

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 3
2. AMENDMENT/MODIFICATION NO. P00004	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY EM-Idaho Department of Energy Office of Environmental Management Idaho Cleanup Project 1955 Fremont Avenue Idaho Falls ID 83415	CODE 893042	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: John H. MacRae, Jr. 1580 Sawtelle Street Idaho Falls ID 83402		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE LQ5ZLNE3EM27		FACILITY CODE	9B. DATED (SEE ITEM 11)
		x	10A. MODIFICATION OF CONTRACT/ORDER NO. 89303321DEM000061 89304223FEM400000
			10B. DATED (SEE ITEM 13) 09/08/2023

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	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 data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Section H.51 - Task Ordering Procedure & Section B.9 - Basis for Change
	D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not is required to sign this document and return 1 copies to the issuing office.

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

UEI: LQ5ZLNE3EM27

The purpose of this modification is to award Task Order 7.1 (TO 7.1) - Integrated Waste Treatment Unit (IWTU) Operations under CLIN 07, subtask 0701. The Contractor is authorized to commence work under this TO beginning 10/1/2023. See CLIN 07 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) J.H. MacRae, Jr (Jack), Business Services & PCO		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Aaron Nebeker	
15B. CONTRACTOR/OFFEROR JOHN MACRAE (Affiliate) <small>Digitally signed by JOHN MACRAE (Affiliate) Date: 2023.09.18 14:03:46 -06'07'</small> (Signature of person authorized to sign)	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA Aaron S. Nebeker <small>Digitally signed by Aaron S. Nebeker Date: 2023.09.18 14:12:46 -06'00'</small> (Signature of Contracting Officer)	16C. DATE SIGNED 9/18/2023

Previous edition unusable

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
89303321DEM000061/89304223FEM400000/P00004

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NAME OF OFFEROR OR CONTRACTOR
IDAHO ENVIRONMENTAL COALITION LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
00701	<p>Payment: OR for Idaho https://vipers.doe.gov Any questions, please contact by call/email 855-384-7377 or VipersSupport@hq.doe.gov Period of Performance: 10/01/2023 to 09/30/2031</p> <p>Add Item 00701 as follows:</p> <p>CLIN 07 Subtask 0701 IWTU Operations (TASK ORDER 7.1)</p> <p>PERIOD OF PERFORMANCE 10/1/2023 THROUGH 9/30/2025</p> <p>The purpose of this modification is to award TO 7.1 for the Integrated Waste Treatment Unit (IWTU) Operations under CLIN 07, Subtask 0701. The scope of work can be found in Section C in the TO 7.1 attachment.</p> <p>This is a Cost-Plus-Fixed-Fee (CPFF) type TO. The TO value of \$228,192,800 is broken down as follows: \$168,420,400 Direct costs, \$47,561,921 Program Overhead (POH) (calculated using the currently approved rate of 28.24%), \$3,789,459 Pension, and \$8,421,020 Fixed Fee (Fee for TO 7.1 is calculated as 5% of the estimated direct costs. Fee for POH will be calculated and managed under TO 3 Phase 2. Fee is not calculated on Pension). Note: POH and Pension may be subject to change pending final negotiations for TO 3 Phase 2.</p> <p>Fixed Fee will be paid in accordance with Section B.2(b)(1) - Payment of Fee, of the attached TO 7.1. Additional details pertaining to each contract section can also be found in the attached TO 7.1.</p> <p>Attachments: 1. SF 30 Signed 2. TO 7.1 IWTU Operations 3. TO 7.1 Risk Register</p> <p>CONTRACTOR'S STATEMENT OF RELEASE: In consideration of the modification agreed to herein as a complete equitable adjustment for the TO 7.1 scope of work identified in this contract Continued ...</p>				228,192,800.00

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED
89303321DEM000061/89304223FEM400000/P00004

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NAME OF OFFEROR OR CONTRACTOR
IDAHO ENVIRONMENTAL COALITION LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	action, and in accordance with contract Section H.51 Task Order Procedures, the Contractor hereby releases the Government from any and all liability under this contract for further equitable adjustments attributable to such facts or circumstances giving rise to the proposal for adjustment.				

IDAHO CLEANUP PROJECT (ICP)

CONTRACT NO. 89303321DEM000061, CID: 89304223FEM400000, MODIFICATION P00004

SUBTASK 0701 - IWTU OPERATIONS

**Task Order 7.1, Subtask 0701 – Integrated Waste Treatment Unit
(IWTU) Operations (CLIN 07)**

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IDAHO CLEANUP PROJECT (ICP)

CONTRACT NO. 89303321DEM000061, CID: 89304223FEM400000, MODIFICATION P00004

SUBTASK 0701 - IWTU OPERATIONS

Section B - Supplies or Services and Prices/Costs

This Subtask (herein referred to as Task Order 7.1) shall be performed under the following:

Contract Structure	Number	Herein Referred to as
Indefinite Delivery/Indefinite Quantity Contract	89303321DEM000061	Master IDIQ Contract
Hybrid Task Order	89304223FEM400000	Hybrid Task Order
Contract Line Item Number (CLIN)	07	CLIN 07
Subtask	701	Task Order 7.1

This subtask shall be performed under Contract Line Item Number (CLIN) 00007 of the Idaho Cleanup Project (ICP) Contract. Section B of the Hybrid Task Order is incorporated by reference. The requisite clause information specific to this Task Order included below is consistent with the clause numbering structure established by the Master IDIQ Contract.

B.1 DOE-B-2012 Supplies/Services Being Procured/Delivery Requirements (Oct 2014)

The Contractor shall furnish all personnel, facilities, equipment, material, supplies, and services (except as may be expressly set forth in this Task Order as furnished by the Government) and otherwise do all things necessary for, or incident to, the performance of work as described in Section C, Performance Work Statement (PWS) under this Task Order.

B.2 Type of Contract

(a) DOE-B-2001 Cost-Plus-Fixed-Fee (CPFF) Task Order: Total Estimated Cost and Fixed Fee (Oct 2014) (Revised). In accordance with FAR 16.306, this is a “term form” CPFF TO. Under this form, if the performance is considered satisfactory by the Government, the fixed fee is payable at the expiration of the agreed-upon period, upon the contractor statement that the level of effort specified in the contract has been expended in performing the contract work.

(1) This is a term CPFF type task order. In accordance with the clause at FAR 52.216-8, the total estimated cost and fixed fee for this task order are as follows:

Table B-1. Estimated Total Price and Level of Effort.

Total Estimated Cost:	\$219,771,780
Fixed Fee:	\$8,421,020
PMI Fee:	*
Total Estimated Price:	\$228,192,800
Level of Effort (Productive Hours):	1,152,368**

**PMI will be available among all active TO's, however, the entire PMI fee available is managed under TO-3.*

***Prior to any modification being complete where additional fee is contemplated, this number of labor hours must be met or exceeded. However, exceeding the agreed to labor hours alone does not constitute a basis for an REA.*

IDAHO CLEANUP PROJECT (ICP)

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SUBTASK 0701 - IWTU OPERATIONS

- (2) The Total Estimated Cost and Fee of the Task Order, and/or the Total Estimated Cost and Fee of the Contract Line Items, is as follows (Table B-2):

Table B-2. Task Order CLIN Structure.

CLIN	CLIN Title	CLIN Type	Estimated Cost	Fee:	PMI Fee:	Total Estimated Price:
07	IWTU Operations	CPFF	\$219,771,780	\$8,421,020	*	\$228,192,800
CLIN= Contract Line Item Number						

* PMI will be available among all active TO's, however, the entire PMI fee available is managed under TO-3.

- (3) Payment of fee will be made in accordance with this clause, Section B.13 of the Master IDIQ Contract, and other applicable clauses of the Hybrid Task Order, such as (b)(1) below.

- (4) CLIN Description:

CLIN 07 – IWTU Operations:

The IWTU Operations scope shall be performed in accordance with Section C.6.1 IWTU Operations of the Master IDIQ Contract and Section C below. Costs are reimbursed based on allowable actual costs billed to the Task Order.

- (b) Payment of fee:

- (1) Fixed fee under this TO will be invoiced and paid quarterly. To determine the amount of fee to invoice, the fixed fee will be divided by the total number of quarters (eight). The Department of Energy, Idaho Cleanup Project (DOE ICP) will perform an additional evaluation to determine accuracy underruns/overruns experienced. Lastly, 10% of the estimated earned fee will be held until the end of each fiscal year.

B.4 DOE-B-2013 Obligation of Funds (Oct 2014)

- (a) Pursuant to the clause of this contract in FAR 52.232-22, *Limitation of Funds*, total funds in the amount(s) of (*see current funding modification and accompanying detailed funding profile*) are obligated for the payment of allowable costs.

Section C - Performance Work Statement

C.1 Task Order Requirements

During the execution of TO 7.1, the Contractor shall perform portion of the scope defined in the following PWS section of the Master IDIQ Contract, identified below:

- C.6.1 – Integrated Waste Treatment Unit (IWTU) Operations

The contractor shall operate and maintain the IWTU facility until treatment is complete on all sodium-bearing waste (SBW) in the four Idaho Nuclear Technology and Engineering Center (INTEC) tanks WM-

IDAHO CLEANUP PROJECT (ICP)

CONTRACT NO. 89303321DEM000061, CID: 89304223FEM400000, MODIFICATION P00004

SUBTASK 0701 - IWTU OPERATIONS

187, WM-188, WM-189, and WM-190, estimated 900,000 gallons of SBW, and store the granular waste product in the IWTU storage area. This work scope includes, but is not limited to:

- All planned and unplanned facility outages to include granular-activated carbon (GAC) bed changeout.
- Constructing new IWTU vaults
- Canister preparation and fabrication
- Transitioning IWTU nitrogen electric system from Diesel to Electric
- IWTU miscellaneous modifications
- Expansion of the Product Storage Building; and
- Construction of additional support buildings as needed to support operations

It is expected that the contractor will operate and maintain the plant in a way that is most advantageous to the government. Wide latitude is given to the contractor's approach and changing plant conditions.

- C.9.2.01.01 - Project Support Performance Requirements

The Contractor shall prepare a Fiscal Year Work Plans (FYWP) that includes narrative descriptions of the upcoming fiscal year, monthly spend plans and monthly metrics expected to be achieved. The FYWP shall be provided for DOE review for the upcoming fiscal year by September 30. In addition to this annual requirement, the Contractor shall, as requested, provide an updated FYWP that reflects updated projected funding for the fiscal year, actuals costs to date and a current estimate at completion. The Contractor is expected to coordinate with DOE to collaboratively manage funds while executing the performance work statement.

Section D - Packaging and Marking

Section D of the Hybrid Task Order Contract is incorporated by reference.

Section E - Inspection and Acceptance

Section E of the Master IDIQ Contract is incorporated by reference.

Section F - Deliveries or Performance

Section F of the Master IDIQ Contract is incorporated by reference. The requisite clause information specific to this Task Order included below is consistent with the clause numbering structure established by the Master IDIQ Contract.

IDAHO CLEANUP PROJECT (ICP)

CONTRACT NO. 89303321DEM000061, CID: 89304223FEM400000, MODIFICATION P00004

SUBTASK 0701 - IWTU OPERATIONS

F.3 Period of Performance

(b) The overall Period of Performance (POP) of this subtask is anticipated to be October 1, 2023 through September 30, 2025.

Section G - Contract Administration Data

Section G of the Hybrid Task Order is incorporated by reference, as applicable.

Section H - Special Contract Requirements

Section H of the Hybrid Task Order is incorporated by reference.

Section I - Contract Clauses

Section I of the Hybrid Task Order is incorporated by reference.

Additional clause(s):

52.228-15 Performance and Payment Bonds-Construction

Section J - List of Documents, Exhibits, and Other Attachments

Section J of the Hybrid Task Order is incorporated by reference, as applicable to this subtask. The Contractor shall submit the required deliverables under this subtask in accordance with Attachment J-2 *Contract Deliverables* of the Master IDIQ Contract.



TO7 Risk Register

Idaho Cleanup Project Programmatic Risk Register

Updated: 9.11.23

Risk ID	WBS	Responsible Organization	Risk Owner	IEC Risk Back-up	Risk Title	Risk Description	Trigger Event	Status	Risk Type	Handling Strategy	Risk Event Likelihood	Risk Impact	Risk Rating	Cost Impacts			Schedule Impacts (in days)			Basis of Impacts	Mitigation Actions	Mitigation Activities (P6 activity that points to your mitigation action)	Risk Corrective Actions	Date Identified	Last update
														Best Case	Most Likely	Worst Case	Best Case	Most Likely	Worst Case						
IWTU001R2	D.3.06	IEC	Nahay, Jordan T	N/A	IWTU: The Canister Decon System will not decontaminate the canisters to acceptable levels for transfer.	The Canister Decon System will not effectively or efficiently decontaminate the canister to levels acceptable for transfer between the Can Fill Cells and the canister storage vault and/or contamination spreads during can fill operations and the robotic decon system cannot remove sufficient contamination from the outside of a canister. This will most likely cause a spread of contamination outside of the can fill cells, thereby requiring additional contamination control mitigation.	Contamination levels exceed established limits and/or spreads outside of the can fill cells	Open	Threat	Accept	Possible	Moderate	2-Low	\$ 84,000	\$ 180,000	\$ 900,000	14	30	150	Best Case: 14 days X 10 hr/day X 6 FTE X \$100/hr = \$84,000 Most Likely Case: 30 days X 10 hr/day X 6 FTE X \$100/hr = \$180,000 Worst Case: 150 days X 10 hr/day X 6 FTE X \$100/hr = \$900,000	N/A	N/A		3/20/2022	6/22/2023
IWTU009aR2	D.3.06.70.01	IEC	Nowak, Joel T	N/A	IWTU: Lack of resources	Completing IWTU scope will be impacted due to a lack of resources.	The project cannot staff up as planned to support scheduled work.	Open	Threat	Mitigate	Unlikely	Moderate	2-Low	\$ 133,920	\$ 267,840	\$ 401,760	12	24	36	Best Case: 12 days x 10 hrs/day x 12 people x \$93/hr = \$133,920 Most Likely: 24 days x 10 hrs/day x 12 people x \$93/hr = \$267,840 Worst Case: 36 days x 10 hrs/day x 12 people x \$93/hr = \$401,760	Investigate several different avenues to fill these gaps with subcontracted labor and hiring additional planners and supervisors. Routine communication with the Building Trades Business Agents on upcoming craft needs.	WTU7OPS-R9a WTU7OPS-R9b		3/20/2022	6/22/2023
IWTU016R2	D.3.06.78.01	IEC	Nahay, Jordan T	N/A	IWTU: GAC replacement takes longer than estimated and extends the GAC Outage.	The GAC replacement will extend the current GAC outage schedule due to equipment design, procurement, and installation requirements during the outage.	Delays in GAC replacement delays completion of GAC Outage.	Open	Threat	Mitigate	Possible	Moderate	2-Low	\$ 216,240	\$ 432,480	\$ 864,960	4	8	16	Best Case: 4 days x 12 hrs/day x 17 people x \$265/hr = \$216,240 Most Likely: 8 days x 12 hrs/day x 17 people x \$265/hr = \$432,480 Worst Case: 16 days x 12 hrs/day x 17 people x \$265/hr = \$864,960	Subcontractor to work additional days to complete GAC replacement.	WTU7GACB1-R16		3/20/2022	6/22/2023
IWTU030R2	D.3.06.70.01	IEC	Nowak, Joel T	N/A	IWTU: The wet decon system rebuild does not function as designed.	The wet decon rebuild has issues that do not allow the wet decon system to fully function as designed.	Unsuccessful operation of wet decon system.	Open	Threat	Accept	Possible	Moderate	2-Low	\$ 50,000	\$ 90,000	\$ 270,000	16	30	90	Best Case: 16 days X 10 hr/day X 2 FTE X \$150/hr= \$240,000 Most Likely Case: 30 days X 10 hr/day X 3 FTE X \$100/hr= \$90,000 Worst Case: 90 days X 10 hr/day X 3 FTE X \$100/hr= \$270,000	N/A	N/A	Upon completion of project testing significant spares were ordered and have been received. Redundant colloid mills and strainers.	3/20/2022	6/22/2023
IWTU036R2	D.3.06.73.01	IEC	Nahay, Jordan T	N/A	IWTU PSB: Change orders Requiring Major Design Changes.	Change orders requiring major design changes are issued during excavation or construction, causing an increase in cost and schedule.	A change order requiring extensive re-design is issued during construction.	Open	Threat	Mitigate	Possible	Moderate	2-Low	\$ 180,000	\$ 270,000	\$ 405,000	20	30	45	Best Case: 20 days x 10 hrs/day x 4 people x \$225/hr = \$180,000 Most Likely: 30 days x 10 hrs/day x 4 people x \$225/hr = \$270,000 Worst Case: 45 days x 10 hrs/day x 4 people x \$225/hr = \$405,000	Discussions with Force Account and Engineering during additional walkdowns and reviews to identify potential issues before they impact schedule.	WTU7PSB-R36		3/20/2022	6/22/2023
IWTU037R2	D.3.06.73.01	IEC	Nahay, Jordan T	N/A	IWTU PSB: Multiple minor change orders issued during construction.	Multiple minor change orders are issued during construction, causing schedule delays and cost increases.	Multiple minor change orders are issued during construction or excavation.	Open	Threat	Mitigate	Possible	Minor	2-Low	\$ 89,280	\$ 178,560	\$ 334,800	8	16	30	Best Case: 8 days x 10 hrs/day x 12 people x \$93/hr = \$89,280 Most Likely: 16 days x 10 hrs/day x 12 people x \$93/hr = \$178,560 Worst Case: 30 days x 10 hrs/day x 12 people x \$93/hr = \$334,800	Discussions with Force Account and Engineering during additional walkdowns and drawing to identify potential issues before they impact schedule.	WTU7PSB-R37		3/20/2022	6/22/2023
IWTU041R2	D.3.06.75.01	IEC	Oliver, David M	N/A	IWTU: Vendor weld prepping does not keep pace with production.	Vendor weld prepping of existing canisters cannot keep pace with IWTU production.	Onsite weld prepped canisters fall <120 canisters.	Open	Threat	Mitigate	Rare	Minor	1-Low	\$ 36,000	\$ 60,000	\$ 90,000	2	9	13	Best Case: \$300/canister expedite fee x 120 canisters = \$36,000 Most Likely: \$300/canister expedite fee x 200 canisters = \$60,000 Worst Case: \$300/canister expedite fee x 300 canisters = \$90,000	Evaluate use of Non-weld prep canisters and excel shipping of canisters to subcontractor to build reserve inventory.	WTU7CAN-R41		3/20/2022	6/22/2023
IWTU043R2	D.3.06.75.01	IEC	Oliver, David M	N/A	IWTU: Weld prep damages welds and canisters.	Weld Prep damages the weld and canister on a few canisters (<5).	Five canisters fail inspection after weld prep.	Open	Threat	Mitigate	Unlikely	Minor	2-Low	\$ 2,000	\$ 8,000	\$ 22,000	4	8	12	Best Case: Additional rework on 1 canister Most Likely: Additional rework on 5 canisters Worst Case: New canister \$22,900	Order back-up replacement canisters.	WTU7CAN-R43		3/20/2022	6/22/2023
IWTU049	D.3.06.78.01	IEC	Oliver, David M	N/A	IWTU: Unable to release vendor supplied equipment for GAC replacement.	Added cost due to the required purchase of vendor supplied equipment	Detectable contamination found on vendor supplied equipment.	Open	Threat	Accept	Possible	Moderate	2-Low	\$ 247,200	\$ 350,000	\$ 853,200	1	2	3	Best Case: \$247,200 for equipment Most Likely: \$350,000 for equipment Worst Case: \$853,200 for equipment	N/A	N/A		4/23/2023	6/22/2023
IWTU053	D.3.06.73.01	IEC	Oliver, David M	N/A	IWTU: PSB II construction is delayed.	Delays in PSB II construction results in inadequate storage capacity and operational delays.	PSB I is full and construction of PSB II is incomplete.	Open	Threat	Mitigate	Possible	Moderate	2-Low	\$ 150,000	\$ 300,000	\$ 600,000	10	10	20	Best Case: 10 days X 10 hr/day X 10 FTE X \$150/hr= \$150,000 Most Likely Case: 10 days X 10 hr/day X 20 FTE X \$150/hr= \$300,000 Worst Case: 20 days X 10 hr/day X 20 FTE X \$150/hr= \$600,000	Use additional overtime resources to complete PSB-II as soon as possible.	WTU7PSB-R53		4/23/2023	6/22/2023
IWTU054b	D.3.06	IEC	Nahay, Jordan T	N/A	IWTU: BEA Support Services do not Meet IWTU Scheduled Need Dates.	IEC relies on BEA for support services on Milestones, regulatory commitments, and scope completion. If the work from BEA is delayed, or does not meet the requirements, it can cause a project schedule impact.	Insufficient quality of work product or timeliness of completion of BEA deliverables impacts project schedule.	Open	Threat	Shared	Unlikely	Moderate	2-Low	\$93,000	\$390,600	\$1,116,000	5	21	60	Best Case: 5 days X 10 hrs/dy X 20 FTEs X \$93/hr Most Likely Case: 21 days X 10 hrs/dy X 20 FTEs X \$93/hr Worst Case: 60 days X 10 hrs/dy X 20 FTEs X \$93/hr	Propose sharing risk with DOE.	N/A		2/2/2023	9/11/2023



TO7 Risk Register: DOE Transfer Risks

Idaho Cleanup Project Programmatic Risk Register

Updated : 9.11.23

Risk ID	WBS	Responsible Organization	Risk Owner	IEC Risk Back-up	Risk Title	Risk Description	Trigger Event	Status	Risk Type	Handling Strategy	Risk Event Likelihood	Risk Impact	Risk Rating	Cost Impacts			Schedule Impacts (in days)			Basis of Impacts	Mitigation Actions	Date Identified	Last update	Risk team Comments
														Best Case	Most Likely	Worst Case	Best Case	Most Likely	Worst Case					
IWTU051	D.3.06	DOE	DOE FPD	Nahay, Jordan T	IWTU: Funding not approved for Converting IWTU Off Gas Cooling to Raw Water results in shutdown due to Potable Water Outage.	A leak in the Potable Water system requires an outage during IWTU Operation and will result in a unplanned shutdown until repaired.	Discovery of a leak in the Potable Water System.	Open	Threat	Transfer	Possible	Critical	4-High	\$ 1,700,000	\$ 3,400,000	\$ 5,100,000	7	14	21	If funding is not approved then the risk of forcing IWTU to shutdown due to a Potable Water outage remains. 2 potable water outages per year, each lasting 3 days. Therefore, 2 shutdowns and startups of IWTU required per year which would last 1 week each for a total of 2 weeks. IWTU cost is \$1.7M per week * 2 weeks = \$3.4M.	Propose transfer to DOE	6/19/2023	6/22/2023	We need to add the title into the description. So far this doesn't read like a DOE risk
IWTU052	D.3.06	DOE	DOE FPD	Nahay, Jordan T	IWTU: Forced Shutdown of IWTU Leads to Significant Unplanned Plant Modification	Failure during operation results in a moderate to significant plant modification that is unplanned and will require resources/materials well outside of budget	Failure during operations.	Open	Threat	Transfer	Unlikely	Major	3-Moderate	\$ 1,000,000	\$ 1,500,000	\$ 2,500,000	34	51	69	No significant modifications to IWTU are being forecasted, if a modification of this level is required due to a failure while operating this could require Design Engineering resources that have not been budgeted and installation resources that will be performed under radiological conditions which increase the complexity level.	Propose transfer to DOE	3/20/2022	6/22/2023	Does not read as a DOE risk. Let's discuss.
IWTU054a	D.3.06	DOE	DOE FPD	Nahay, Jordan T	IWTU: BEA Support Services do not Meet IWTU Scheduled Need Dates.	IEC relies on BEA for support services on Milestones, regulatory commitments, and scope completion. If the work from BEA is delayed, or does not meet the requirements, it can cause a project schedule impact.	Insufficient quality of work product or timeliness of completion of BEA deliverables impacts project schedule.	Open	Threat	Shared	Unlikely	Moderate	2-Low	\$93,000	\$390,600	\$1,116,000	5	21	60	Best Case: 5 days X 10 hrs/dy X 20 FTEs X \$93/hr Most Likely Case: 21 days X 10 hrs/dy X 20 FTEs X \$93/hr Worst Case: 60 days X 10 hrs/dy X 20 FTEs X \$93/hr	Propose sharing risk with DOE.	2/2/2023	9/11/2023	