

Modification Purpose:

1. The purpose of this modification is to issue a change order as follows:
 - a. Section C, *Statement of Work*, is revised to initiate design of the Balance of Facilities (BOF) modifications to support Direct Feed of LAW (DFLAW) in the contract.
 - b. The Contractor is directed to proceed with the workscope in Section C, *Statement of Work, Standard 3 Design*, paragraph (i) specified in the Modification Description below. The Contractor is directed to begin work immediately. The Contractor is authorized to incur costs up to a not-to-exceed (NTE) value of \$8,988,000 consistent with the other contract terms and conditions and pending definitization of this change.
2. Negotiations will commence within 90 days of the date of this change order. A bi-lateral modification definitizing this change order shall be executed as soon as possible after the date of the change order, not to exceed 180 days.
3. The Contractor shall provide change order accounting in accordance with Clause I.83, FAR 52.243-6, Change Order Accounting (APR 1984).
4. This modification does not add additional funds to the contract. Accordingly, work under the contract, such as that described herein, must be performed within the amount of funds which have been incrementally allotted to the contract in accordance with clause B.2, *Obligation and Availability of Funds and Contract Value*, and clause I.66, FAR 52.232-22 Limitation of Funds (Apr 1984).

Modification Description:

1. Section C, *Statement of Work, Standard 3 Design*, is revised to incorporate the following language:

(i) Design of BOF Utility Modifications:

The current BOF Utility Facilities are designed for full WTP Operation, therefore modification of these facilities will be required to support reduced throughput during DFLAW operation. Design modifications shall include; updating of control system software, providing for mechanical and electrical isolation, updating of all engineering primary documents and/or calculations, new instrumentation, providing piping modifications for extended layup, piping modifications for secondary headers with additional pumps, and new major pieces of equipment such as air compressors. Safety evaluations, permitting, and hazard analyses to perform the modifications are included in the scope of work.

2. A Not-to-Exceed value of \$8,988,000 is hereby established. As a result, the table in Section B, *Supplies or Services and Prices/Costs*, Section B.2, *Obligation and Availability of Funds and Contract Value*, paragraph (c) is revised as follows:

- The Total Estimated Contract Cost (TECC) is increased by \$8,988,000, from \$10,720,032,496 to \$10,729,020,496.
- The Total Estimated Contract Price (TECP) is increased by \$8,988,000, from \$11,315,156,036 to \$11,324,144,036.

The table in Section B, *Supplies or Services and Prices/Costs*, Section B.2, *Obligation and Availability of Funds and Contract Value*, paragraph (c) is deleted in its entirety and replaced in full as follows:

Cost:				
		Total Estimated Contract Cost (TECC) (329)		\$ <u>10,729,020,496</u>
Fee:				
A	Final Fee Determination - Pre-Mod No. A143		\$ 102,622,325	
B	Maximum Available Award Fee (See Table B-2-B-1)		\$ 114,501,215	
B.1	Project Management Incentive	\$ 54,744,797		
B.2	Cost Incentive	\$ 54,358,760		
B.3	REA Settlement	\$ 5,397,658		
C	Schedule Incentive Fee		\$ 227,000,000	
C.1	Activity Milestone Completion	\$ 173,000,000		
C.2	Facility Milestone Completion	\$ 54,000,000		
D	Operational Incentive Fee		\$ 91,000,000	
D.1	Cold Commissioning	\$ 45,000,000		
D.2	Hot Commissioning	\$ 46,000,000		
E	Enhancement Incentive Fee		\$ 60,000,000	
E.1	Enhanced Plant Capacity	\$ 15,000,000		
E.2	Sodium Reduction	\$ 15,000,000		
E.3	Enhanced Plant Turnover	\$ 15,000,000		
E.4	Sustained Production Achievement	\$ 15,000,000		
	Total Maximum Available Fee			\$ <u>595,123,540</u>
		Total Estimated Contract Price (TECP) (329)		\$ <u>11,324,144,036</u>

3. Contract Section J, *List of Attachments*, Attachment J, *Advance Understanding on Costs*, Table 13-B, *Not-to-Exceeds Not Included in Modification No. A143 Definitization (M155)*, is deleted in its entirety and replaced in full as follows:

13-B. Not-To-Exceeds Not Included in Modification No. A143 Definitization (M155)		
DOCUMENT ID.	TITLE	DEFINITIZATION MODIFICATION NO.
BCP-24590-06-02279	Expansion of DWP Requirements (permit Modifications) (M122) (M130)	A193
ORP 08-NSD-011 (05/20/08) (CCN 179512) TN 24590-06-03487	ORP Direction to Implement New Preliminary Safety Analysis Report (PSAR) Updates (M136)	A164
ORP 08-NSD-057 (10/09/08) (CCN 188218) TN 24590-06-03752	Direction to Implement New Safety Classification Process for the Waste Treatment and Immobilization Plant (WTP) (M141)	276
ORP 08-NSD-059 (10/15/08) (CCN 188217) TN 24590-06-03753	Direction to Implement New Justification for Continued Design, Procurement, and Installation (JCDPI) (M152)	A164
Modification M090 & 09-AMD-205 (07/18/08) (CCN 202423) TN 24590-06-02145 & -02381	Direction to Implement DOE 205.1A, Cyber Security Management Program (M155)	217
Modification M154 TN 24590-06-04133	Direction to Implement Pretreatment Engineering Platform (PEP) dry layup (M155)	A167
Modification M196 BCP 24590-06-04489 BCP 24590-06-04784 BCP 24590-06-05085	Direction to Implement Multiple Operational Readiness Strategy (218)	282
Modification M196 BCP 24590-06-04853 ORP 10-AMD-139 (05/06/10; CCN 218244)	Direction to Implement CXP Equipment Option (218)	
Modification 221 ORP 11-WTP-219 (06/17/11; CCN 236247); Modification 247 ORP 11-WTP-437	Direction to Proceed with Large Scale Testing (MOD 221, MOD 247, MOD 264, MOD 286)	299 - Partial

(12/01/11; CCN 242351); Modification 264 ORP 12-WTP-0109 (03/15/12; CCN 245985); Modification 286 ORP 12-WTP-317 (09/24/12)		
Modification 273	Direction to participate in the Hanford Site Organizational Climate and Safety Conscious Work Environment (SCWE) Survey	290
Modification 245 ORP 11-WTP-429	Direction to proceed with the implementation of DOE Order (O) 420.1B, <i>Facility Safety</i> , Chapter V, <i>Systems Engineer Program</i> . (245)	276
Modification 300 ORP 13-CPM-0099 (05/06/13); Mod 304 ORP 13-CPM-0133 (06/05/13); Modification 313 ORP 13-CPM-0299 (11/25/13)	Direction to Proceed with Full Scale Vessel Testing Program in lieu of the existing Computational Fluid Dynamics and Large Scale Vessel testing Program as a Design Verification Tool (300, 304, 313)	
Modification 329 ORP 14-CPM-0172	Direction to proceed with Section C, Statement of Work, Standard 3 Design, paragraph (i) Design of BOF Utility Modifications	

4. All other terms and conditions remain unchanged.

(End of Modification)