AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF	PAGES
	1		5

2. AMENDMENT/MODIFICATION NUMBER	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQUISITION NUMBER	5. PROJECT NUMBER *(If applicable)*
0002	08/05/2026		

6. ISSUED BY CODE GSB

USGS OAG SACRAMENTO ACQUISITION BR.
MODOC HALL, CSUS
3020 STATE UNIVERSITY DRIVE EAST
SACRAMENTO CA 95819-6027

7.ADMINISTERED BY *(If other than Item 6)* CODE

8. NAME AND ADDRESS OF CONTRACTOR *(Number, street, county, State and ZIP Code)*

CODE | FACILITY CODE

(X) 9A. AMENDMENT OF SOLICITATION NUMBER
140G0326Q0190

☒ 9B. DATED *(SEE ITEM 11)*
08/05/2026

☐ 10A. MODIFICATION OF CONTRACT/ORDER NUMBER

10B. DATED *(SEE ITEM 13)*

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 1 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 ACKNOWLEDGMENT 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 APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NUMBER 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 NUMBER 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).

☐ 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.)*

See continuation page

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)*		16A. NAME AND TITLE OF CONTRACTING OFFICER *(Type or print)*	
		Elizabeth Adam	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		*(Signature of Contracting Officer)*	

NAME OF OFFEROR OR CONTRACTOR

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	AMENDMENT TWO The purpose of this Amendment is to answer vendor questions and extend the due dates for quotes: The due date for quotes is extended to August 17, 2026, at 10:00am EDT. The Government offers the following supplemental process information in response to a vendor inquiry. No drawings, specifications, or P&IDs beyond the Statement of Need (SON) are available for release. This is a pump skid procurement to replace an existing sulfur dioxide gas dechlorination system. The new skid shall inject liquid calcium thiosulfate (CaTS) into the existing carrier line that discharges the dechlorination stream into the process water culvert/mixing basin; existing SO2 injection hardware is not compatible and shall not be reused. The SON remains the governing document for all requirements. Q: Do you have drawings, specifications, or a P&ID available? A: No. No additional drawings or P&IDs will be provided. A site walk is not being offered; the SON is sufficient to scope and quote the requirement. The supplemental process data below is provided to assist with pump sizing and quoting. Application: Dechlorination of laboratory lake process water prior to discharge. Chemical: Liquid calcium thiosulfate, 30% w/v (24% w/w), NSF-certified (reference basis: Tessenderlo Kerley CaTS/Captor, specific gravity approximately 1.22¿1.32, approximately 10.4 lb/gal). Continued...				

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Process configuration: Process water (125¿250 GPM, typical approximately 150 GPM) flows from the settling tank into a culvert/mixing basin. Dechlorination is performed on a separate branch (carrier) line that delivers a small slipstream of process water, carrying the metered CaTS, into the same culvert/mixing basin, where blending with the full process stream occurs. CaTS is metered into this carrier line, not into the full-flow process stream.				
	Chlorine load: Process water is chlorinated with 0.8% sodium hypochlorite to approximately 2.5 ppm free chlorine residual following a 1-hour dwell in the settling tank prior to dechlorination. Representative current reading is approximately 150 GPM at approximately 2.25 ppm free chlorine residual. Offerors should allow for excursions up to approximately 3 ppm at peak flow. Existing dechlorination duty being replaced: approximately 9 lb/day sulfur dioxide gas.				
	Estimated CaTS dosing duty (per the manufacturer dechlorination dosage chart, approximately 5.1 gal per million gallons per ppm chlorine at neutral pH, based on the full process flow and chlorine load): - Typical (150 GPM, 2.25 ppm): approximately 0.10 GPH (approximately 2.5 gal/day) - Low flow (125 GPM, 2.5 ppm): approximately 0.10 GPH - Peak (250 GPM, 2.5 ppm): approximately 0.19 GPH - Peak with excursion (250 GPM, 3.0 ppm): approximately 0.23 GPH (approximately 5.5 gal/day)				

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ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	The resulting operating band is approximately 0.10¿0.23 GPH, consistent with the high-turndown, low-flow peristaltic metering pump specified in the SON. Estimated values are provided for reference only and do not modify the salient characteristics in Section 4.0.				
	Chemical storage: Liquid CaTS is supplied and stored in a 275-gallon tote at the storage location; totes are delivered and removed by the chemical supplier as needed. Pump suction shall be configured for tote draw-down.				
	Utilities and interfaces: - Power: 115V / 60Hz, single phase, standard NEMA 5-15 receptacle. - Controls: Facility BMS is Siemens Desigo. Required signals are 4¿20 mA input (dosing speed control) and 4¿20 mA output (flow/status feedback), plus remote start/stop, alarm output, and run/status output. - Suction: CaTS suction shall be run from the existing 275-gallon tote at the storage location. - Discharge/injection: The new system shall tie into and inject CaTS into the existing 1/2" Schedule 80 PVC carrier line, which delivers the dechlorination stream into the culvert/mixing basin. The carrier line is a low-flow branch, not the full 125¿250 GPM process stream. Existing SO2 injection hardware is not compatible and shall not be reused; the offeror shall provide a new injection assembly (diffuser/injection quill, fittings, and all materials) suitable for liquid CaTS injection into the 1/2" Schedule 80 PVC carrier line.				

Continued...

NAME OF OFFEROR OR CONTRACTOR

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	All other requirements remain as stated in the Statement of Need. No further questions will be accepted. ********** Solicitation POC: Elizabeth Adam, Contracting Officer elizabeth_adam@ios.doi.gov				