

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>				1. CONTRACT ID CODE	PAGE 1 OF 1 PAGES
2. AMENDMENT/MODIFICATION NO. M306	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)		
6. ISSUED BY U.S. Department of Energy Richland Operations Office 825 Jadwin Avenue, MSIN A7-80 Richland, WA 99352		7. ADMINISTERED BY (If other than Item 6)	CODE		
8. NAME AND ADDRESS OF CONTRACTOR (No. Street, county, State and ZIP: Code) Fluor Hanford, Inc. 2420 Stevens Center PO Box 1000 Richland, WA 99354				(✓) 9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
				10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC06-96RL13200	
				10B. DATED (SEE ITEM 13) 08/06/96	
CODE	FACILITY CODE				

**11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS**

The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers  is extended,  is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing Items 8 and 15, and returning one (1) copy of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATA SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and data specified.

**12. ACCOUNTING AND APPROPRIATION DATA (If required)**

N/A \$0.00

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

(✓)	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER Specify type of modification and authority) H.33; Performance Objectives, Measures, Expectations, and Fee Distribution

**E. IMPORTANT: Contractor**  is not,  is required to sign this document and return 2 copies to the issuing office.

**14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)**

The purpose of this modification is to incorporate revised Performance Incentive (PI) for PBS RL-0030 into Part III, Section J, Appendix D of the contract. This PI revision is to add super stretch goals as Objectives 8 and 9, and change to the construction of a 600 gpm system expansion from a 300 gpm under Over Target Funded, Objective 1c.

Attachment: Performance Incentive RL-0030 (Rev. 7).

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) C. M. Murphy, President and Chief Executive Officer		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Sally A. Sieracki, Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED 5/28/96	16B. UNITED STATES OF AMERICA BY Sally A. Sieracki	16C. DATE SIGNED 3 Jun 98
(Signature of person authorized to sign)		(Signature of Contracting Officer)	



**PERFORMANCE OBJECTIVES, MEASURES,  
EXPECTATIONS AND INCENTIVES**

**SECTION J**

**APPENDIX D  
FY 2007 – FY 2008**

<u>PI</u>	<u>PHMC Modification</u>	<u>Description</u>
<u>RL-0011</u> (Rev. 2)	Modification M290	NM Stabilization and Disposition – PFP
<u>RL-0012</u> (Rev. 1)	Modification A270	SNF Stabilization and Disposition – KBC
<u>RL-0013</u> (Rev. 1)	Modification A270	Solid Waste Stabilization and Disposition
<u>RL-0030</u> (Rev. 7)	Modification M306	Soil and Water Remediation – GWVZ Nuclear Facility
<u>RL-0040</u> (Rev.1)	Modification M279	Nuclear Facility D&D – Remainder of Hanford
<u>RL-0042</u> (Rev. 2)	Modification M279	Nuclear Facility FFTF
<u>RL-Composite</u> (Rev. 2)	Modification M258	Composite Performance
<u>FHI-Cost</u> <u>Underrun</u> <u>Funded</u>	Modification M252 <sup>(1)</sup>	Cost Underrun Funded Performance Incentive

**Interpretive Letters:**

<sup>(1)</sup>Letter, K. A. Klein to R. G. Gallagher, “Contract No. DE-AC06-96RL13200 -- Request for Equitable Adjustment on Underrun Funded Performance Objective 12, RL-040-Complete 212-N Nuclear Facility Hazard Reduction and Downgrade”, 07-AMCP-0134, dated April 4, 2007.

The following letter extends the date for specific fee incentives beyond the 9/30/06 completion date of the former PI's.

Letter, K. A. Klein to R. G. Gallagher, "Contract No. DE-AC06-96RL13200 -- Request for Approval of Proposed Revision to Contract Deliverables and RL-30 Performance Incentive Objective for Installation of a Sequestration Barrier at 100-NR-2", 07-PRO-0175, dated March 2, 2007.

**FY 2007 - FY 2008 FHI PERFORMANCE INCENTIVE**

Rev. 7, April 22, 2008

PBS: RL-0030 Soil and Water Remediation – GWVZ Nuclear Facility

Allocated Fee: \$9,999M of the fee available in PHMC Clause B.4

**PERFORMANCE OBJECTIVE 1: Implement Groundwater Remedies.**

**Performance Objective 1a:** Install and complete three months of operation of the 100-K West pump and treatment system averaging at least 50 gallons per minute to address the groundwater chromium plume by 31 July 2007.

\$1.7M may be earned as progress payment upon completion of Performance Objective 1a by 31 July 2007.

**Completion Criteria:**

- The pump and treatment system shall have a nominal treatment capacity of 100 gallons per minute with extraction from at least four wells and injection into at least two wells. Submit a letter certifying that FH has completed three months of pump and treatment system operations at 100-K West at an average rate of 50 gallons per minute.

**Government Furnished Services/Items:**

None identified.

**Performance Objective 1b:** Complete two months of treatability testing using the electro coagulation treatment in the 100-D area averaging at least 25 gallons per minute to address the groundwater chromium plume by 30 September 2007.

\$1.0M may be earned as progress payment upon completion of Performance Objective 1b by 30 September 2007.

**Completion Criteria:**

- The pump and treatment system shall have a nominal treatment capacity of 50 gallons per minute. Submit a letter certifying that FH has completed two months of electro coagulation system operations in the 100-D Area at an average rate of 25 gallons per minute.

**Government Furnished Services/Items:**

None identified.

**PERFORMANCE OBJECTIVE 2: Develop and implement a field investigation plan to locate significant sources of chromium contamination within the 100-D Area by 30 September 2008.**

\$0.6M may be earned as progress payment upon completion of Performance Objective 2 by 30 September 2008.

**Completion Criteria:**

- The field investigation plan has been written and approved.
- The approved field investigation plan has been implemented.
- FH has submitted a letter report to RL documenting the status of the implementation of the approved field investigation plan. The letter report will clearly state the field investigation approaches and methods used; it will document the well drilling and sampling completed; and it will document the preliminary findings, conclusions, and recommendations.

RL CO  Date 5/16/08

**FY 2007 - FY 2008 FHI PERFORMANCE INCENTIVE**

Rev. 7, April 22, 2008

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**Government Furnished Services/Items:**

- DOE-RL's approval of the field investigation plan within 30 days of submittal by FH.

**PERFORMANCE OBJECTIVE 3: Ensure the Protectiveness of Remedial Actions**

**Performance Objective 3a:** Complete the installation of a minimum of 15 wells from the TPA Milestone M-24 list and attain the CY07 TPA Milestone M-24-57M by 15 December 2007.

\$0.8M may be earned as progress payment upon completion of Performance Objective 3a by 15 December 2007.

**Performance Objective 3b:** Complete the installation of a minimum of 15 wells during FY08 and attain the CY08 TPA Milestone M-24-57P by 30 September 2008.

\$0.8M may be earned as progress payment upon completion of Performance Objective 3b by 30 September 2008.

**Completion Criteria for 3a and 3b:**

- Complete drilling wells and submit a letter that documents completion of TPA Milestone M-024-57 and that certifies the wells are sample-ready.

**Government Furnished Services/Items:**

None identified.

**Performance Objective 3c:** Submit the 200-BP-5 and 200-PO-1 Groundwater Remedial Investigation (RI) Draft A Work Plans to RL by 31 March 2007 and 30 September 2007, respectively.

\$0.5M may be earned as progress payment upon completion of the 200-BP-5 RI Draft A Work Plan by 31 March 2007.

\$0.5M may be earned as progress payment upon completion of the 200-PO-1 RI Draft A Work Plan by 30 September 2007.

**Completion Criteria:**

- Submittal of Draft A of the 200-BP-5 and 200-PO-1 Remedial Investigation Work Plans to RL by 31 March 2007 and 30 September 2007, respectively.

**Government Furnished Services/Items:**

None identified.

**Performance Objective 3d:** Submit the Draft A 200-ZP-1 Feasibility Study/Proposed Plan to RL by 30 September 2007.

\$0.8M may be earned as progress payment upon submittal of the Draft A 200-ZP-1 Feasibility Study/Proposed Plan to RL by 30 September 2007.

**Completion Criteria:**

- Submittal of the Draft A 200-ZP-1 Feasibility Study/Proposed Plan to RL by 30 September 2007.

RL CO *JL* Date *5/16/08*

**FY 2007 - FY 2008 FHI PERFORMANCE INCENTIVE**

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**Government Furnished Services/Items:**

None identified.

**PERFORMANCE OBJECTIVE 4: Complete the transition and integration of Groundwater Monitoring work scope from PNNL and perform Groundwater Monitoring in support of RCRA, CERCLA, and AEA Compliance.**

**Performance Objective 4a:** Submit the annual Hanford Site Groundwater Monitoring Report by 01 March 2007 and complete ninety percent (90%) of the groundwater monitoring well samples, as identified in the FY 2007 Integrated Sampling Schedule, by 30 September 2007.

\$0.4M may be earned as progress payment upon completion of the Hanford Site Groundwater Monitoring Report by 01 March 2007.

\$0.5M may be earned as progress payment upon completion of Performance Objective 4a by 30 September 2007.

**Performance Objective 4b:** Submit the annual Hanford Site Groundwater Monitoring Report by 01 March 2008 and complete ninety percent (90%) of the groundwater monitoring well samples, as identified in the FY 2008 Integrated Sampling Schedule, by 30 September 2008.

\$0.3M may be earned as progress payment upon completion of the Hanford Site Groundwater Monitoring Report by 01 March 2008.

\$0.4M may be earned as progress payment upon completion of Performance Objective 4b by 30 September 2008.

**Completion Criteria for 4a and 4b:**

- Submit the annual Hanford Site Groundwater Monitoring Report.
- Perform required well sampling and submit a letter that transmits a field sampling summary table documenting the wells sampled and the completion percentage in support of the groundwater monitoring integrated sampling schedule.

**Government Furnished Services/Items:**

None identified.

**OVER TARGET FUNDED**

**Performance Objective 1c:** Expand the 100-KR-4 pump and treatment system to address the chromium groundwater plume by 30 September 2008.

\$0.35M may be earned as progress payment upon completion of construction of the 100-KR-4 System Expansion extraction/injection/monitoring wells.

\$0.827M may be earned as progress payment upon completion of construction of a 600 gpm system expansion.

RL CO  Date 5/16/08

**FY 2007 - FY 2008 FHI PERFORMANCE INCENTIVE**

Rev. 7, April 22, 2008

PBS: RL-0030 Soil and Water Remediation – GWVZ Nuclear Facility

Allocated Fee: \$9.999M of the fee available in PHMC Clause B.4

**Completion Criteria:**

- The design of the pump and treatment system expansion shall be based on a final nominal treatment capacity of 600 gallons per minute. Submit a letter documenting that FH has completed the design and issued the DCN Drawings and Specifications to Procurement.
- Complete construction of 18 100-KR-4 System Expansion extraction/injection/monitoring wells and submit a letter documenting that the wells are complete.
- Complete physical modifications of the 100-KR-4 treatment system facilities (i.e., the two transfer facilities and the main process building) and installation of piping between all wells and the treatment system facilities.

**Government Furnished Services/Items:**

None identified.

**PERFORMANCE OBJECTIVE 5: Complete decommissioning of 100 wells by 30 September 2008.**

\$0.2M may be earned upon decommissioning 100 wells to support site closure by 30 September 2008.

**Completion Criteria:**

- Decommission 100 (cumulative 530) wells in accordance with the WAC. Well selection shall have concurrence from DOE and the Regulators. Completion will be documented with field activity reports and submission of decommissioning documentation to the Washington State Department of Ecology.

**Government Furnished Services/Items:**

None identified.

**PERFORMANCE OBJECTIVE 6: Complete Tie-in of two T Tank Farm wells into ETF transfer line to address Technetium-99 in the groundwater by 30 September 2007.**

\$0.072M may be earned upon completion of the tie-in of two T Tank Farm wells into the ETF transfer line 30 September 2007.

**Completion Criteria:**

- Complete construction of the tie-in to the two wells and initiate the pumping of groundwater to ETF for treatment.

RL CO *JL* Date *5/16/08*

**FY 2007 - FY 2008 FHI PERFORMANCE INCENTIVE**

Rev. 7, April 22, 2008

PBS: RL-0030 Soil and Water Remediation – GWVZ Nuclear Facility

Allocated Fee: \$9.999M of the fee available in PHMC Clause B.4

**PERFORMANCE OBJECTIVE 7: Expand the 200-ZP-1 pump and treatment system to address Carbon Tetrachloride by 30 September 2008.**

\$0.25M may be earned as progress payment upon completion of the expansion of the 200-ZP-1 pump and treatment system.

**Completion Criteria:**

- Complete the construction of the tie-in to four wells (W15-1, W15-7, W15-11, and W15-46) agreed to by RL and FH.
- The four wells shall be operational and pumping groundwater, to achieve maximum sustainable flow rates, to the 200-ZP-1 treatment facility.
- All upgrades to treatment facility and control system, shall be completed and functioning to accommodate a flow capacity of 500 gpm.

**SUPER STRETCH PERFORMANCE OBJECTIVES:**

**Note: Fee for Performance Objectives 8 and 9 will be paid from a share of the cost of the accelerated work and will be outside the fee pool identified in the PHMC Clause B.4.**

Accelerate groundwater remediation activities to enhance on-going remedial actions, complete the initial phase of remedial investigations along the Columbia River, initiate activities for two final groundwater remedies, and procure a new vapor extraction system.

**PERFORMANCE OBJECTIVE 8: Accelerate priority groundwater work scope elements along the Columbia River.**

\$0.3200M may be earned fully or in part as a stretch incentive payment upon completing the following accelerated priority groundwater work scope elements along the Columbia River:

- a. \$0.070M - Install aquifer tubes at 49 new sites along the river corridor to provide critical data to monitor and adjust on-going remedial actions and provide characterization data for remedial investigations.
- b. \$0.150M - Install 4 wells near the KW reactor to characterize the high concentration area of the KW chromium plume to monitor and adjust on-going remedial actions.
- c. \$0.100M - Recommend the treatment technology(ies) to use for the new 100-D groundwater pump and treatment facility. Conduct peer review activities on the Hanford chromium contaminated groundwater remediation technologies and chromium mixing factors at the groundwater/Columbia River interface.

**Completion Criteria:**

- a. Install aquifer tubes at 49 new sites by September 30, 2008.

RL CO  Date 5/16/08

**FY 2007 - FY 2008 FHI PERFORMANCE INCENTIVE**

Rev. 7, April 22, 2008

PBS: RL-0030 Soil and Water Remediation – GWVZ Nuclear Facility

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- b. Complete and accept four wells by September 30, 2008. The wells will be a minimum diameter of six inches and the locations and construction of the wells will be specified in the Sampling Analysis Instruction. Construction of the wells should be developed using specification appropriate for extraction wells.
- c. Criteria for completions is as follows:
  - Hold a technical information exchange meeting with other DOE sites and national experts on remediating chromium plumes in groundwater. Hold the information exchange meeting by May 31, 2008 and submit a summary of the meeting by July 15, 2008.
  - Lead a workshop to evaluate chromium dilution at the groundwater/Columbia River interface and submit a draft report to RL from this workshop by September 15, 2008. The report will provide recommendations for acquiring additional technical information to validate chromium mixing at the groundwater/Columbia River interface.
  - Submit a final technical and cost evaluation report for groundwater chromium pump and treat technologies. The report will recommend the technology(ies) to use for the new 100-D groundwater pump and treatment facility. At a minimum, an evaluation of the ion exchange process used at 100-K, the DR-5 ion exchange process, and electro-coagulation technology should be made. The final report shall have comments incorporated from a 30-day DOE-RL review and have considered input from the technical information exchange. The final report should be suitable for incorporating into a feasibility study and be provided to DOE-RL by September 15, 2008.

**Government Furnished Services/Items:**

None identified.

**PERFORMANCE OBJECTIVE 9: Accelerate priority groundwater work scope elements in the Central Plateau.**

\$0.680M may be earned fully or in part as a stretch incentive payment upon completion of the following new and accelerated Central Plateau work scope.

- a. \$0.220M - Develop pre-conceptual design information for the proposed final groundwater remedy pump and treatment system for 200-ZP-1 groundwater plumes (carbon tetrachloride and technetium-99).
- b. \$0.130M – Complete geophysical data collection, analysis, and report for 200-PO-1 to better understand the groundwater flow/interface between the Central Plateau and River Corridor.
- c. \$0.300M - Procure and install a replacement soil vapor extraction system for Groundwater Operable Unit 200-PW-1 (200-ZP-2).
- d. \$0.030M - Perform aquifer testing in a minimum of two wells in the vicinity of ZP-1 T Tank Farm extraction wells W11-45 and W11-46 to provide data required to

RL CO  Date 5/16/08

**FY 2007 - FY 2008 FHI PERFORMANCE INCENTIVE**

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support defensible capture zone groundwater modeling and to support future positioning of a new T-6 groundwater monitoring/extraction well.

**Completion Criteria:**

- a. Criteria for completions are as follow:
  - Issue draft Functional and Operational Requirements for the treatment system to DOE-RL for treating groundwater contaminants in the 200-West Area by May 30, 2008.
  - Issue a national solicitation to obtain multiple proposals for the ex-situ treatment of 200-ZP-1 groundwater. DOE concurrence required on the technical requirements for the proposals prior to the solicitation. Receive proposals from up to three firms (contingent upon qualified bidders) by September 30, 2008.
  - Issue a draft plan for the 200 West Area identifying the locations for extraction wells, injection wells, transfer stations, and the treatment facility, well screening intervals and expected well contaminant concentrations by September 15, 2008.
- b. Complete Phase I seismic and Phase I and 2 airborne electromagnetic field data acquisition, data analysis, and submit Phase I technology evaluation report to DOE by September 15, 2008.
- c. Complete the installation of a replacement soil vapor extraction system for Groundwater Operable Unit 200-PW-1 (200-ZP-2) by September 30, 2008, contingent upon the availability of subcontractors. The new system(s) will have a total operating capacity of up to 1000 cubic feet per minute.
- d. Issue a letter report summarizing the results of the aquifer tests by August 31, 2008

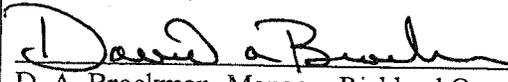
**Government Furnished Services/Items:**

RL shall concur on the technical requirements for the 200-ZP-1 national solicitation within 5 working days of submittal by FH.

Signatures:

  
C. M. Murphy, President & Chief Executive Officer  
Fluor Hanford, Inc.

5/28/08  
Date

  
D. A. Brockman, Manager Richland Operations Office

6/3/08  
Date

RL CO  Date 5/16/08

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4/22/08