

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 2
2. AMENDMENT/MODIFICATION NO. P00028	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY U.S. Department of Energy Idaho Operations Office 1955 Fremont Avenue Idaho Falls ID 83415	CODE 892432	7. ADMINISTERED BY (If other than Item 6) U.S. Department of Energy Idaho Operations Office 1955 Fremont Avenue Idaho Falls ID 83415	CODE 00701
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Idaho Environmental Coalition LLC Attn: Jason Mack 600 William Northern Blvd Tullahoma TN 373884729		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE			9B. DATED (SEE ITEM 11)
FACILITY CODE		x	10A. MODIFICATION OF CONTRACT/ORDER NO. 89303321DEM000061
			10B. DATED (SEE ITEM 13) 05/27/2021

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 electronic communication 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 letter or electronic communication, provided each letter or electronic communication 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. Clause I.172 FAR 52.243-2 Changes - Cost Reimbursement
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, 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.)

DUNS Number: Not Available

UEI: LQ5ZLNE3EM27

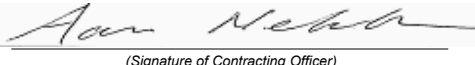
Procurement Instrument Identifier (PIID): 89243222FEMT003

Task Order - 3 Integration and Mission Continuity

The purpose of this modification is to issue a unilateral change order for cold crucible work scope. See CLIN-3 below for further details.

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) Aaron Nebeker	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 07/18/2022

Previous edition unusable

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
89303321DEM000061/P00028

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2 2

NAME OF OFFEROR OR CONTRACTOR
Idaho Environmental Coalition LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
00003	<p>Payment: OR for Idaho U.S. Department of Energy Oak Ridge Financial Service Center P.O. Box 6017 Oak Ridge TN 37831 Period of Performance: 10/01/2021 to 09/30/2031</p> <p>Change Item 00003 to read as follows (amount shown is the total amount):</p> <p>Task Order-3 - Integration and Mission Continuity Line item value is: \$668,617,119.00 Incrementally Funded Amount: \$283,119,169.30</p> <p>PIID: 89243222FEMTO03</p> <p>This modification issues a unilateral change order for the cold crucible work scope, which will be incorporated under Section C.6.2 - Calcine Retrieval Demonstration and Disposition Project. The general scope for this work includes developing a technology assessment and validation strategy to identify the critical path aspects needed to realize system validation and adequacy for calcined solids at the Idaho Site and H-Canyon effluent at the Savannah River Site. Task 2 will outline the required activities and strategy to bring the CCIM technology to a TRL of 4, indicating the technology is ready for insertion into the Critical Decision system.</p> <p>Per CO email dated July 7, 2022 (attached) the contractor is authorized a Not to Exceed (NTE) amount of \$54K. This amount includes fully burdened costs and fee. Funding for this NTE is currently available to support this action. A future modification will definitize the work scope in Section C.</p> <p>No other changes to the contract terms and conditions.</p>				668,617,119.00

From: [Nebeker, Aaron S](#)
To: [MacRae, John Howard Jr](#); [Simiele, Connie JoAnn](#)
Cc: [Balsmeier, Nicholas A](#); [Cate, Jennifer K](#); [Ruiz, Grace H](#); [Roberts, Benjamine B](#)
Subject: Cold Crucible
Date: Thursday, July 7, 2022 9:07:00 AM
Attachments: [01. ICP End State Task Order Form - Cold Crucible Task 2--TD.pdf](#)

CJ/Jack,

Wanted to give you an update on the cold crucible work. We have now completed a change form (attached). It has been signed internally and now language will just need to be added via modification to section C. The language in the attachment was provided by Val Kimbro to Mark Brown. As you know, funding is already available for this work (\$54K). As a reminder, please ensure that this funding covers all costs and fee.

IEC may use this email as authorization to begin work with the intent that verbiage will be officially added to Section C in the coming days.

Aaron Nebeker, Contracting Officer
U.S. Department of Energy
Idaho Cleanup Project
208.526.4027 Office
208.351.9883 Cell
nebekeas@id.doe.gov

DOE/ICP TASK ORDER REQUEST FORM

Task Order Title: Cold Crucible Induction Melter (CCIM) Technology Assessment and Validation Strategy

Concurrence/Approval

Prepared by (may be multiple):

- | | | |
|----|--|-----------------------|
| 1. | Joel Case/Nick Balsmeier | Date: <u>06/28/22</u> |
| | Requestor | |
| 2. | Agnes Gentillion | Date: <u>07/05/22</u> |
| | Project Controls | |
| 3. | Nick Balsmeier | Date: <u>07/05/22</u> |
| | Task Order Manager or Task Order Integration Manager | |

Concurrences

	Concur	Non-Concur	Signature	Date
<i>Applicable AM</i>				
Environment & Waste Programs	<input type="checkbox"/>	<input type="checkbox"/>		
INTEC Programs	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mark C. Brown	Digitally signed by Mark C. Brown Date: 2022.07.07 07:46:34 -06'00'
Business & Acquisition Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Jennifer K. Cate	Digitally signed by Jennifer K. Cate Date: 2022.07.06 14:53:00 -06'00'
Operational Oversight	<input type="checkbox"/>	<input type="checkbox"/>		
Project Controls Supervisor	<input type="checkbox"/>	<input type="checkbox"/>		

Approvals

	Approve	Disapprove	Signature	Date
<i>Approval can be either or both</i>				
Deputy Manager	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mark C. Brown	Digitally signed by Mark C. Brown Date: 2022.07.07 07:46:45 -06'00'
ICP Manager	<input type="checkbox"/>	<input type="checkbox"/>		
Contracting Officer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Aaron S. Nebeker	Digitally signed by Aaron S. Nebeker Date: 2022.07.07 08:14:56 -06'00'

Comment Section:

The purpose of this "Task 2" activity is to develop a Technology Assessment and Validation Strategy to identify the critical path aspects needed to realize system validation and adequacy for calcined solids at the Idaho Site and H-Canyon effluent at the Savannah River Site. Task 2 will outline the required activities and strategy to bring the CCIM technology to a TRL of 4, indicating the technology is ready for insertion into the Critical Decision system.

1: Brief Description of Task Order (TO)

- 1.0 New Task Order Modification to Existing Task Order No: Task Order 3
 - 1.1 **TO Title:** Integration and Mission Continuity
 - 1.2 **TO End State Objective (refer to Statement of Objectives on page 4):**
Continue cold crucible research by developing technology assessment and validation strategy to bring CCIM to a TRL of 4.
 - 1.3 **Section of Master IDIQ PWS (ex: Section C.8.0 with brief in-scope determination):**
This work is covered under section C.6.2 Calcine Retrieval Demonstration and Disposition Project
- By checking this box, the TO Manager confirms this TO is within scope and correlates to the Master IDIQ PWS.** (Rule of thumb: At the time the solicitation was issued, would the bidding parties have assumed a TO like this would have taken place?)

2: Additional Required Information

- 2.1 **Project Baseline Summary (PBS):**
 PBS12 PBS13 PBS14 PBS30 PBS40 Other
Projected TO Period of Performance (POP):
Anticipated start date: 07/07/2022
Anticipated completion date: 09/30/2022
- 2.2 **Will other TOs be impacted as a result of this TO?**
 No Yes (explain below)
- 2.3 **Are there impacts to regulatory milestones?**
 No Yes (explain below)
- 2.4 **Contemplated TO type:**
 CPAF CPIF CFFF FFP Hybrid

Rationale: Work to be added to TO-3.

3: DOE Integrated Project Team (IPT) Members

Task Order Integration Manager: Joel Case/Nick Balsmeier
Task Order Manager: Nick Balsmeier
Contracting Officer: Aaron Nebeker
Contract Specialist: Grace Ruiz
Project Controls: Agnes Gentillion
Other SMEs: Ty Sanders

4: Justification and Required Documentation (select A, B, C, or D)

4. If the CO Course of Action is:

A) New RTP or a TO Change – (Bilateral Action). Page 4 must include the following:

1. Draft SOO
2. Deliverables/Assumptions/Risks
3. Schedule or due date for scope completion (refer to 2.1)
4. Justification for the requested change to the TO (if applicable)
5. IGCE (Informal [ROM] < \$10M; Formal > \$10M)

The DOE team shall coordinate with the Contractor team to establish a joint understanding of the scope requirements prior to the issuance of the formal RTP.

B) Change Order (Unilateral Action). Page 4 must include the following:

1. Draft revised SOO
2. Deliverables/Assumptions/Risks
3. Schedule or due date for scope completion (refer to 2.1)
4. Justification for the requested change to the contract (if applicable)
5. IGCE (Informal [ROM] < \$10M; Formal > \$10M)
- 6a. Justification documenting urgency and/or harm to the Government if the work is not authorized immediately.
- 6b. Include an NTE value and document the basis for the NTE value.

If approved, the CO will issue a unilateral modification with an NTE value. The IGCE/ROM shall be used to establish the NTE value for the action. DOE and the Contractor shall immediately begin finalizing the PWS in order to definitize within 180 days from issuance of the NTE.

C) REA (Contractor initiated change). In a separate Word document, attach the following:

1. Merit determination and justification for affirming the request in form of a final determination
2. PWS confirmation
3. Deliverables/Assumptions/Risks
4. Schedule or due date for scope completion (refer to 2.1)

If the recommendation is to accept the REA, a technical and cost evaluation will be completed followed by negotiation and a subsequent bilateral contract modification. CO shall provide notice to the Contractor within 15 days of receipt of the REA.

If the recommendation is to deny the REA based on a written determination that the request lacks merit, provide the justification for the denial in sufficient detail. The CO shall provide notice to the Contractor within 15 days of receipt of the REA.

D) Other (explain):

Definitions:

CHANGE ORDER – Authorizing work with an NTE value before the Contractor has submitted a proposal and scope has been negotiated.

IDIQ – Indefinite Delivery/Indefinite Quantity

IGCE – Independent Government Cost Estimate

NTE – Not to Exceed dollar value to begin work in parallel with the requested cost and schedule estimate

PBS – Project Baseline Summary

POP – Period of Performance

PWS – Performance Work Statement

REA – Request for Equitable Adjustment (initiated by the Contractor)

ROM – Rough Order of Magnitude

RTP – Request for Task Order Proposal (DOE initiated change) (synonym with Cost and Schedule Estimate)

SOO – Statement of Objectives

TO – Task Order

For planning purposes only – All Task Orders are subject to funding availability

Scope Requirement (Use a separate sheet if necessary)

(Refer to page 3, Section 4)

1. Draft Statement of Objectives (SOO) (desired outcome of the work DOE needs completed):

The purpose of this follow-on "Task 2" activity is to develop a Technology Assessment and Validation Strategy to identify the critical path aspects needed to realize system validation and adequacy for calcined solids at the Idaho Site and H-Canyon effluent at the Savannah River Site. Task 2 will outline the required activities and strategy to bring the CCIM technology to a TRL of 4 as part of the CD process.

2. Deliverables (add to Attachment J-2 as needed)/Assumptions/Risks: (Intended to guide the joint IPT in the development of the PWS.)

Deliverables

Deliverable: Draft report--"Technology Assessment and Validation Strategy for Cold Crucible Vitrification of HLW Calcine Solids at the Idaho Site and H-Canyon Effluent at the Savannah River Site," including quarterly reporting if required.

Assumptions/Risks

Task 1 completed. This is low risk work.

3. Additional Schedule Details/Interim Milestones (not included on page 2, Section 2.1):

No interim milestones. Quarterly reporting is only required if Task 2 cannot be completed in FY 2022.

4. Justification for the requested change to the contract (if applicable):

This work was added to TO-3 separate from the approved IPL due to the funding type. Work will be added to TO-3 through TD funding.

5. Planning and Budget Assumptions:

Work is funded through TD funding.

6a. Provide a justification documenting the urgency and/or harm to the Government if the work is not authorized immediately:

This work was added to TO-3 separate from the approved IPL due to the funding type. Work will be added to TO-3 through TD funding.

6b. Document the basis for the NTE value (refer to 1.4):

TD funds allocated to this work are \$54,000. This is the total value, including fee.

Draft RTP Development Schedule:

- a. DOE provides signed TO form: na
- b. Partnering kickoff and Q&As: na
- c. Contractor drafts PWS: na
- d. Meet again (as needed): na
- e. DOE issues formal RTP: na