0004843 R2, dated November 17, 2000, including the "Double-Shell Tank Corrosion Mitigation Action Plan," and letter D. I. Allen, CHG, to A. B. Sidpara, ORP, "Contract Number DE-AC27-99RL14047; Transmittal of the Double-Shell Tank Integrity Program Plan." CHG-0007063 R1, dated February 8, 2001.

Completion of Expectations A-D shall be documented by CHG letter to ORP stating that the required calculated volume of caustic has been added to each tank per the specified Tank Farm Operating Procedure, with attached procedure data sheets.

Characterization data necessary to verify caustic addition calculations will also be provided. This will provide the basis showing the tanks should now be in specification. Post-caustic addition sampling and analysis completion is defined under completion of Superstretch I.

Completion of Expectation E shall be documented by CHG letter to ORP stating that the Tank AY-101 annulus vent system has been placed back into service per the applicable Tank Farm Operating Procedure, with attached procedure data sheets.

Completion of Expectation F shall be documented by CHG letter to ORP stating that the tank AN-107 corrosion probe has been replaced by September 30, 2001 as documented by an approved acceptance test report.

Completion of Expectation G shall be documented by CHG letter to ORP indicating that the UT crawler for the Tank Integrity Assessment Project has been procured, and attaching a copy of the receipt inspection report by September 30, 2001.

Completion of Expectation H shall be documented by CHG letter to ORP indicating that a plan containing a chemistry surveillance program for DST corrosion protection has been released by Document Control by September 30, 2001. Implementation of this plan by October 30, 2001 will be a quality criteria for payment of fee.

Completion of Expectation I shall be documented by CHG letter to ORP attaching a copy of final report on chemistry status of Tanks AY-101, AY-102, and AN-102 by September 30, 2002.

Completion of Expectation J shall be documented by completion of test report and work package status sheets by November 30, 2001.

Completion of Expectation K shall be documented in a released report on the results of the Tank AY-101 UT inspection with the new/modified NDE crawler system per the approved inspection plan for this work by June 30, 2002.

FY 2001 – 2006 PERFORMANCE BASED INCENTIVE

Completion of Expectation L shall be documented by work package status sheets by October 1, 2001.

Completion of Expectation M shall be documented in a released report on the results of the Tank AY-101 stain evaluations by February 28, 2002.

Completion of Expectation N shall be documented by work package status sheets by September 30, 2001.

Completion of Expectation O shall be documented by CHG letter to ORP by November 30, 2001, stating that the required calculated volume of nitrite has been added to the tank per the specified Tank Farm Operating Procedure, with attached procedure data sheets. Characterization data necessary to verify nitrite addition calculations will also be provided. This will provide the basis showing the tank should now be in specification.

Completion of Expectation P shall be documented by CHG letter to ORP attaching a copy of final report on chemistry status of Tank AZ-102 by December 30, 2001.

Completion of Expectation Q includes post-nitrite addition sampling and analysis at 30 days and 6 months, corrosion potential testing, and an air lift circulator mixing analysis and shall be documented by CHG letter to ORP attaching a copy of final report by September 30, 2002.

Completion of Expectation R shall be documented by CHG letter to ORP attaching a copy of final report on chemistry status of Tank AN-107 by September 30, 2003.

DEFINITIONS: (define terms)

Sufficient Caustic/Nitrite: Calculations to determine "sufficient caustic/nitrite" for Expectations A-D and O are based on the DST chemistry specifications contained in Tank Farm Technical Safety Requirement (TSR) HNF-SD-WM-TSR-006, Administrative Control 5.15, Table 5.15.1, and on tank characterization data.

The new/modified NDE crawler system in Expectations J and K, and the equipment for evaluating the stained areas of Tank AY-101 in Expectation L and M, shall be designed to reach, or assess, the areas of highest potential for corrosion or wall penetration, to the extent practicable with existing technologies.

The video examinations of Expectation N shall include video examinations through at least four (4) annulus risers and one (1) primary dome riser.

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

Letters to ORP as indicated in Define Completion 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.)

Expectation E, for isolation of annulus water intrusion, is limited to water systems and pit sealing.

Expectation G, Contractor studies have determined that the UT crawler was the appropriate technology for performing the tank integrity assessment.

The transfer pump in Tank AN-102 can be made operable without having to remove or replace the pump.

Expectation J can be performed without amending the current Authorization Basis.

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**SECTION 5
Signatures**

ORP Contracting Officer Representative/Date

CHG President and General Manager/Date

ORP Contracting Officer/Date

CHG Contract Representative/Date

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

Title: FY 2001 Deferred Work Scope

Project Baseline Summary (PBS): TW01-04

Work Breakdown Structure (WBS): 1.01

Maximum Available Incentive Fee: *Superstretch Fee Potential = \$1,185K¹*
Total Estimated Superstretch BCWS = \$7,989K

Type: Superstretch

¹ \$7,989K BCWS + \$1,185K Fee = \$9,174K Funds**SECTION 2
Technical Contacts**

ORP Point of Contact: L. Erickson

Contractor Point of Contact: M. Payne

**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 and Corresponding Basis for Performance Incentive:

Pursuant to Baseline Change Request (BCR) RPP-01-054, complete the following (fee for individual items will be earned in the fiscal year in which the work is completed regardless of the milestone dates):

1. Evaporator Condenser Replacement. This activity will remove the existing carbon steel condenser at the 242-A Evaporator, and replace it with a new stainless steel condenser that is currently in storage, to ensure the continued availability of the Evaporator. Specific subtasks identified in this estimate are: plan and prepare for the evaporator condenser replacement, installation of the existing spare evaporator condenser, and preparation for restart of condenser and conducting a Standard Start-up Review in accordance with the procedure HNF-PRO-055, "Facilities Start-up Readiness." Timely replacement of the 242-A evaporator condenser ensures uninterrupted evaporative capability to the tank farms. The evaporator directly supports the ability to manage the volume of waste contained in the Double-Shell Tanks (DST). A prolonged outage of the evaporator would severely jeopardize the River Protection Project's (RPP) commitment to Ecology with respect to interim stabilization of the Single-Shell Tanks (SST) and retrieval of SST wastes. Milestone date 09/30/06. (Earn 13.1% of fee)
2. Deactivation of 702-A. This includes the design, Job Control System (JCS) planning, procurement, fabrication, testing, and turnover for capping the 296-A-17 and the 400 cfm exhauster stacks for isolation from the equipment. Since the 702-A ventilation system is no longer required to support on-going tank farm operations or the Waste Feed Delivery mission, good conduct of operations requires that it be deactivated. It also must be deactivated in order to meet the requirements of the State of Washington Department of Ecology's (Ecology) Administrative Orders 1250 and 1251, Action 5. Deactivation of 702-A must be completed within one year of the 06/30/05, deadline imposed by this order. Milestone date 09/30/06. (Earn 10.7% of fee)
3. Resolve SST Domeload Conservatism. Reevaluation and analysis of existing domeload restrictions for operational efficiencies. This activity will close historic questions on the existing dome load limits for SST farms. This may result in a reduction in the

FY 2001 – 2006 PERFORMANCE BASED INCENTIVE

- conservatism and a corresponding increase in the allowed loads on tanks. This is important to retrieval system design and operation of SST farms. Milestone date 09/03/06.(Earn 4.5% of fee)
4. Standard Hydrogen Monitoring System (SHMS), remove and isolate. Removal of three (3) SHMS and isolation of two (2) SHMS. Removal of these five SHMS from active status will eliminate approximately \$175K of operating costs per year or a net savings of more than \$2.5M during Phase I (2018) of the waste-processing project. Milestone date 09/30/06.(Earn 2.6% of fee)
 5. Information Resource Management (IRM) Integrated Data Management System Pilot. Pilot in process for CHG Procedures area. Integrated Data Management System (IDMS) includes workflow and electronic approvals. Completion of the IDMS Pilot will identify the key components and demonstrate the viability of implementation of this automated system. If successfully demonstrated, implementation of the IDMS at a cost of \$3.75M is expected to result in a savings of \$6.9M per year beginning in FY 2003. Milestone date 09/30/06.(Earn 5.0% of fee)
 6. Inactive S/SX Work (Abandoned Equipment). Removal of eight (8) WFIEs, one (1) Heat Trace Cabinet, two (2) inactive Exhausters and Deactivation of sixteen (16) Vertical Storage Units in S and SX Farms. Removing or deactivating old legacy equipment is required for good Conduct of Operations and supports the Land Disposal Restrictions (LDR) planning. This inactive equipment detracts from the farm housekeeping and is a potential source of surface contamination. Milestone date 09/30/06. (Earn 3.2% of fee)
 7. TMACS Connections. Completion of sixteen (16) TMACS Connections. Completion of an additional 16 Tank Monitoring and Control System (TMACS) connections will accelerate full conversion to TMACS, thereby providing enhanced capability to manage the tank farms. The TMACS provides a more reliable, automated system for monitoring and reporting status of the tanks. Milestone date 09/30/06. (Earn 8.8% of fee)
 8. CASS to TMACS. Completion of CASS to TMACS Phase One installations for six (6) locations. Completion of CASS to TMACS Phase Two installations for nine (9) locations. This will complete the transfer of CASS to TMACS that will provide enhanced capability to manage the tank farms. The TMACS provides a more reliable, automated system for monitoring and reporting status of the tanks. Milestone date 09/30/06. (Earn 4.0% of fee)
 9. Reduce Contamination Zones in SST Farms. Reduction of contamination zones by approximately 400,000 square meters in SST farms. Reduction in the area of contamination zones is expected to increase worker efficiency by accelerating the movement of workers into and out of farms. It will also reduce potential airborne contamination. Milestone date 09/30/06. (Earn 16.2% of fee)
 10. ENRAF - Liquid Level Gauge (LLG) Upgrades. Completion of seven (7) ENRAF installations. This will provide the capability to monitor changes in liquid levels in tanks, as required by DOE order and environmental regulations, where either the existing LLG is broken or no LLG currently exists. Milestone date 09/30/06. (Earn 3.7% of fee)
 11. Drawing Upgrades. H-14 system drawing development for 244-TX, 244-BX, 204-AR. Label replacement preparation and installation in C Farm, 244-A, 244-S, 244-TX, 244-U. This will provide improved configuration management and control of tank farm systems. Drawing and labeling upgrades enhance worker safety by providing added assurance that we know and understand the as-built condition of a tank farm system any time we plan to operate, maintain, or upgrade that system. Milestone date 09/30/06. (Earn 10.3% of fee)
 12. Raw Water Totalizers. Installation of three (3) Raw Water Totalizers. The measuring capability of the raw water totalizers provides enhanced capability to better manage DST space by providing more accurate measurement of water that is purposely added to the tank farm system, e.g., for line flushes. DST space is at a premium as we continue to add waste from the SST (both from the Interim Stabilization project and from retrieval of SST wastes), particularly since vitrification of tank wastes is not scheduled to start until 2007. Milestone date 09/30/06. (Earn 1.1% of fee)
 13. Project W-420 Stack Monitoring Upgrade. Design and fabrication work scope except for remaining monthly Management Reports, alternative engineering study and cost estimates. The Project W-420 Stack Monitoring Upgrades is required to provide accurate measurement of air emissions for several tank farm facilities. Accurate measurement and reporting of air emissions is needed to show that RPP and the Hanford Site are in compliance with National Emissions Standards for Hazardous Air Pollutants (CAA) (NESHAPS). Milestone date 09/30/06. (Earn 9.6% of fee)
 14. Electrical Circuit Verification Elementary Drawings. Completion of eighteen (18) Tank Farms, five (5) DCRTs and two (2) facilities electrical circuit verifications (identification of power feeds to instrument cabinets). This is needed to improve configuration management and control of electrical systems in the tank farms. This will enhance worker safety through improved lock and tag processes with higher integrity electrical drawings. Milestone date 09/30/06. (Earn 6.2% of fee)
 15. Liquid detection monitoring and mitigation (LDMM) Technology Assessment Comparison Report. Final comparison report for LDMM technology assessment. This will combine the data from a number of individual tests into a single summary report covering all the tests, thereby facilitating internal and stakeholder use. Milestone date 09/30/06. (Earn 1.0% 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.)

The Contractor will submit a letter report documenting completion for each item noted in the table below:

**FY 2001 WORKSCOPE
Unfunded BCWS**

1. Evaporator Condenser replacement. (partial scope)	\$1,200.0
2. Deactivation of 702-A. (entire scope)	\$737.0
3. Reevaluation and analysis of existing dome-load restrictions for operational efficiencies. (entire scope)	\$462.0
4. Removal of up to three (3) SHMS and isolation of up to two (2) SHMS. (entire scope)	\$248.4
5. Pilot in process for CHG Procedures area. IDMS includes workflow and electronic approvals (partial scope)	\$390.0
6. Removal of eight (8) WFIEs, one (1) Heat Trace Cabinet, two (2) Inactive Exhausters and Deactivation of sixteen (16) Vertical Storage Units in S and SX Farms.	\$246.0
7. Completion of sixteen (16) TMACS Connections. (partial scope)	\$727.3
8. Completion of CASS to TMACS Phase One installations for six (6) locations. Completion of CASS to TMACS Phase Two installations for nine (9) locations.	\$307.6
9. Reduction of contamination zones by approximately 400,000 square meters in SST Farms.	\$1,183.0
10. Completion of seven (7) ENRAF installations. (partial scope)	\$267.2
11. H-14 system drawing development for 244-TX; 244-U; 244-BX; 204-AR. Label replacement preparation and installation in C Farm; 244-A; 244-S; 244-TX; 244-U. (partial scope)	\$797.2
12. Installation of three (3) Raw Water Totalizers. (entire scope)	\$109.7
13. Design and fabrication workscope except for remaining monthly Management Reports, alternative engineering study and cost estimates. (partial scope)	\$700.0

14. Completion of eighteen (18) Tank Farms, five (5) DCRTs and two (2) facilities electrical circuit verifications (identification of power feeds to instrument cabinets).	\$513.2
15. Final comparison report for LDMM technology assessment.	\$100.0
	Total: \$7,988.6

DEFINITIONS: *(define terms)*

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

The Contractor will submit a letter report documenting completion for each item in Section 3.

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 Representative/Date

CHG President and General Manager/Date

ORP Contracting Officer/Date

CHG Contract Representative/Date

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

Title: Replacement 241-SY Primary Ventilation System Backup Exhauster

Project Baseline Summary (PBS): TW03

Work Breakdown Structure (WBS): 1.1.3.2.1.5

Maximum Available Incentive Fee: Superstretch Fee Potential = \$201K

Type: Superstretch

\$1,119K BCWS + \$201K Fee = \$1,320K Funds

SECTION 2**Technical Contacts***ORP Point of Contact: D. Bryson/D. Williams**Contractor Point of Contact: D. Allen/R. Popielarczyk***SECTION 3****Performance Expectations and Earning Schedule****Basis for Performance Incentive:**

Consent decree CT-99-5076-EFS sets enforceable milestones for saltwell pumping. SY Farm is the receiver farm for saltwell pumping and is required to have an active ventilation system. Following the removal of the primary exhauster (K1-4-1) from service in March 2001, the SY farm has been ventilated by a back-up exhauster (P-28). P-28 is beyond its design life and has experienced numerous shutdowns for various or unknown reasons over the past several years. Activities are underway to upgrade and repair an existing exhauster to serve as the primary exhauster, but these activities will continue to leave the aging and unreliable P-28 as the back-up exhauster. This superstretch performance incentive (SSPI) replaces the P-28 exhauster with a new regulatory compliant back-up exhauster (POR007) and provides for disposal of the replaced P-28 exhauster. Replacement of the P-28 exhauster will increase the reliability of the ventilation system to support saltwell retrieval and waste feed delivery to the vitrification plants.

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.

Specific Requirements:

1. Upgrade exhaust skid (POR007) targeted for completion by September 30, 2001. (Earn 40% of fee)
2. Remove K1-4-1 targeted for completion by September 30, 2001. (Earn 20% of fee)
3. Install replacement exhaust skid (POR007), and make it operational consistent with authorization basis and permits by January 30, 2002. (Earn 20% of fee)
4. Remove P-28 exhauster by April 30, 2003. (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.)

Completion of Performance Expectations 1 and 2 are target dates. Fee can be earned by completing the performance expectation by the target date. If Performance Expectations 1 and 2 are not completed by the target dates, the fee associated with the missed performance expectation(s) will be deferred and may be earned with completion of Performance Expectation 3. Performance Expectation 4 is independent of 1, 2, and 3, and fee can be earned upon completion by the milestone date.

FY 2001 – 2006 PERFORMANCE BASED INCENTIVE

1. Contractor will have completed design, procurement, fabrication, and testing necessary to upgrade the portable exhaust skid POR007 with a stack monitoring system by September 30, 2001.
2. Contractor will have completed the design and field work necessary to remove and dispose the exhaust skid K1-4-1 by September 30, 2001.
3. Contractor will have completed all the design, procurement, fabrication, field work, and field testing necessary to install the replacement primary exhauster POR007 on SY Farm. The exhauster POR007 will be operational by January 30, 2002.
4. Contractor will have removed and transferred the P-28 exhauster to the disposal contractor by April 30, 2003.

DEFINITIONS: (define terms)

Operational is defined as completion of the Operational Checklist and the Declaration of Readiness letter approved by the CHG approval authority.

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

1. Letter documenting the installation and testing of a stack monitoring system on the portable exhaust skid POR007.
2. Letter documenting removal and transfer of the exhaust skid K1-4-1 to the disposal contractor.
3. Letter documenting the replacement primary exhauster on SY Farm is operational per above definition.
4. Letter documenting the removal and transfer of the P-28 exhauster to the disposal contractor.

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.)

This is routine work covered by administrative procedures and no readiness review is required.

**SECTION 5
Signatures**

ORP Contracting Officer Representative/Date

CHG President and General Manager/Date

ORP Contracting Officer/Date

CHG Contract Representative/Date

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

Title: Ready 241-AP-102 as an Available Receiver Tank (SN-650 Activation)
 Project Baseline Summary (PBS): TW03 Work Breakdown Structure (WBS): 1.1.3.2.1.8.21
 Maximum Available Incentive Fee: Superstretch Fee Potential = \$147K
 Type: Superstretch
 FY 2001: \$816.8K BCWS + \$147K Fee = \$963.8K Funds

**SECTION 2
Technical Contacts**

ORP Point of Contact: M. Royack/D. Bryson
 Contractor Point of Contact: D. Allen/M. Ostrom

**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.

Specific Requirements:

- A. Complete project activities for SN-650 transfer line activation to make 241-AP-102 available as a receiving tank for saltwell waste transfers by 09/30/01 – earn 90% of fee.
- B. Complete waste transfers tank 241-AP-106 to tank 241-AP-108 and tank 241-AP-102 to tank 241-AP-106 by 09/30/01 – earn 5% of fee.
- C. Transfer saltwell pumping or crosssite transfer waste through SN-650 to tank 241-AP-102 by 10/15/01 – earn 5% of fee. (Note: The cost of performing this expectation is not included in the total SSPBI cost estimate of \$816,800. This expectation is part of the "interim stabilization" Work Breakdown Structure and was previously included in the funded baseline. The parties agreed to allocate 5% of the total available SSPBI fee to this element.)

**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.)

- A. Completion of work packages documenting successful jumper leak tests, which will enable SN-650 to be used as a transfer line to AP-102.
- B. Complete 800,000 gallon waste transfer from tank 241-AP-102 to tank 241-AP-106 in accordance with waste transfer compatibility reports.
- C. Completion of mass balance sheet verifying that waste has been received into tank 241-AP-102.

FY 2001 – 2006 PERFORMANCE BASED INCENTIVE

DEFINITIONS: *(define terms)*

None identified.

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

- A. Letter documenting the signed J1/J4 work package forms for jumper leak tests. Approval signatures in block 23 "Field Work Complete" and block 24 "OPS Acceptance."
- B. Letter documenting waste transfer data sheet and compatibility report for transfer of 800,000 gallons from tank 241-AP-102 to tank 241-AP-106.
- C. Letter transmitting balance sheet verifying that waste has been received in tank 241-AP-102.

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) Transfer pumps for 241-AP-102 and 241-AP-106 do not fail due to long-term non-use.

**SECTION 5
Signatures**

ORP Manager/Date

CHG President and General Manager/Date

ORP Contracting Officer/Date

CHG Contract Representative/Date