AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 7

2. AMENDMENT/MODIFICATION NO. P00004

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE CAD

CAD
US Environmental Protection Agency
26 West Martin Luther King Drive
Mail Code: W136
Cincinnati OH 45268-0001

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

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

GREAT LAKES ENVIRONMENTAL CENTER, INC.
Attn: William J Arnold
739 HASTINGS STREET
TRAVERSE CITY MI 496863458

CODE 800884181 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-C-16-008
68HERC19F0275

10B. DATED *(SEE ITEM 13)* 09/19/2019

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)* See Schedule (b)(4)

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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* Bilateral - FAR 52.232-22, EPA-B-32-101

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.)*

DUNS Number: 800884181
The purpose of this modification is to: (1) deobligate funding from Option Period 1 in the amount of (b)(4) (2) Provide incremental funding in the amount of (b)(4) for Option Period 1 (see the Limitation of Funds Notice clause for the cost-fee breakout); (3) Revise G-1 Local Clauses EPA-G-42-101 Contract Administration Representatives; and (4) Revise H-1 EPAAR 1552.237-72 Key Personnel clause.
TOCOR: Brian Hasty Max Expire Date: 04/30/2021 InvoiceApprover: Brian Hasty Alt Invoice App: Hugh Sullivan
LIST OF CHANGES:

Reason for Modification: Funding Only Action
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)* Sandra Stargardt-Licis

15B. CONTRACTOR/OFFEROR *(Signature of person authorized to sign)*

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA ELECTRONIC SIGNATURE *(Signature of Contracting Officer)*

16C. DATE SIGNED 06/23/2020

NAME OF OFFEROR OR CONTRACTOR
GREAT LAKES ENVIRONMENTAL CENTER, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Total Amount for this Modification: $0.00 New Total Amount for this Version: (b)(4) New Total Amount for this Award: (b)(4) Obligated Amount for this Modification: (b)(4) New Total Obligated Amount for this Award: (b)(4) Incremental Funded Amount changed: from (b)(4) Buyer changed from Nicholas Bisher to Amanda Toole Contracting Officer changed from Nicholas Bisher to Sandra Stargardt-Licis CHANGES FOR LINE ITEM NUMBER: 2 Obligated Amount for this Modification: (b)(4) Incremental Funded Amount changed from (b)(4) NEW ACCOUNTING CODE ADDED: Account code: 20-21-B-87FM-000BD4-2505-2087ME4014-004 Beginning FiscalYear 20 Ending Fiscal Year 21 Fund (Appropriation) B Budget Organization 87FM Program (PRC) 000BD4 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 2087ME4014-004 Quantity: 0 Amount: (b)(4) Percent: (b)(4) Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 CHANGES FOR ACCOUNTING CODE: 19-20-B-05HEL-000BJ7XF5-2505-1905HIX509-001 Amount changed (b)(4) Continued ...				

NAME OF OFFEROR OR CONTRACTOR
GREAT LAKES ENVIRONMENTAL CENTER, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 20-21-B-87FM-000B67-2505-2087ME4014-003 Beginning FiscalYear 20 Ending Fiscal Year 21 Fund (Appropriation) B Budget Organization 87FM Program (PRC) 000B67 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 2087ME4014-003 Quantity: 0 Amount: (b)(4) Percent: (b)(4) Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711				
	NEW ACCOUNTING CODE ADDED: Account code: 19-E1-87FM-000B06XP1-4183-2087ME4014-002 Beginning FiscalYear 19 Ending Fiscal Year Fund (Appropriation) E1 Budget Organization 87FM Program (PRC) 000B06XP1 Budget (BOC) 4183 Job # (Site/Project) Cost Organization DCN-LineID 2087ME4014-002 Quantity: 0 Amount: (b)(4) Percent: (b)(4) Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711				

Continued ...

NAME OF OFFEROR OR CONTRACTOR
GREAT LAKES ENVIRONMENTAL CENTER, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	NEW ACCOUNTING CODE ADDED: Account code: 20-21-B-05HEL-000BJ7XF5-2505-2005HIX501-001 Beginning FiscalYear 20 Ending Fiscal Year 21 Fund (Appropriation) B Budget Organization 05HEL Program (PRC) 000BJ7XF5 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 2005HIX501-001 Quantity: 0 Amount: (b)(4) Percent: 0 Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711				
	NEW ACCOUNTING CODE ADDED: Account code: 19-E1-87FM-000B06XP1-2505-2087ME4014-001 Beginning FiscalYear 19 Ending Fiscal Year Fund (Appropriation) E1 Budget Organization 87FM Program (PRC) 000B06XP1 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 2087ME4014-001 Quantity: 0 Amount: (b)(4) Percent: (b)(4) Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711				
	Continued ...				

NAME OF OFFEROR OR CONTRACTOR
GREAT LAKES ENVIRONMENTAL CENTER, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 10/01/2019 to 01/31/2021 . All other terms and conditions remain unchanged.				

Section B - Supplies or Services/Prices was revised as follows.

Local Clauses EPA-B-32-101 LIMITATION OF FUNDS NOTICE

OPTION PERIOD 1

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Pursuant to clause 52.232-22/Limitation of Funds, incremental funding in the amount of (b)(4) is allotted to cover estimated cost. Funding in the amount of (b)(4) is provided to cover the corresponding increment of fixed fee. The amount allotted for costs is estimated to cover the contractor's performance through 1/31/2021.

(b) When the contract is fully funded as specified in clause EPA-B-16-102/ Estimated Cost and Fixed Fee, then clause 52.232-20/Limitation of Cost shall become applicable.

(c) Recapitulation of Funds

RECAPITULATION OF FUNDING TO DATE BY CONTRACT PERIOD
CONTRACT NO. EP-C-16-008
TASK ORDER NO. 68HERC19F0275

Option Period 1 - FROM 2/1/2020 through 1/31/2021

FUNDING ACTION	ESTIMATED COST	FIXED FEE	TOTAL COST PLUS FIXED FEE
Base	(b)(4)	(b)(4)	$ 2,910,219.71
P00003			$ -
P00004			$ 273,997.29
Total Funded			$ 3,184,217.00
Total Per Contract			$ 3,184,217.00
Balance Unfunded			$ -

SECTION G - Contract Administration Data

G-1 Local Clauses EPA-G-42-101 CONTRACT ADMINISTRATION REPRESENTATIVES

Contract-Level Contracting Officers Representatives (CORs)/Project Officers for this contract are as follows:

Brian Hasty: Task Order Contracting Officer's Representative, hasty.brian@epa.gov, 202-564-2236

Hugh Sullivan: Alternate Task Order Contracting Officer's Representative, Sullivan.hugh@epa.gov, 202-564-1763

Contracting Officials responsible for administering this contract are as follows:

Sandra Stargardt-Licis: Contracting Officer, licis.sandy@epa.gov, 513-487-2006

Amanda Toole: Contract Specialist, toole.amanda@epa.gov, 513-569-7170

SECTION H - Special Contract Requirements

H-1 EPAAR 1552.237-72 KEY PERSONNEL. (APR 1984)

(a) The Contractor shall assign to this contract the following key personnel:

(b)(4)

(b) During the first ninety (90) days of performance, the Contractor shall make no substitutions of key personnel unless the substitution is necessitated by illness, death, or termination of employment. The Contractor shall notify the Contracting Officer within 15 calendar days after the occurrence of any of these events and provide the information required by paragraph (c) of this clause. After the initial 90-day period, the Contractor shall submit the information required by paragraph (c) to the Contracting Officer at least 15 days prior to making any permanent substitutions.

(c) The Contractor shall provide a detailed explanation of the circumstances necessitating the proposed substitutions, complete resumes for the proposed substitutes, and any additional information requested by the Contracting Officer. Proposed substitutes should have comparable qualifications to those of the persons being replaced. The Contracting Officer will notify the Contractor within 15 calendar days after receipt of all required information of the decision on substitutions. This clause will be modified to reflect any approved changes of key personnel.

(End of clause)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 2

2. AMENDMENT/MODIFICATION NO. P00005

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO.

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE CAD

CAD
US Environmental Protection Agency
26 West Martin Luther King Drive
Mail Code: W136
Cincinnati OH 45268-0001

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

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

GREAT LAKES ENVIRONMENTAL CENTER, INC.
Attn: William J Arnold
739 HASTINGS STREET
TRAVERSE CITY MI 496863458

CODE 800884181 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-C-16-008
68HERC19F0275

10B. DATED *(SEE ITEM 13)* 09/19/2019

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)*
See Schedule

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.
X	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: 800884181
TOCOR: Brian Hasty Max Expire Date: 04/30/2021 InvoiceApprover: Brian Hasty Alt Invoice App: Hugh Sullivan
LIST OF CHANGES:
Reason for Modification: Other Administrative Action

Section I: Clause titled "Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment. (AUG 2020)" is incorporated by reference.
Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment. (AUG 2020)

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)*
Sandra Stargardt-Licis

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
ELECTRONIC SIGNATURE
(Signature of Contracting Officer)

16C. DATE SIGNED 09/08/2020

NAME OF OFFEROR OR CONTRACTOR
GREAT LAKES ENVIRONMENTAL CENTER, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	The purpose of this modification is to incorporate the attached EPA blanket administrative modification signed by Raoul Scott on July 30, 2020. All other terms and conditions remain unchanged. Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 10/01/2019 to 01/31/2021				

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES

2. AMENDMENT/MODIFICATION NUMBER	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQUISITION NUMBER	5. PROJECT NUMBER *(If applicable)*
	08/13/2020		

6. ISSUED BY CODE

Raoul D. Scott, Director
OMS/ARM/OAS/Policy, Training and Oversight Division
US Environmental Protection Agency, Mail Code 3802R
1200 Pennsylvania Avenue, NW
Washington, DC 20004

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

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

To All EPA Contractors

CODE FACILITY CODE

(X) 9A. AMENDMENT OF SOLICITATION NUMBER

☐ 9B. DATED *(SEE ITEM 11)*

☒ 10A. MODIFICATION OF CONTRACT/ORDER NUMBER

To all EPA Contracts and Orders

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 _____ 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.)*

This contract/order is being modified in accordance with the applicability instructions in interim FAR Case 2019-009, and FAR 4.2105, requiring contracting officers to include FAR clause 52.204-25, Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

See attached for the full text version of FAR 52.204-25. Contractor Acknowledgment of receipt required.

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)*	
		Raoul D. Scott, Director Policy, Training and Oversight Division	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		RAOUL SCOTT Digitally signed by RAOUL SCOTT Date: 2020.07.30 11:40:17 -04'00' *(Signature of Contracting Officer)*	

Previous edition unusable

STANDARD FORM 30 (REV. 11/2016)
Prescribed by GSA FAR (48 CFR) 53.243

52.204-25 Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment.

As prescribed in 4.2105(b) and in the applicability instructions in interim FAR Case 2019-009, insert the following clause:

Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Aug 2020)

(a) *Definitions.* As used in this clause—

Backhaul means intermediate links between the core network, or backbone network, and the small subnetworks at the edge of the network (e.g., connecting cell phones/towers to the core telephone network). Backhaul can be wireless (e.g., microwave) or wired (e.g., fiber optic, coaxial cable, Ethernet).

Covered foreign country means The People's Republic of China.

Covered telecommunications equipment or services means–

(1) Telecommunications equipment produced by Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities);

(2) For the purpose of public safety, security of Government facilities, physical security surveillance of critical infrastructure, and other national security purposes, video surveillance and telecommunications equipment produced by Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities);

(3) Telecommunications or video surveillance services provided by such entities or using such equipment; or

(4) Telecommunications or video surveillance equipment or services produced or provided by an entity that the Secretary of Defense, in consultation with the Director of National Intelligence or the Director of the Federal Bureau of Investigation, reasonably believes to be an entity owned or controlled by, or otherwise connected to, the government of a covered foreign country.

Critical technology means–

(1) Defense articles or defense services included on the United States Munitions List set forth in the International Traffic in Arms Regulations under subchapter M of chapter I of title 22, Code of Federal Regulations;

(2) Items included on the Commerce Control List set forth in Supplement No. 1 to part 774 of the Export Administration Regulations under subchapter C of chapter VII of title 15, Code of Federal Regulations, and controlled-

(i) Pursuant to multilateral regimes, including for reasons relating to national security, chemical and biological weapons proliferation, nuclear nonproliferation, or missile technology; or

(ii) For reasons relating to regional stability or surreptitious listening;

(3) Specially designed and prepared nuclear equipment, parts and components, materials, software, and technology covered by part 810 of title 10, Code of Federal Regulations (relating to assistance to foreign atomic energy activities);

(4) Nuclear facilities, equipment, and material covered by part 110 of title 10, Code of Federal Regulations (relating to export and import of nuclear equipment and material);

(5) Select agents and toxins covered by part 331 of title 7, Code of Federal Regulations, part 121 of title 9 of such Code, or part 73 of title 42 of such Code; or

(6) Emerging and foundational technologies controlled pursuant to section 1758 of the Export Control Reform Act of 2018 (50 U.S.C. 4817).

Interconnection arrangements means arrangements governing the physical connection of two or more networks to allow the use of another's network to hand off traffic where it is ultimately delivered (e.g., connection of a customer of telephone provider A to a customer of telephone company B) or sharing data and other information resources.

Reasonable inquiry means an inquiry designed to uncover any information in the entity's possession about the identity of the producer or provider of covered telecommunications equipment or services used by the entity that excludes the need to include an internal or third-party audit.

Roaming means cellular communications services (e.g., voice, video, data) received from a visited network when unable to connect to the facilities of the home network either because signal coverage is too weak or because traffic is too high.

Substantial or essential component means any component necessary for the proper function or performance of a piece of equipment, system, or service.

(b) Prohibition. (1) Section 889(a)(1)(A) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2019, from procuring or obtaining, or extending or renewing a contract to procure or obtain, any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system. The Contractor is prohibited from providing to the Government any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104.

(2) Section 889(a)(1)(B) of the John S. McCain National Defense Authorization Act for Fiscal Year 2019 (Pub. L. 115-232) prohibits the head of an executive agency on or after August 13, 2020, from entering into a contract, or extending or renewing a contract, with an entity that uses any equipment, system, or service that uses covered telecommunications equipment or services as a substantial or essential component of any system, or as critical technology as part of any system, unless an exception at paragraph (c) of this clause applies or the covered telecommunication equipment or services are covered by a waiver described in FAR 4.2104. This prohibition applies to the use of covered telecommunications equipment or services, regardless of whether that use is in performance of work under a Federal contract.

(c) *Exceptions.* This clause does not prohibit contractors from providing—

(1) A service that connects to the facilities of a third-party, such as backhaul, roaming, or interconnection arrangements; or

(2) Telecommunications equipment that cannot route or redirect user data traffic or permit visibility into any user data or packets that such equipment transmits or otherwise handles.

(d) Reporting requirement.

(1) In the event the Contractor identifies covered telecommunications equipment or services used as a substantial or essential component of any system, or as critical technology as part of any system, during contract performance, or the Contractor is notified of such by a subcontractor at any tier or by any other source, the Contractor shall report the information in paragraph (d)(2) of this clause to the Contracting Officer, unless elsewhere in this contract are established procedures for reporting the information; in the case of the Department of Defense, the Contractor shall report to the website at https://dibnet.dod.mil. For indefinite delivery contracts, the Contractor shall report to the Contracting Officer for the indefinite delivery contract and the Contracting Officer(s) for any affected order or, in the case of the Department of Defense, identify both the indefinite delivery contract and any affected orders in the report provided at https://dibnet.dod.mil.

(2) The Contractor shall report the following information pursuant to paragraph (d)(1) of this clause

(i) Within one business day from the date of such identification or notification: the contract number; the order number(s), if applicable; supplier name; supplier unique entity identifier (if known); supplier Commercial and Government Entity (CAGE) code (if known); brand; model number (original equipment manufacturer number, manufacturer part number, or wholesaler number); item description; and any readily available information about mitigation actions undertaken or recommended.

(ii) Within 10 business days of submitting the information in paragraph (d)(2)(i) of this clause: any further available information about mitigation actions undertaken or recommended. In addition, the Contractor shall describe the efforts it undertook to prevent use or submission of covered telecommunications equipment or services, and any additional efforts that will be incorporated to prevent future use or submission of covered telecommunications equipment or services.

(e) *Subcontracts.* The Contractor shall insert the substance of this clause, including this paragraph (e) and excluding paragraph (b)(2), in all subcontracts and other contractual instruments, including subcontracts for the acquisition of commercial items.

(End of clause)

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF PAGES
	1	3

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
P00006	See Block 16C	PR-OW-21-00101	

6. ISSUED BY CODE CAD

CAD
US Environmental Protection Agency
26 West Martin Luther King Drive
Mail Code: W136
Cincinnati OH 45268-0001

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

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

GREAT LAKES ENVIRONMENTAL CENTER, INC.
Attn: William J Arnold
739 HASTINGS STREET
TRAVERSE CITY MI 496863458

CODE 800884181 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO.
EP-C-16-008
68HERC19F0275

10B. DATED *(SEE ITEM 13)*
09/19/2019

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)*
See Schedule (b)(4)

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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* Unilateral - EPAAR 1552.217-71 Option to Extend the Term of the Contract

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: 800884181
The purpose of this modification is to exercise Option Period 2 and to fully fund Option Period 2 in the amount of (b)(4) (b)(4) to cost and (b)(4) to fee).
TOCOR: Brian Hasty Max Expire Date: 04/30/2021 InvoiceApprover: Brian Hasty Alt Invoice App: Hugh Sullivan
LIST OF CHANGES:
Reason for Modification: Exercise an Option

New Total Amount for this Version: (b)(4)
New Total Amount for this Award: (b)(4)
Obligated Amount for this Modification: (b)(4)
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)*	
		Harold D. Hincks	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		ELECTRONIC SIGNATURE *(Signature of Contracting Officer)*	12/22/2020

NAME OF OFFEROR OR CONTRACTOR
GREAT LAKES ENVIRONMENTAL CENTER, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	New Total Obligated Amount for this Award: (b)(4) Obligated Amount for this Modification: (b)(4) Exercised option NEW ACCOUNTING CODE ADDED: Account code: 20-E1-87FM-000B06XP1-4183-2187ME4004-001 Beginning FiscalYear 20 Ending Fiscal Year Fund (Appropriation) E1 Budget Organization 87FM Program (PRC) 000B06XP1 Budget (BOC) 4183 Job # (Site/Project) Cost Organization DCN-LineID 2187ME4004-001 Quantity: 0 Amount: (b)(4) Percent: (b)(4) Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 10/01/2019 to 04/30/2021 All other terms and conditions remain unchanged.				

SECTION B - Supplies or Services/Prices

B-2 Local Clauses EPA-B-16-102 ESTIMATED COST AND FIXED FEE

OPTION PERIOD 2

(a) The estimated cost of this contract is (b)(4)

(b) The fixed fee is (b)(4)

(c) The total estimated cost and fixed fee is $13,151

SECTION F - Deliveries or Performance

F-1 Local Clauses EPA-F-12-101 PERIOD OF PERFORMANCE

OPTION PERIOD 2

The period of performance of this contract shall be from 02/01/2021 through 04/30/2021 inclusive of all required reports.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 5

2. AMENDMENT/MODIFICATION NO. P00007

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE CAD

CAD
US Environmental Protection Agency
26 West Martin Luther King Drive
Mail Code: W136
Cincinnati OH 45268-0001

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

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

GREAT LAKES ENVIRONMENTAL CENTER, INC.
Attn: William J Arnold
739 HASTINGS STREET
TRAVERSE CITY MI 496863458

CODE 800884181 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-C-16-008
68HERC19F0275

10B. DATED *(SEE ITEM 13)* 09/19/2019

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)*
See Schedule

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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* Bilateral - FAR 52.232-22; Limitation of Funds and Mutual Agreement of the Parties

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.)*

DUNS Number: 800884181
The purpose of this modification is to: (1) Revise the Performance Work Statement in accordance with Attachment 1, Performance Work Statement; (2) Extend the Period of Performance of Option Period 2 from 02/01/2021 - 04/30/2021 to 02/01/2021 - 01/31/2022; and (3) Shift funding in the amount of (b)(4) from Option Period 1 to Option Period 2 in accordance with the attached Recapitulation sheets.
TOCOR: Brian Hasty Max Expire Date: 01/31/2022 InvoiceApprover: Brian Hasty Alt Invoice App: Hugh Sullivan
LIST OF CHANGES:
Reason for Modification: Supplemental Agreement for work within scope
Period Of Performance End Date changed from 30-APR-21 to 31-JAN-22
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)*
Sandra Stargardt-Licis

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
ELECTRONIC SIGNATURE
(Signature of Contracting Officer)

16C. DATE SIGNED 03/16/2021

NAME OF OFFEROR OR CONTRACTOR
GREAT LAKES ENVIRONMENTAL CENTER, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Total Amount for this Modification: (b)(4) New Total Amount for this Version: (b)(4) New Total Amount for this Award: (b)(4) Incremental Funded Amount changed: from (b)(4) Maximum Potential Expiration Date changed to : 01/31/2022 CHANGES FOR LINE ITEM NUMBER: 2 Total Amount changed from (b)(4) to (b)(4) Obligated Amount for this Modification: (b)(4) Incremental Funded Amount changed from (b)(4) CHANGES FOR DELIVERY LOCATION: OW-OWOW-AWPD-MB Amount changed (b)(4) CHANGES FOR ACCOUNTING CODE: 19-E1-87FM-000B06XP1-4183-1987ME9027-001 Percent changed (b)(4) CHANGES FOR ACCOUNTING CODE: 19-E1-87FM-000B06XP1-2505-1987ME9027-004 Amount changed (b)(4) Percent changed from (b)(4) CHANGES FOR LINE ITEM NUMBER: 3 Total Amount changed from (b)(4) (b)(4) Obligated Amount for this Modification: (b)(4) Incremental Funded Amount changed from (b)(4) (b)(4) CHANGES FOR DELIVERY LOCATION: OW-OWOW-AWPD-MB Amount changed (b)(4) Delivery Date changed from 04/30/2021 to 01/31/2022 CHANGES FOR ACCOUNTING CODE: 20-E1-87FM-000B06XP1-4183-2187ME4004-001 Percent changed (b)(4) NEW ACCOUNTING CODE ADDED: Account code: Continued ...				

NAME OF OFFEROR OR CONTRACTOR
GREAT LAKES ENVIRONMENTAL CENTER, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	19-E1-87FM-000B06XP1-2505-1987ME9027-004 Beginning FiscalYear 19 Ending Fiscal Year Fund (Appropriation) E1 Budget Organization 87FM Program (PRC) 000B06XP1 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 1987ME9027-004 Quantity: 0 Amount: (b)(4) Percent: (b)(4) Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 10/01/2019 to 01/31/2022 All other terms and conditions remain unchanged.				

Section B - Supplies or Services/Prices was revised as follows.

B-2 Local Clauses EPA-B-16-102 ESTIMATED COST AND FIXED FEE

OPTION PERIOD 1

(a) The estimated cost of this contract is (b)(4)

(b) The fixed fee is (b)(4)

(c) The total estimated cost and fixed fee is $3,057,973

Local Clauses EPA-B-32-101 LIMITATION OF FUNDS NOTICE

OPTION PERIOD 1

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Pursuant to clause 52.232-22/Limitation of Funds, incremental funding in the amount of (b)(4) is allotted to cover estimated cost. Funding in the amount of (b)(4) is provided to cover the corresponding increment of fixed fee. The amount allotted for costs is estimated to cover the contractor's performance through 1/31/2021.

(b) When the contract is fully funded as specified in clause EPA-B-16-102/ Estimated Cost and Fixed Fee, then clause 52.232-20/Limitation of Cost shall become applicable.

(c) Recapitulation of Funds

RECAPITULATION OF FUNDING TO DATE BY CONTRACT PERIOD
CONTRACT NO. EP-C-16-008
TASK ORDER NO. 68HERC19F0275

Option Period 1 - FROM 2/1/2020 through 1/31/2021

FUNDING ACTION	ESTIMATED COST	FIXED FEE	TOTAL COST PLUS FIXED FEE
Base	(b)(4)	(b)(4)	$ 2,910,219.71
P00003			$ -
P00004			$ 273,997.29
P00007			$ (150,481.00)
Total Funded			$ 3,033,736.00
Total Per Contract			$ 3,057,973.00
Balance Unfunded			$ 24,237.00

B-2 Local Clauses EPA-B-16-102 ESTIMATED COST AND FIXED FEE

OPTION PERIOD 2

(a) The estimated cost of this contract is (b)(4)

(b) The fixed fee is (b)(4)

(c) The total estimated cost and fixed fee is $398,631

Local Clauses EPA-B-32-101 LIMITATION OF FUNDS NOTICE

OPTION PERIOD 2

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Pursuant to clause 52.232-22/Limitation of Funds, incremental funding in the amount of (b)(4) is allotted to cover estimated cost. Funding in the amount of (b)(4) is provided to cover the corresponding increment of fixed fee. The amount allotted for costs is estimated to cover the contractor's performance through 6/30/2021.

(b) When the contract is fully funded as specified in clause EPA-B-16-102/ Estimated Cost and Fixed Fee, then clause 52.232-20/Limitation of Cost shall become applicable.

(c) Recapitulation of Funds

RECAPITULATION OF FUNDING TO DATE BY CONTRACT PERIOD
CONTRACT NO. EP-C-16-008
TASK ORDER NO. 68HERC19F0275

Option Period 2 - FROM 2/1/2021 through 1/31/2022

FUNDING ACTION	ESTIMATED COST	FIXED FEE	TOTAL COST PLUS FIXED FEE
P00006	(b)(4)	(b)(4)	$ 13,151.00
P00007			$ 150,481.00
Total Funded			$ 163,632.00
Total Per Contract			$ 398,631.00
Balance Unfunded			$ 234,999.00

SECTION F - Deliveries or Performance

F-1 Local Clauses EPA-F-12-101 PERIOD OF PERFORMANCE

OPTION PERIOD 2

The period of performance of this contract shall be from 02/01/2021 through 01/31/2022 inclusive of all required reports.

PERFORMANCE WORK STATEMENT
Technical Support for National Aquatic Resource Survey
TASK ORDER: 68HERC19F0275

A. TITLE: National Coastal Condition Assessment 2020: Field Sampling

B. EPA PERSONNEL

Task Order Contracting Officer Representative (TOCOR):

Name: Brian Hasty
Office: OW/OWOW/WRAPD/MAB
Address: 1200 Pennsylvania Avenue NW (4503T), Washington, DC 20460
Telephone: 202-564-2236
E-mail: hasty.brian@epa.gov

Alternate Task Order Contracting Officer Representative (ALT - TOCOR):

Name: Hugh Sullivan
Office: OW/OWOW/WRAPD/MAB
Address: 1200 Pennsylvania Avenue NW (4503T), Washington, DC 20460
Telephone: 202-564-1763
E-mail: sullivan.hugh@epa.gov

C. ESTIMATED PERIOD OF PERFORMANCE

Base Period: October 1, 2019 through January 31, 2020
Option Period 1: February 1, 2020 through January 31, 2021
Option Period 2: February 1, 2021 through January 31, 2022~~April 30, 2021~~

D. TYPE OF TASK ORDER: Cost plus Fixed Fee (CPFF)

I. BACKGROUND:

As part of the National Aquatic Resource Surveys, EPA, state, tribal and other partners are implementing the National Coastal Condition Assessment (NCCA) in 2020. The NCCA is designed to:

1. Provide a statistically-valid report on the condition of nation's coastal waters (estuarine and Great Lakes) and identify key stressors to these systems;
2. Track changes over time between the NCCA 2020 and past surveys; and
3. Help build State and Tribal capacity for monitoring and assessment and promote collaboration across jurisdictional boundaries.

The candidate NCCA sites are located along the coasts of the contiguous U.S. including the Great Lakes. There are two types of candidate sites. The first type are probability sites selected randomly to report out on the condition of the nation's coastal waters. The second type are hand-

selected sites that may be used to address additional, specific assessment questions. If hand-selected sites are identified for contractor sampling, EPA will incorporate them by written modification to this task order by the contracting officer.

The contractor shall review the sites assigned to them using the criteria in NCCA 2020 Site Evaluation Guidelines (SEG) and other survey documents. For sites that fail the criteria, the contractor shall document the reasons in the state site evaluation spreadsheet and replace sites, following the protocols in the SEG and other survey documents. As explained in the SEG, providing EPA with information about sites that are dropped is as important as identifying the sites that are ultimately sampled.

To evaluate intra-site variability, EPA selects approximately ten percent of the sites for a second visit. EPA prefers that the same crew sample during both visits to eliminate between-crew variability in the data. The NCCA 2020 Field Operations Manual (FOM) specifies the minimum length of time between visits.

Field crews record the data using standardized electronic field forms ("eforms") provided by EPA for use on the contractor's provided tablet devices. Eforms are developed by EPA and accessed via an iOS application (not windows or android). Specifications for the tablet devices that EPA uses are included in Reference 9.

Before submission, the field crew leader reviews the data forms and submits the eforms within the application immediately upon review or when online access is available. EPA will provide paper field forms (hard copy and potentially pdf) for reference and backup for times when eforms are unavailable or impractical.

As another step in ensuring that all crews consistently apply the survey's field protocols, EPA will arrange for training in NCCA protocols and an assistance visit (AV) during one of each crew's initial sampling visits. AVs are conducted by persons who attended an EPA-sponsored training or served as trainers. By having AVs early, the crew can incorporate corrective actions into sampling at most of their assigned sites.

II. PURPOSE

The purpose of this task order is to provide field sampling support to the EPA Office of Water in implementing the NCCA 2020. The contractor shall schedule and deploy field crews to collect samples and observational data at EPA identified coastal sites. The contract field crews shall adhere to strict quality assurance and quality control (QA/QC) requirements, including attendance at NCCA 2020 and 2021 training; use of appropriate supplies and equipment; adherence to all shipping and logistical procedures; participation in quality assurance assistance visits; and adherence to data reporting requirements and deadlines. There were 700 sites sampled in the summer of 2020 during OP1, 60 additional sites were added to OP2 for a total of 801 sites.

III. GOVERNMENT FURNISHED INFORMATION

EPA will post the following references in the NARS SharePoint site **https://usepa.sharepoint.com/sites/OW_Community/nars/Contracts** as they become available. The EPA TOCOR will provide revisions of draft documents in the same SharePoint site as they become available.

- Reference 1: NCCA 2020 Quality Assurance Project Plan (QAPP) - DRAFT:

- Reference 2: NCCA 2015 Site Evaluation Guidelines (SEG)
  The site selection and replacement rules are described in the SEG. Please note that the stratification process has been updated for 2020, so some aspects of the replacement process will need to be updated and revised.

- Reference 3: NCCA 2020 Field Operations Manual (FOM) – DRAFT
  - EPA may include extra samples for microplastics, acidification in estuarine systems, isotopes in sediment, and algal toxins.

- References 4a and 4b: NCCA 2015 Quick Reference Guide (QRG)

- Reference 5a, 5b, 5c, 5d and 5e: NCCA 2015 Field Forms
  - EPA will provide the contractor with paper forms and e-forms versions for NCCA 2020 during the task order's period of performance.

- Reference 6: NCCA 2015 Field Assistance Visit Checklist

- Reference 7: NCCA 2020 Contractor Sites

- Reference 8a and 8b: NCCA 2020 Design File (all base and replacement/oversample sites)

- Reference 9: Specifications for tablets purchased by EPA and used in developing the eforms

- Reference 10: NCCA 2020 Contractor Sites for Intensifications (provided with Modification rather than on SharePoint)

- Reference 11a, 11b, 11c, and 11d: NCCA 2020 Design file for Intensifications (all base and replacement/oversample sites) (provided with Modification rather than on SharePoint)

During the period of performance, EPA will provide the contractor with:

- State Site Evaluation Spreadsheets for site evaluations prior to deployment of field sampling teams (example currently provided in the NARS SharePoint).
- Training for the contractor's field crews in the spring of 2020. EPA plans to offer training in the EPA Regions that have states participating in NCCA 2020.

IV. GENERAL REQUIREMENTS

In providing support under the tasks described in Section V, the contractor also shall adhere to the following general requirements:

1. Deliverables (see Contract PWS B.1)

Memoranda shall be placed on company letterhead and the subject line shall include the phrase "EPA Contract EP-C-16-0XX". When transmitting deliverables by email, subject headers should include the contract, task order, and deliverable description (e.g., "EP-C-16-0XX TO 68HERC19FXXXX: QAPP Signature Pages").

Except for NCCA 2020 project forms, which will have their own file naming convention, all electronic files shall be clearly named using the survey abbreviation, a logical abbreviation for the name of the document (e.g., QAPP), the contractor name (abbreviated), and the date of edits to assist in version control (e.g., NCCA 2020_QAPP_ XX_YYYYMMDD). Final versions shall be provided to EPA in both the original format (e.g., Word, PowerPoint) and PDF versions (if necessary, EPA will modify the files to be Section 508 compliant).

Unless specified differently by the EPA TOCOR in written technical direction (per Contract Clause H.12), the contractor shall ensure that documentation is created using Agency standard software formats (e.g., Microsoft Office) to facilitate EPA use and review.

2. Identification at Meetings (see Contract PWS B.2)

Contractor personnel shall always identify themselves as contractor employees by name and organization and physically display that information through an identification badge. Contractor personnel are prohibited from acting as the Agency's official representative. The contractor shall refer any questions relating to the interpretation of EPA policy, guidance, or regulation to the TOCOR.

3. The contractor shall follow the provision of EPA prescription 1523.703-1, acquisition of environmentally preferable meeting and conference services (May 2007), for the use of off-site commercial facilities for an EPA event, whether the event is a meeting, conference, training session, or other purpose. Environmental preferability is defined at FAR 2.101, and shall be used when soliciting quotes or offers for meeting /conference services on behalf of the Agency. No single event under this TO is anticipated to exceed $20,000. The contractor shall immediately notify the EPA Contracting Officer, PO and TOCOR of any anticipated event involving support for a meeting, conference, workshop, symposium, retreat, seminar or training that may potentially incur $20,000 or more in cost

during performance. Conference expenses are all direct and indirect costs paid by the government and include any associated authorized travel and per die m expenses, room charges for official business, audio visual use, light refreshments, registration fees, ground transportation and other expenses as defined by the Federal Travel Regulations. All outlays for conference preparation should be included, but the federal employee time for conference preparation should not be included. After notifying EPA of the potential to reach this threshold, the Contractor shall not proceed with the task(s) until authorize d to do so by the Contracting Officer.

4. As required, the TOCOR shall provide technical direction in accordance with Clause H-12 of the contract, EPAAR 1552.237-71 TECHNICAL DIRECTION (AUG 2009) and the Contract Level PWS. Any changes in cost or scope must be approved in writing by the contracting officer.

5. Government Furnished Property (GFP): There will be no GFP provided to the contractor during the performance of this task order. In accordance with FAR 45.102, the contractor shall be required to furnish all property necessary to perform this Task Order.

V. SCOPE OF WORK

Task 1. Task Order Management and Monthly Progress Reports (See Contract Attachment 2 and 3; PWS B.2)
The contractor shall manage the Task Order (TO) and submit monthly progress and financial reports prepared and submitted in accordance with the contract clause, Attachment 2, Reports of Work. The monthly progress and financial reports shall be broken out by task. The monthly progress report shall include project status, number of sites sampled (current and cumulative), identify sites sampled during the reporting period, unexpected problems or concerns, lessons learned, QA/QC activities, and next steps. The contractor also shall brief the TOCOR on progress during periodic (e.g., weekly) teleconferences during periods of intense activity.

Deliverables and Schedule under Task 1:

Task	Deliverable	Due
1	Progress and financial reports	Monthly
	Calls with EPA	Per written technical direction by the TOCOR (per Contract Clause H.12)

Task 2. Quality Assurance (Contract PWS B.3)
Quality Assurance (QA) is an important component of EPA's work to assure that minimum quality standards are attained. The contractor shall address the QA requirements of this task order by adhering to the requirements and procedures identified in:

- The contractor's customized Quality Management Plan (QMP) incorporated into this NARS contract;

- NCCA 2020 QA documents which document how QA/QC will be applied to the collection of environmental data for the survey. The documents relevant to support in this task order are:
    - NCCA 2020 Quality Assurance Project Plan (QAPP)
    - NCCA 2020 Site Evaluation Guidelines (SEG)
    - NCCA 2020 Field Operations Manual (FOM)

As demonstration of the contractor's:

a. Commitment to adhere to the NCCA 2020 QAPP, the contractor shall:

i. Ensure that all sampling personnel have reviewed and understand the requirements and procedures of the NCCA 2020 QAPP, FOM, and the SEG which will be available prior to the field crew training sessions. The certification page entitled "Review & Distribution Acknowledgment and Commitment to Implement" is located in the introductory section of the QAPP.
    - At a minimum, the following personnel shall sign the certification page for the QAPP approved by EPA's Quality Assurance Officer:
        - Contractor's Task Order Leader
        - Contractor's Quality Assurance Officer (QAO),
        - **Each crew leader must provide the signed certification page before the crew may commence with sampling events.**
    - At the contractor's discretion, it may also be appropriate for each field crew member to sign the certification page and transmit to EPA.
    - The contractor's QAO also shall sign the certification page for each revision of the QAPP that has been approved by EPA's QAO.
    - If EPA distributes updated versions of the QA documents and states that it contains a "significant change" relevant to field sampling, the contractor shall acknowledge, in writing (e.g., Email), that it has received and distributed the revised FOM to the appropriate personnel. If any change will impact the scope and/or cost of the task order, the contractor shall notify the TOCOR and Contracting Officer immediately.

ii. **Assign only staff who are Key Personnel (EPAAR 1552.237-72) to be field crew leaders (Task 7), and trainers (if appropriate) (Task 3). Ensure that the other field crew members have proper experience, field training, and acceptable educational credentials.** At a minimum, each proposed field crew leader shall have at least three years of experience in leading field crews; and at least three years of experience in collecting water samples and conducting sediment or fish sampling in coastal systems (e.g., estuarine or Great Lakes nearshore systems). Crews shall also have at least one member of the team with sufficient knowledge of fish species to determine if collected fish are considered target or not for NCCA purposes. If appropriate, proposed trainers shall have experience in training at least two of the three field sampling topics in vital sampling protocols used for NCCA 2020 (sediment collection, water collection and sample preparation protocols, and fish protocols. Proposed trainers shall also

have at least three years of experience in collecting water and either collecting sediment or fish in coastal systems.

iii. Complete the NCCA 2020 training requirements per Task 3, below.

iv. Perform pre-sampling (i.e., in-office) testing of hardcopy and electronic field forms (see reference 5 for example hardcopies)**.**

v. Verify that contractor's equipment (e.g., global positioning system) is properly calibrated and maintained.

vi. Make every effort to sample all sites to maintain the integrity of the probabilistic design. Missing sites will disrupt the integrity of the probabilistic design.

vii. Permit EPA to perform an assistance visit (AV) of its field crews during an early sampling event (e.g., the first to fourteenth sampling event by a crew). If a field crew leader oversees more than one crew, EPA will determine if it is necessary to visit each crew or whether fewer visits will meet its quality review objectives (e.g., depending on crew composition, the crews might be viewed as essentially the same). The contractor shall coordinate with EPA, or its designee, on an agreed upon date and location for the AV. EPA, or its designee, will conduct the AV using a checklist provided by EPA, supplemented by photographs if appropriate (e.g., to record a deviation in methods due to extenuating circumstances). Although EPA will arrange for the AVs, it is the contractor's responsibility to ensure that the contractor field crews are abiding by the requirements and procedures of the QAPP, FOM, and the SEG at all assigned sites.

b. Implementation of QA in performing the other tasks in this PWS, the contractor shall document its QA activities as follows:

i. Reports of relevant QA activities in any deliverable. All QA documentation prepared under the task order shall be considered non-proprietary, except for the internal distribution list which may be claimed proprietary.

ii. Monthly reports of QA activities performed during implementation of this task order. These monthly QA reports shall identify QA activities performed to support implementation of this task order, problems encountered, deviations from the NCCA 2020 QAPP, and corrective actions taken. The contractor shall include the QA report with the monthly progress report. In addition, the contractor shall immediately bring to the attention of the TOCOR any QA problems that may affect the conduct of the tasks or the project, with recommendations for corrective actions.

c. Commitment to continuous quality improvements, the contractor shall provide summaries of "lessons learned" based upon its support to the other tasks. EPA will use this information to improve future aquatic surveys. The contractor shall incorporate EPA comments into revised versions.

Additionally, unless the TOCOR grants an exception in accordance with agency procedures, the contractor shall refrain from publishing findings based upon work conducted under this task order. This restriction shall remain in effect until EPA provides public access to the data.

Deliverables and Schedule under Task 2:

Task	Deliverable	Due
2.a.i.	Signature page for each version of QAPP approved by EPA's QAO: - With contractor's QAO and Task Order Leader signatures. - With crew leader signature	- No later than 5 working days after receiving the approved QAPP with EPA QAO's signature - At training
	Email acknowledgement of Field Operations Manual (FOM) with "significant change"	No later than 10 working days after receiving revised FOM
2.a.ii.	Memo with qualifications of field crew members, other than the field crew leaders	With first draft of the schedule for field crews in each season. Unless circumstances change unexpectedly, qualifications of replacements, except key personnel, must be submitted at least one week prior to the sampling event. See key personnel clause for process for replacements through a task order modification.
2.a.iv.	Email with outcome of testing field forms with any recommended changes	5 working days after receiving the first electronic/paper version of field forms. 1-5 working days after receiving subsequent versions, depending on extent of revision and schedule implications.
2.a.v.	Access to contractor's calibration and maintenance records	Within 5 working days after receiving written technical direction from the TOCOR (per Contract Clause H.12)
2.a.vii.	Allow access for EPA or its designee to conduct an	Per written technical direction from the TOCOR (per Contract Clause H.12), based upon scheduling discussions

Task	Deliverable	Due
	assistance visit to each field crew	occurring prior to each crew's first sampling event
2.b.i.	Documentation of QA activities	In deliverables
2.b.ii.	Monthly reports of QA activities	With monthly progress report
2.c.	Memorandum 1 with lessons learned	November 15, 2020. Revisions within 5 work days.

Task 3. Field Training (Contract PWS C.1.g)

EPA will host NCCA training during the spring of 2020. The training will provide detailed instructions on the prescribed sampling methods for NCCA 2020 participants. Each training may include up to three 2-hour webinars (e.g., overview, site evaluation guidelines, eforms) and 3 days of combined classroom and field training. EPA may request the contractor record webinars and post to EPA's SharePoint site. EPA expects that the trainings will include evaluation of what crews have learned/retained, including but not limited to testing their understanding of materials presented by webinar/classroom and evaluating proficiency in field methods depending on current experience levels. To minimize travel costs for participants, EPA will conduct one train-the-trainer session and approximately 8 trainings located in different regions of the country. It is preferable that all crew members participate in training activities, but at a minimum the contractor shall ensure that each field crew leader and at least one other crew member participates in a training session unless the EPA TOCOR issues written technical direction (per Contract Clause H.12).

The contractor shall report out, each month, on any associated training costs (e.g., travel, LOE, etc.) broken out by each regional training using the template provided by the EPA TOCOR.

As an alternative to requiring field crew members to attend EPA's training, the contractor may choose to train its own crews in the NCCA 2020 protocols. This training will satisfy the requirements for EPA training under the following conditions:

1. The contractor identifies to EPA each of its proposed trainers, what methods he/she will train, and their experience with those methods.
2. All of the contractor's trainers have experience with NARS methods for identified indicators (e.g., the sediment trainer has experience with NCCA procedures for sediment collection).
3. All of the contractor's trainers attend EPA's NCCA 2020 train-the-trainer session prior to conducting the contractor training.
4. The structure and content of the contractor's training must be comparable to EPA's regional training sessions. The EPA TOCOR will determine if the training is comparable based upon a memorandum from the contractor that describes the training in-class facilities; location of the field training; and agenda that includes modules with the same content and length of time as EPA's training. The memorandum shall provide a

reasonable explanation for any deviations. The EPA TOCOR also may choose to attend the training to verify its consistency with the other trainings.

Deliverables and Schedule under Task 3:

Task	Deliverable	Due
3	Attend training	Prior to first sampling event
	Report out on costs associated with attending EPA NCCA trainings	With monthly progress report
	Memorandum describing contractor's training	10 working days prior to the first day of the contractor's training session (only required if contractor plans to train its own crews instead of using EPA's training).
	Spreadsheet identifying trainees and training date	Within 5 working days after contractor's training (only required if contractor plans to train its own crews instead of using EPA's training).

Task 4. Pre-Sampling Site Evaluation (See Contract PWS C.1)

Reference 7 (NCCA 2020 Contractor Sites) identifies base sampling sites assigned to the contractor and Reference 8 (NCCA 2020 Design Files) identifies all sites including statistically selected replacement sites. References 10 and 11 provide sampling sites assigned to the contractor for NCCA 2020 intensification efforts. The contractor shall conduct desktop and, when necessary, on-site reconnaissance to evaluate base and replacement sites following the instructions in the NCCA 2020 SEG (Reference 2 provides an example from 2015). Much of this work will take place during Option Period 1.

As part of the evaluation process, the contractor shall obtain the proper collection permit and/or landowner permission to sample sites, where necessary. It is imperative for the integrity of the probabilistic survey design that a thorough effort is made to gain permission to sample sites. For each field season, the contractor shall provide a summary of the permits that includes the following information:

- Site Identification (ID)
- Name of Refuge/Park/Authority
- Agency
- Contact Information (for Agency)
- Date Approved (if available)
- Permit Number

Additionally:

a. Unless directed otherwise by the TOCOR, the field crew shall provide notification to the TOCOR of a dropped site prior to sampling its replacement.

b. If the land is under control of a Tribe, the contractor shall receive prior approval from the EPA TOCOR **before** contacting any Tribal representatives or sampling the site.

c. If the permit or any other requirements conflict with the study protocols, the contractor shall notify the EPA TOCOR who will decide whether the site should be retained or replaced.

Periodically, the contractor shall report the decisions for each site using the state specific NCCA 2020 Site Evaluation Spreadsheets (located on the NARS SharePoint site after award of the task order).

Deliverables and Schedule under Task 4:

Task	Deliverable	Due
4	Site Evaluation Spreadsheet	First version due prior to any field sampling to show sites excluded by the desk reconnaissance; monthly during field sampling season (with progress report)
	Summary of Permits	One month prior to the end of the period of performance.
	Email identifying Indian Tribe ownership of site	Within 2 working days of identification. (This notification is critical.)
	Email describing conflicts with study protocols	Within 2 working days of identification.

Task 5. Field Sampling Schedule (See Contract PWS C.2)

One purpose of the field sampling schedule is to assist EPA with distribution of the sampling kits for each site. Another purpose is to ensure that the contractor will sample sites steadily during each index period and complete all sites during the NCCA index period (June 1 through September 30, 2020). To provide EPA with this information, the contractor shall develop, and revise, a schedule for its crews to complete a maximum of ~~742~~801 field sampling visits allocated as shown in the following table and the site locations provided in Reference 7 and Reference 8. A site identified for revisits counts as two field sampling visits. The table includes an allowance for several additional sites in each region to be identified as the season progresses. For example, a state may request that EPA provide additional field sampling support. The contractor shall provide the following:

a. Before the start of the field season, the contractor shall provide EPA with the first draft with tentative sampling dates and crew assignments for all sites that the contractor has

identified as potential sampling sites. Throughout the season, the contractor shall revise the schedule to incorporate the EPA TOCOR's written technical direction (per Contract Clause H.12) or mitigating factors, including, but not limited to, weather, field crew changes, and unanticipated delays.

b. To support EPA's review of the draft schedule and revisions that affect early season sampling events, the contractor shall provide a written assessment of the expected conditions at the sites scheduled to be sampled prior to the start of the official index period (June 1, 2020). Only after receiving written technical direction (per Contract Clause H.12) that approves the draft schedule and any revisions for sampling early, shall the contractor arrange for travel to sites on the approved list. EPA does not expect to grant extensions beyond the end of index period (September 30, 2020) and would do so in only rare cases.

c. For any site, if upon arrival on location, the contractor finds that conditions are not appropriate for sampling, the contractor shall discontinue sampling and notify the EPA TOCOR that a return visit is necessary when conditions meet the requirements in the SEG. The contractor shall revise the schedule to include the return visit.

State or Territory	**Maximum Number of Field Sampling Visits (includes revisits)**	**Comment**
Maximum # of visits	~~742~~**801**	**Likely breakdown of these sites is below; may vary slightly.**
Tribal Sites	5	Replacement sites can switch between a state assignment to/from a Tribal assignment; or from the Contractor to a state.
Massachusetts	38	Massachusetts is currently requesting contractor assistance. If that changes, EPA will issue appropriate technical direction and/or descope the Task Order.

Rhode Island	17	
New York	86	Contractor sites include both Great Lake and Estuarine sites. Contractor sites do not include six Long Island Sound site visits.
Mississippi	19	
Illinois	1	Contractor support for fish sampling only.
Indiana	2	
Michigan	121	Contractors shall provide costs to sample all Michigan sites. Michigan may opt to do some or all of the sampling. If so, EPA will issue appropriate technical direction and/or descope the Task Order.
Wisconsin – Lake Michigan	16	Conduct all field sampling at the Wisconsin Lake Michigan sites
Louisiana	80	
California	53	
Washington	56	
Lake Erie	45	45 sites in Lake Erie. Locations provided in Reference 10 Collect water chemistry (including chlorophyll a), algal toxin, enterococci, phytoplankton, and hydrographic profile samples only. Do not collect sediment, benthics or fish. Do not collect data using the underwater camera.
Lake Michigan Islands/National Park Service	50	For 44 of these sites, collect all fish data (fish tissue plugs, ecological fish, and human health fish tissue samples) (see Reference 10). For 6 sites in Indiana, collect all NCCA data (as shown in Reference 10).
Green Bay Enhancement	42	Collect fish tissue plugs and ecological fish samples at these sites. See Reference 10

Long Island Sound	120~~61~~	See Reference 10
Miscellaneous	50	Assume approximately 10 additional sites/site visits per NCCA geographic Region Assume the contractor is collecting all indicators, but in some cases the TOCOR may provide technical direction (per Contract Clause H.12) to collect a subset of indicators.
TOTAL complete site visits	**~~742~~801**	

Deliverables and Schedule under Task 5:

Task	Deliverable	Due
5.a	First draft of sampling schedule	First draft due April 1, 2020 or later per written technical direction by the TOCOR (per Contract Clause H.12). Revisions per technical direction (per Contract Clause H.12). Revisions are required until the field sampling is complete.
5.b	Assessment of sites scheduled for early sampling	April 1, 2020 or later per written technical direction by the TOCOR (per Contract Clause H.12). Revisions per technical direction (per Contract Clause H.12) to support field sampling decisions through June 30th.
5.c	Notification of site conditions	As soon as possible per availability of phone or email access.

Task 6. Preparation for Field Sampling (See Contract PWS C.2)

The contractor shall prepare for field sampling visits as follows:

a. The contractor shall request consumable materials using the electronic request form provided by EPA as described in the NCCA 2020 FOM. These materials include base kits, site kits and tracking forms. The kits, produced under the NCCA Logistics Task Order and sent by that contractor, consist of basic sample bottles, filters and filtering apparatus, labels, shipping materials and forms, ~~,~~ etc.

b. The contractor shall provide for and supply vehicles, staff, and all necessary non-consumable equipment to the field crews including, but not limited to, boats, safety equipment, multi-probes, fish shocking equipment, appropriate devices for electronic data capture (e.g. tablets), and GPS devices.

Deliverables and Schedule under Task 6:

Task	Deliverable	Due
6.a	Request consumable supplies	Within the timeframes identified in the NCCA 2020 FOM and replacements as needed
6.b	Supply equipment	During field sampling visits

Task 7. Field Sampling Visits (See Contract PWS C.2)

The contractor shall complete the field sampling visits during the index period, unless the EPA TOCOR provides written technical direction (per Contract Clause H.12) to sample outside the index period. For each field sampling visit, the contractor shall adhere to EPA's specified sampling methods outlined in the NCCA 2020 FOM and the quality assurance/ quality control requirements described in the NCCA 2020 QAPP. The contractor shall provide the following:

a. To record observations and sample information, the contractor shall use EPA's electronic field forms (eforms) within the EPA developed application or, in extenuating circumstances, paper forms (hard copy or pdf, if available). The contractor shall upload eforms and/or provide paper forms as soon as possible after the sampling visit is completed. The contractor shall provide their own tablets for running EPA's eform.

b. Prior to sample shipment, the contractor shall submit tracking forms as described in the NCCA FOM. The contractor then shall ship samples to locations specified by the NCCA FOM or written technical direction (per Contract Clause H.12).

c. The contractor shall review information received from NARS Information Management (IM) system to verify that: 1) eform data were fully and correctly incorporated into NARS IM; and 2) data from paper copies were correctly and completely scanned into NARS IM.

7:

Task	Deliverable	Due
7.a	Upload/Transmit eforms/forms and confirm transmittal/delivery was complete	As soon as possible (may vary depending on internet access and requirements in the 2020 FOM).
7.b	Ship samples and provide transmittal forms	Per 2020 FOM.

Task	Deliverable	Due
7.c	Memo describing the review of the NARS IM data and comparisons to the data submissions. Attachment with any corrections.	1 month after receiving the NARS IM data pull.

Task 8. Post-Sampling Activities (See Contract PWS C.2)

The contractor shall perform any post-sampling requirements specified in permits. The contractor shall make field crews available to respond to EPA's post-sampling questions about the field sampling observations and procedures that might affect the data values and quality. If questions come from sources other than the EPA TOCOR (e.g., NARS IM staff), copy the EPA TOCOR on the email response or provide a summary by email (e.g., if the questions were posed through telephone conversations).

Unless the TOCOR grants an exception in accordance with agency procedures-, the contractor shall refrain from publishing findings based upon work conducted under this task order. This restriction shall remain in effect until EPA provides public access to the data.

Deliverables and Schedule under Task 8:

Task	Deliverable	Due
8	Confirmation that actions required by permits have been completed	With monthly progress report
	Email responding to data questions	Within 5 working days, if field crew is available. Otherwise, provide email within 5 days with expected response date.

TRAVEL

This section provides a summary of the travel requirements described in Section V. Assume each field crew contains 4 members (when implementing the Task Order, the Contractor may end up with fewer or more crew members for given sites). Here are assumptions to use in costing:

Task V.3 (Training) –

- Any trainers attending train-the-trainer session (if contractor plans to train its own crews) in EPA Region 4, 6, or 9.
- All other key personnel and crew members attend an EPA regional training prior to starting field sampling unless the contractor decides to train its crews in-house and only travel necessary is to bring the crews to a central location. (Actual regional training selected after award may differ from those used in this costing.)

Task V.7 (Sampling) – for every site,

- One field crew of 4 members travel to the site.

- Total of ~~742~~801 site visits identified in Reference 7.
- Travel costs are minimized to the extent possible (e.g., combining nearby sites into one trip for the same crew).

VI. Quality Assurance Surveillance Plan (QASP)

EPA will judge performance using the following Quality Assurance Surveillance Plan (QASP).

Performance Requirement	Measureable Performance Standards	Surveillance Method	Incentives/Disincentives
Management and Communications: The Contractor shall maintain contact with the EPA TOCOR throughout the performance of the task order and shall immediately bring potential problems to the attention of the EPA TOCOR. In cases where issues have a direct impact on field sampling activities, project schedules (i.e., not each sampling event), cost, time, or quality, the contractor shall provide options for EPA's consideration on resolving the issues or mitigating their impacts.	Any issue adversely impacting project schedules, cost, time or quality shall be brought to the attention of the EPA TOCOR: i) If the contractor requires EPA guidance during a sampling event, the contractor must contact EPA prior to completing the sampling activities. ii) If the contractor identifies an issue that could affect multiple crews, the contractor shall contact EPA that day so that direction can be provided to all crews in the field. iii) If the contractor identifies sampling issues that are otherwise not urgent, the contractor shall contact EPA within 5 working days.	EPA TOCOR will identify unreported issues.	Four or more incidents where the contractor: • Does not provide timely notification; or • Created a severe adverse situation will be considered unsatisfactory performance and will be reported as such in the CPARS Performance Evaluation System under the category of **Management**. Fewer than four incidents where the contractor does not meet the measurable performance standard will be considered acceptable performance and will be reported as such in the CPARS Performance Evaluation System under the category of Management.
Timeliness: Samples, site evaluation spreadsheets, tracking forms and completed field sampling data forms shall be delivered in accordance with the requirements of the NCCA 2020 FOM and SEG.	No more than 5% of the samples shall be transmitted beyond the timelines stated in the FOM. Excessive breakage or spoilage will count as a failure of sample delivery, if breakage/spoilage is a result of failing to follow the FOMs protocols for shipping. No more than 10% of the spreadsheets and field sampling forms shall be submitted more than 5 working days past the requirements in the FOM. If the field form or spreadsheet has not been completed correctly, it will be considered a failure of timeliness.	100% of the lab delivery reports, spreadsheets, and field forms will be reviewed by the EPA TOCOR at the end of each season to compare actual delivery dates against the requirements in the FOM.	10 or more incidents where the contractor does not meet the measurable performance will be considered unsatisfactory performance and will be reported as such in the CPARS Performance Evaluation System under the category of **Schedule**. Fewer than ten incidents where the contractor does not meet the measurable performance standard will be considered acceptable performance and will be reported as such in the CPARS Performance Evaluation System.

Performance Requirement	Measureable Performance Standards	Surveillance Method	Incentives/Disincentives
Cost Management and Control: The Contractor shall monitor, track, and accurately report cost and fee expenditures to EPA through progress reports and approved special reporting requirements. The Contractor shall assign appropriately leveled and skilled personnel to all tasks, practice and encourage time management, and ensure accurate and appropriate cost control.	The contractor shall manage costs to the level of approved ceiling on the task order. The contractor shall notify the TOCOR, PO and CO when 75% of the approved funding ceiling for the task order is reached.	The TOCOR will compare actual versus projected expenditures on a monthly basis (via meetings, monthly progress reports & milestones established for each deliverable).	Unsatisfactory rating under the category of **Cost Control** in CPARS when the contractor does not meet the measurable performance standards. An acceptable rating will be reported in the CPARS Performance Evaluation System under the category of Cost Control if the contractor meets the measurable performance standards and accurately reports the costs.
Technical Effort: The Contractor shall assign appropriately leveled and skilled personnel to all tasks; and abide by the contractor's QMP, the NCCA 2020 FOM, SEG, and QAPP.	No more than 25% of reviewed deliverables and data shall require revisions to meet the requirements. All of the assigned staff must meet the requirements in the FOM.	100% of the data and staffing will be reviewed by the EPA TOCOR to identify noncompliance issues.	Unsatisfactory rating under the category of **Quality** in CPARS when the contractor does not meet the measurable performance standards during an applicable period of performance.

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE	OF PAGES
	1	4

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
P00008	See Block 16C	PR-OW-21-00262	

6. ISSUED BY CODE CAD

CAD
US Environmental Protection Agency
26 West Martin Luther King Drive
Mail Code: W136
Cincinnati OH 45268-0001

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

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

GREAT LAKES ENVIRONMENTAL CENTER, INC.
Attn: William J Arnold
739 HASTINGS STREET
TRAVERSE CITY MI 496863458

CODE 800884181 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO.
EP-C-16-008
68HERC19F0275

10B. DATED *(SEE ITEM 13)*
09/19/2019

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)*
See Schedule (b)(4)

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).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER *(Specify type of modification and authority)* Unilateral - FAR 52.232-22; Limitation of Funds

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: 800884181
The purpose of this modification is to add incremental funding to Option Period 2 in the amount of (b)(4) in accordance with the attached recapitulation sheets.
TOCOR: Brian Hasty Max Expire Date: 01/31/2022 InvoiceApprover: Brian Hasty Alt Invoice App: Hugh Sullivan
LIST OF CHANGES:
Reason for Modification: Funding Only Action

New Total Amount for this Version: (b)(4)
New Total Amount for this Award: (b)(4)
Obligated Amount for this Modification: (b)(4)
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)*	
		Sandra Stargardt-Licis	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		ELECTRONIC SIGNATURE *(Signature of Contracting Officer)*	03/25/2021

NAME OF OFFEROR OR CONTRACTOR
GREAT LAKES ENVIRONMENTAL CENTER, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	New Total Obligated Amount for this Award: (b)(4) Incremental Funded Amount changed: from (b)(4) CHANGES FOR LINE ITEM NUMBER: 3 Obligated Amount for this Modification: (b)(4) Incremental Funded Amount changed from (b)(4) NEW ACCOUNTING CODE ADDED: Account code: 21-22-B-87FM-000B67-2505-2187ME4016-001 Beginning FiscalYear 21 Ending Fiscal Year 22 Fund (Appropriation) B Budget Organization 87FM Program (PRC) 000B67 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 2187ME4016-001 Quantity: 0 Amount: (b)(4) Percent: (b)(4) Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 NEW ACCOUNTING CODE ADDED: Account code: 20-21-B-87FM-000B67-2505-2187ME4016-002 Beginning FiscalYear 20 Ending Fiscal Year 21 Fund (Appropriation) B Budget Organization 87FM Program (PRC) 000B67 Budget (BOC) 2505 Job # (Site/Project) Cost Organization DCN-LineID 2187ME4016-002 Quantity: 0 Amount: (b)(4) Continued ...				

NAME OF OFFEROR OR CONTRACTOR
GREAT LAKES ENVIRONMENTAL CENTER, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Percent: (b)(4) Subject To Funding: N Payment Address: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 10/01/2019 to 01/31/2022 All other terms and conditions remain unchanged.				

Section B - Supplies or Services/Prices was revised as follows.

B-2 Local Clauses EPA-B-16-102 ESTIMATED COST AND FIXED FEE

OPTION PERIOD 2

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Pursuant to clause 52.232-22/Limitation of Funds, incremental funding in the amount of (b)(4) is allotted to cover estimated cost. Funding in the amount of (b)(4) is provided to cover the corresponding increment of fixed fee. The amount allotted for costs is estimated to cover the contractor's performance through 12/30/2021.

(b) When the contract is fully funded as specified in clause EPA-B-16-102/ Estimated Cost and Fixed Fee, then clause 52.232-20/Limitation of Cost shall become applicable.

(c) Recapitulation of Funds

RECAPITULATION OF FUNDING TO DATE BY CONTRACT PERIOD
CONTRACT NO. EP-C-16-008
TASK ORDER NO. 68HERC19F0275

Option Period 2 - FROM 2/1/2021 through 1/31/2022

FUNDING ACTION	ESTIMATED COST	FIXED FEE	TOTAL COST PLUS FIXED FEE
P00006	(b)(4)	(b)(4)	$ 13,151.00
P00007			$ 150,481.00
P00008			$ 200,000.00
Total Funded			$ 363,632.00
Total Per Contract			$ 398,631.00
Balance Unfunded			$ 34,999.00

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE 1 OF PAGES 3

2. AMENDMENT/MODIFICATION NO. P00009

3. EFFECTIVE DATE See Block 16C

4. REQUISITION/PURCHASE REQ. NO. See Schedule

5. PROJECT NO. *(If applicable)*

6. ISSUED BY CODE CAD

CAD
US Environmental Protection Agency
26 West Martin Luther King Drive
Mail Code: W136
Cincinnati OH 45268-0001

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

8. NAME AND ADDRESS OF CONTRACTOR *(No., street, county, State and ZIP Code)*

GREAT LAKES ENVIRONMENTAL CENTER, INC.
Attn: William J Arnold
739 HASTINGS STREET
TRAVERSE CITY MI 496863458

CODE 800884181 FACILITY CODE

(x) 9A. AMENDMENT OF SOLICITATION NO.

9B. DATED *(SEE ITEM 11)*

x 10A. MODIFICATION OF CONTRACT/ORDER NO. EP-C-16-008
68HERC19F0275

10B. DATED *(SEE ITEM 13)* 09/19/2019

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)*
See Schedule (b)(4)

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).

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

X D. OTHER *(Specify type of modification and authority)*
Bilateral - FAR 52.232-22; Limitation of Funds

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.)*

DUNS Number: 800884181
The purpose of this modification is to deobligate funding in the amount of (b)(4) from Option Period 1, in accordance with the attached recapitulation sheets.
TOCOR: Brian Hasty Max Expire Date: 01/31/2022 InvoiceApprover: Brian Hasty Alt Invoice App: Hugh Sullivan
LIST OF CHANGES:
Reason for Modification: Funding Only Action

New Total Amount for this Version: (b)(4)
New Total Amount for this Award: (b)(4)
Obligated Amount for this Modification: (b)(4)
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)*
Sandra Stargardt-Licis

15B. CONTRACTOR/OFFEROR
(Signature of person authorized to sign)

15C. DATE SIGNED

16B. UNITED STATES OF AMERICA
ELECTRONIC SIGNATURE
(Signature of Contracting Officer)

16C. DATE SIGNED 05/03/2021

NAME OF OFFEROR OR CONTRACTOR
GREAT LAKES ENVIRONMENTAL CENTER, INC.

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	New Total Obligated Amount for this Award: (b)(4) Incremental Funded Amount changed: from (b)(4) CHANGES FOR LINE ITEM NUMBER: 2 Obligated Amount for this Modification: (b)(4) Incremental Funded Amount changed from $(b)(4) CHANGES FOR ACCOUNTING CODE: 19-E1-87FM-000B06XP1-2505-1987ME9027-004 Amount changed (b)(4) Payment: RTP Finance Center US Environmental Protection Agency RTP-Finance Center (AA216-01) 109 TW Alexander Drive www2.epa.gov/financial/contracts Durham NC 27711 Period of Performance: 10/01/2019 to 01/31/2022 All other terms and conditions remain unchanged.				

Section B - Supplies or Services/Prices was revised as follows.

B-2 Local Clauses EPA-B-16-102 ESTIMATED COST AND FIXED FEE

OPTION PERIOD 1

(a) Severable services may be incrementally funded. Non-severable services shall not be incrementally funded. Pursuant to clause 52.232-22/Limitation of Funds, incremental funding in the amount of (b)(4) is allotted to cover estimated cost. Funding in the amount of (b)(4) is provided to cover the corresponding increment of fixed fee. The amount allotted for costs is estimated to cover the contractor's performance through 1/31/2021.

(b) When the contract is fully funded as specified in clause EPA-B-16-102/ Estimated Cost and Fixed Fee, then clause 52.232-20/Limitation of Cost shall become applicable.

(c) Recapitulation of Funds

RECAPITULATION OF FUNDING TO DATE BY CONTRACT PERIOD
CONTRACT NO. EP-C-16-008
TASK ORDER NO. 68HERC19F0275

Option Period 1 - FROM 2/1/2020 through 1/31/2021

FUNDING ACTION	ESTIMATED COST	FIXED FEE	TOTAL COST PLUS FIXED FEE
Base	(b)(4)	(b)(4)	$ 2,910,219.71
P00003			$ -
P00004			$ 273,997.29
P00007			$ (150,481.00)
P00009			$ (396,784.29)
Total Funded			$ 2,636,951.71
Total Per Contract			$ 3,057,973.00
Balance Unfunded			$ 421,021.29