

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		1. CONTRACT ID CODE	PAGE OF PAGES 1   2
2. AMENDMENT/MODIFICATION NO. 0055	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY Idaho Operations U.S. Department of Energy Idaho Operations 1955 Fremont Avenue Idaho Falls ID 83415	CODE 00701	7. ADMINISTERED BY (If other than Item 6) Idaho Operations U.S. Department of Energy Idaho Operations 1955 Fremont Avenue MS 1221 Idaho Falls ID 83415	CODE 00701
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) FLUOR IDAHO, LLC Attn: AMANDA JORDAN 1070 RIVERWALK DRIVE, SUITE 201 IDAHO FALLS ID 83402		(x) 9A. AMENDMENT OF SOLICITATION NO.	
CODE 968795604		FACILITY CODE	9B. DATED (SEE ITEM 11)
		x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-EM0004083	
		10B. DATED (SEE ITEM 13) 02/04/2016	

**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 \_\_\_\_\_ copies 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 ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE 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 date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

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

CHECK ONE X	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. <u>Section I.100 Changes-Cost Reimbursement (Aug 1987) Alt II and III (Apr 1984)</u>
	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:
	D. OTHER (Specify type of modification and authority)

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

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

Tax ID Number: 45-2724914

DUNS Number: 968795604

The purpose of this modification is to issue an undefinitized contracting action (UCA) for CLIN 00003 Non-Target ICP Core Work Scope. This modification is being made under the authority of contract clause I.100 Changes--Cost Reimbursement (AUG 1987) Alternates II and III (APR 1984).

Effective September 28, 2017, the Contractor is authorized a not-to-exceed (NTE) of \$70,000 in direct costs for the work scope under this modification, consistent with the other contract terms and conditions of this contract until the scope is definitized. The NTE does not include fee or the overhead allocation from CLIN 00001. Once negotiations are Continued ...

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

15A. NAME AND TITLE OF SIGNER (Type or print)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jennifer K. Cate	
15B. CONTRACTOR/OFFEROR  <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Signature on File  <i>(Signature of Contracting Officer)</i>	16C. DATE SIGNED 09/28/2017

**CONTINUATION SHEET**

REFERENCE NO. OF DOCUMENT BEING CONTINUED  
DE-EM0004083/0055

PAGE OF  
2 2

NAME OF OFFEROR OR CONTRACTOR  
FLUOR IDAHO, LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>finalized, the contract will be revised accordingly as part of the definitized modification.</p> <p>The Contractor shall complete data collection and review needed to develop an estimate for transport and treatment of waste from the Separations Process Research Unit (SPRU) (see Attachment 1 for the SPRU waste scope of work). Once the actions identified by Fluor Idaho (see Attachment 2) are completed, DOE-ID and Fluor Idaho will work to further define the scope of this SPRU waste. At that time, the Contractor shall develop and submit its cost and schedule estimate by a date agreed to by both parties.</p> <p>The Contractor is directed to continue operations in accordance with contract Section B.2. The contract Terms and Conditions remain unchanged.</p> <p>Payment:                      OR for Idaho                      U.S. Department of Energy                      Oak Ridge Financial Service Center                      P.O. Box 6017                      Oak Ridge TN 37831</p> <p>Period of Performance: 06/01/2016 to 05/31/2021</p>				

Separations Process Research Unit (SPRU) Transuranic (TRU) Waste Idaho Management

Cost estimate for:

- 1) Receive and unload the SPRU TRU waste stream from the DOT Type-B shipping cask.
- 2) Manage the TRU waste stream according to the Contact Handled (CH) or Remote Handled (RH) TRU Program.
- 3) Complete the Acceptable Knowledge (AK) process.
- 4) Perform Real-Time Radiography (RTR) or Visual Exam (VE) and repackage TRU waste as necessary.
- 5) Perform all verification and certification activities to completion for final disposal at the Waste Isolation Pilot Plant (WIPP) of the entire SPRU waste stream.
- 6) Dispose of any Low Level/Mixed Low Level Waste resulting from characterization and certification activities.
- 7) Is it possible to cost out storage at Idaho, prior to shipment to WIPP, rather than shipping back to SPRU?
- 8) Transport SPRU certified waste back to SPRU. (Note: if WIPP can receive waste once certified, this may not be needed.)

Three basic options to cost out:

- 1) Repackage into shielded containers to render RH waste CH.
- 2) Maintaining mix of RH and CH containers (current configuration).
- 3) Provide separate cost to process shipment that includes "monolith".

GENERAL: Estimate should include a probable cost range to account for risk and cost uncertainty.



September 6, 2017

CCN 321191

Ms. Jennifer K. Cate, Contracting Officer  
U.S. Department of Energy  
Idaho Operations Office (DOE-ID)  
1955 Fremont Avenue  
Idaho Falls, ID 83415-1240

**SUBJECT:** Contract No. DE-EM0004083 – Request for Contract Direction to Complete Data Collection and Review Needed to Develop an Estimate for Transport and Treatment of Waste from the Separations Process Research Unit (SPRU)

**REFERENCE:** Benjamin J. Leake E-mail to Steven D. Poling, SPRU Estimate, July 31, 2017, CCN 321166

Dear Ms. Cate:

As noted in the reference, we have been informed that the U.S. Department of Energy (DOE) is considering requesting that Fluor Idaho, LLC (Fluor Idaho), complete a cost estimate to transport and treat waste from the Separations Process Research Unit (SPRU) in Niskayuna, New York. Due to conditions described below, Fluor Idaho, requests that we be authorized a Not-to-Exceed authorization of \$70,000 and 30 calendar days to complete actions listed below to understand the scope of the request. Once these support actions are complete, we will request funding and a time frame to provide a cost and schedule estimate for this new scope.

Due to the nature of the waste, the current situation at SPRU, the current state of waste certification and shipping to the Waste Isolation Pilot Plant, and the Idaho Cleanup Project Site Treatment Plan (STP) requirements, a number of actions need to be accomplished before a reasonable cost estimate and schedule for this work can be provided. Among the actions needed are:

- A technical review of the data provided by DOE to date to identify additional data needs;
- Investigation by a joint DOE-contractor team that would travel to SPRU to evaluate conditions there such as the expected division of labor between Fluor Idaho, DOE, the Knolls Atomic Power Laboratory contractor, and the SPRU contractor; the site infrastructure and personnel available to support transportation activities; and the location and state of data needed to support the scope;

Ms. Jennifer K. Cate  
September 6, 2017  
CCN 321191  
Page 2

- Assembling of additional data needed for preparation of a formal cost estimate; and
- Detailed technical discussions with DOE on this scope, especially the potential impacts to the Idaho Settlement Agreement and the STP requirements.

Completion of these actions prior to developing the cost estimate will allow us to establish a firm basis for our cost and schedule assumptions and reduce overall project risk to DOE, Fluor Idaho, and the various stakeholders.

If you have any questions, please contact me at (208) 533-0537.

Sincerely,



  
Thomas M. Williams, Director  
Prime Contract Management

JCM:amt

cc: DOE-ID  
P. H. Allen  
E. M. Auman  
M. Boline  
C. M. Flohr  
M. B. Hinman  
T. W. Jenkins  
B. J. Leake  
J. A. Malmø  
M. M. Mitchell-Williams  
A. S. Nebeker  
A. O. Perez  
D. M. Pruitt  
J. A. Van Vliet  
J. P. Zimmerman  
DOE-ID Admin Support Center  
DOE-ID Records Management

Fluor Idaho  
H. Brown  
P. A. Davis  
T. J. Dieter  
J. P. Floerke  
F. P. Hughes ~~FR~~  
J. Saye