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|--|----------------------------------|---|---|-------------------------------|
| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | | 1. CONTRACT ID CODE J | PAGE OF PAGES 1 7 |
| 2. AMENDMENT/MODIFICATION NO. 0001 | 3. EFFECTIVE DATE 20-Feb-2004 | 4. REQUISITION/PURCHASE REQ. NO. WX3JR9-3328-0671 | | 5. PROJECT NO.(If applicable) |
| 6. ISSUED BY CONTRACTING DIVISION USAED, HONOLULU BLDG S230 FT. SHAFTER HI 96858-5440 | CODE W9128A | 7. ADMINISTERED BY (If other than item 6) See Item 6 | | |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code) | | X | 9A. AMENDMENT OF SOLICITATION NO. W9128A-04-T-0005 | |
| | | X | 9B. DATED (SEE ITEM 11) 18-Feb-2004 | |
| | | | 10A. MOD. OF CONTRACT/ORDER NO. | |
| | | | 10B. DATED (SEE ITEM 13) | |
| CODE | FACILITY CODE | | | |
| 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS | | | | |
| <input checked="" type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer <input checked="" type="checkbox"/> is extended, <input type="checkbox"/> is not extended. Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR 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 telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified. | | | | |
| 12. ACCOUNTING AND APPROPRIATION DATA (If required) | | | | |
| 13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14. | | | | |
| 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 date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B). | | | | |
| C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: | | | | |
| D. OTHER (Specify type of modification and authority) | | | | |
| E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input type="checkbox"/> 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.) ANALYSIS OF GROUNDWATER AND DRINKING WATER SAMPLES FOR TRIPLER ARMY MEDICAL CENTER LANDFILL, OAHU, HAWAII SEE CONINTUATION SHEET - Page 2 of 7 | | | | |
| 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) | | |
| | | TEL: _____ EMAIL: _____ | | |
| 15B. CONTRACTOR/OFFEROR _____ (Signature of person authorized to sign) | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA BY _____ (Signature of Contracting Officer) | 16C. DATE SIGNED 20-Feb-2004 | |

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

- A. This amendment hereby issues the revised Scope of Work entitled “Analysis of Groundwater and Drinking Water Samples for Tripler Army Medical Center Landfill, Oahu, Hawaii” dated February 20, 2004 and addresses requests for information that is provided in the following question and answer format.

Q1: In Table 1, the total metals is requested, but the specific elements required is not listed. Which metals are needed for the project?

A1: The scope of work revised February 20, 2004 includes this information. Please refer to the revised scope of work.

Q2: Do the monitoring wells currently have dedicated hoses and pumps or should the proposal include the effort for pump rental or bailers?

Will the Contractor be responsible for disposal of the purge water generated?

Will the Government provide an area to store drums for the purge water until it is disposed?

Also, is it possible to store the drums at this location throughout the year (so we don't have to supply new drums every quarter)?

May we view the Operation and Maintenance Plan?

A2: The Government is seeking laboratory testing services only. All fieldwork will be performed by the Government.

Q3: The Synopsis states that we should fax our quote. Is this the best, or only, way for us to send our proposal?

A4: No, facsimile transmission is not the only method to submit your quote. You may submit your quote by mail, hand delivery, or e-mail to the number and addresses listed below. Quotes must be received by the closing date and time in order to be considered.

Facsimile: (808)438-8588

Address: U.S. Army Engineer District, Honolulu
ATTN: CEPOH-CT-S (C. Wakumoto)
Building 200

Fort Shafter, Hawaii 96858-5440
E-mail: carrie.wakumoto@usace.army.mil

Q4: Do you require any information about our company or analytical subcontractors besides the completion of SF 1449 and the clauses?

A4: No, only the information requested under the Request For Quotation (to include the Standard Form 1449 and applicable clauses) is required. If your quote is received by the closing date and time and further information or clarification is needed, you will be contacted directly.

- B. The offer due date and time is extended to Friday, February 27, 2004, 2:00 p.m. Hawaiian Standard Time.

The following have been added by full text:

SCOPE OF WORK (REVISED)

SCOPE OF WORK

**Analysis of Groundwater and Drinking Water Samples
for
Tripler Army Medical Center Landfill
Oahu, Hawaii
February 17, 2004
Revised February 20, 2004**

1. Background and Purpose. The Tripler Army Medical Center Landfill (TAMCL) is located on the Moanalua Ridge of the Koolau Mountain Range. The landfill was capped in 2001 and an Operation and Maintenance (O&M) Plan developed as part of the State of Hawaii closure requirements. Four (4) groundwater monitoring wells were constructed and developed during the construction of the landfill cap. The purpose of this project is to conduct further monitoring of groundwater from the four (4) wells and two (2) nearby drinking water sources for chemicals identified in the O&M Plan over eight (8) fiscal year quarters (to include the current quarter). **The Government will collect all water samples and be responsible for transporting the samples. The Contractor shall be responsible for the laboratory analysis of the samples received in accordance with paragraph 3.3 and provide written laboratory results in accordance with paragraph 3.4 under the schedule provided in paragraph 4. The analyses must be performed in a Corps validated laboratory using U.S. Environmental Protection Agency procedures and methods.**

2. Major Work Tasks.

- 2.1. Coordinate with Environmental Technical Branch.
- 2.2. Provide Sampling Supplies and Arrange Shipment of Samples.
- 2.3. Perform Laboratory Analyses.
- 2.4. Provide Written Laboratory Results.

3. Detailed Work Tasks.

3.1. Coordinate with Environmental Technical Branch.

3.1.1. The Contractor shall coordinate with the Government Project Manager (PM) to provide pertinent project information relating to project specific requirements and analytical quality control procedures. The PM for this project is Mr. Mark Arakaki, (808) 438-6929. The Contractor shall retain all records of custody, analytical raw data, and final reports. These records shall be available for inspection by the Government during and subsequent to contract completion.

3.1.2. The Contractor shall designate a single point of contact to coordinate with the PM to ensure that sufficient amounts of sampling supplies are provided to the PM in a timely manner, so that the Government can meet the deadlines for fieldwork. The Contractor shall also ensure that arrangement for shipping of the samples is conducted properly to preclude any problems with holding times, shipping fees, or agricultural inspections.

3.1.3. The Contractor shall meet with the PM, if deemed necessary by the PM, to discuss shipping arrangements, laboratory results, or any other related matter that requires coordination or resolution.

3.1.4. The Contractor shall submit an Accident Prevention Program Administration Plan (POD Form 248-R (Rev) 1 Mar 95 and an Activity Hazard Analysis (POD Form 184-R (Rev) 22 Apr 91) to the U.S. Army Corps of Engineers Safety and Occupational Health Officer or Government Representative for review and acceptance. The Contractor shall not commence with work until these are accepted. The U.S. Army Corps of Engineers, "Safety and Health Requirements Manual," EM 385-1-1, which describes the required safety plans and forms may be found at the following website:

<http://www.hq.usace.army.mil/soh/em385/current/current38511.htm>

3.2. Provide Sampling and Shipping Supplies .

3.2.1. The Contractor shall provide but is not limited to all material and supplies for the sampling, such as, supply coolers, sampling containers, packing materials, and blue ice.

3.2.2 The Contractor shall provide chain-of-custody forms and proper shipping forms for overnight delivery.

3.2.3 Note: The Government will be responsible for shipping the packaged samples directly to the laboratory.

3.3. Perform Laboratory Analyses.

3.3.1. The Contractor shall perform the following analyses of the water samples in accordance with appropriate U.S. Environmental Protection Agency procedures and methods in a Corps-validated laboratory:

Table 1.

| Parameter | Matrix | Method | # of Samples |
|---|--------|-------------|--------------|
| Semivolatile Org Compounds | Water | 8270C | 7 |
| Organochlorine Pesticides | Water | 8081 | 7 |
| PCBs | Water | 8082 | 7 |
| Dioxins/Dibenzofurans | Water | 8290 | 7 |
| Total Metals | | 6010B/6020 | |
| (Sb,As,Ba,Be,Cd,Cr,Cu,Hg,Pb,Se,Tl) | Water | 7000 | 7 |

3.3.2. Reporting Limits. Although all analytes shall be reported under each method, there are required Practical Quantitation Limits (PQL) under this Scope of Work for certain analytes as listed in Table 2.

3.4. Provide Written Laboratory Results.

3.4.1 Data shall be reported by sample or by test and be submitted as one (1) hard copy and one (1) electronic copy to the PM. Pertinent information shall include, at a minimum, field sample identification, USACE sample identification, Contract Laboratory sample number, date sample collected, date sample received at the Laboratory, date sample extracted/prepared, date sample analyzed, extraction/preparation/cleanup/analysis procedures(s) used, laboratory preparation batch number(s), laboratory analytical batch number(s), dilution factors, all analytes tested for and their associated reporting limits, matrix, units, sample description, and preservation methods. Both the original and diluted results shall be reported for samples that are reanalyzed due to certain analytes that have exceeded calibration ranges. Results can be combined together on a single report sheet.

3.4.2 All of the associated method Quality Control (QC) information, even if this information was run on another clients sample, shall be reported. This information shall include method blanks, laboratory control samples, matrix duplicates, matrix spikes, matrix spike duplicates, surrogate spikes, and other method specific QC that may have been run. Spiking levels shall be clearly shown. This QC information must be specific to the batch that the field sample analysis was associated with. Batch numbers shall be clearly shown. Method specific QC information must be reported with all acceptance criteria clearly shown. All method QC must meet the acceptance requirements as stated in this contract. Any deviations from this acceptance criteria must be identified with appropriate corrective actions that have been conducted.

3.4.3 The Contractor shall submit as a separate item in their proposal, cost for a raw data package to be submitted in electronic (i.e. pdf) format and one (1) hard copy.

4. Schedule.

The Government plans to perform field sampling according to the following schedule. All analyses and reports shall be submitted to the PM quarterly according to the following schedule.

| Government Sampling Period | Deliverables Due |
|----------------------------|--------------------------------------|
| FY04 | |
| Quarter 2 | 15 working days after receipt by lab |
| Quarter 3 | 15 working days after receipt by lab |
| Quarter 4 | 15 working days after receipt by lab |

FY05

| | |
|-----------|--------------------------------------|
| Quarter 1 | 15 working days after receipt by lab |
| Quarter 2 | 15 working days after receipt by lab |
| Quarter 3 | 15 working days after receipt by lab |
| Quarter 4 | 15 working days after receipt by lab |

FY06

| | |
|-----------|--------------------------------------|
| Quarter 1 | 15 working days after receipt by lab |
|-----------|--------------------------------------|

FY = Fiscal Year

Quarter 1 = October through December

Quarter 2 = January through March

Quarter 3 = April through June

Quarter 4 = July through September

Table 2

| Semi-Volatiles | Required PQL (µg/L) |
|----------------------------------|----------------------------|
| Benzo(a)anthracene | 0.2 |
| Benzo(a)pyrene | 0.2 |
| Benzo(b)fluoranthene | 0.2 |
| Dibenzo(a,h)anthracene | 0.2 |
| Indeno(1,2,3-cd)pyrene | 0.2 |
| | |
| | |
| Organochlorine Pesticides | Required PQL (µg/L) |
| Chlordane | 0.2 |
| 2,4'-DDD | 0.1 |
| 4,4'-DDD | 0.1 |
| 2,4'-DDE | 0.1 |
| 4,4'-DDE | 0.1 |
| 2,4'-DDT | 0.1 |
| 4,4'-DDT | 0.1 |
| Dieldrin | 0.1 |
| Heptachlor | 0.2 |
| Heptachlor Epoxide | 0.1 |
| | |
| | |
| PCBs | Required PQL (µg/L) |
| Aroclor 1016 | 0.25 |
| Aroclor 1221 | 0.25 |
| Aroclor 1232 | 0.25 |
| Aroclor 1242 | 0.25 |
| Aroclor 1248 | 0.25 |
| Aroclor 1254 | 0.25 |
| Aroclor 1260 | 0.25 |

Table 2 (Continued)

| Dioxins/Dibenzofurans | Required PQL (µg/L) |
|------------------------------|----------------------------|
| 1,2,3,4,6,7,8-HpCDD | 0.0025 |
| Total HpCDD | 0.0025 |
| 1,2,3,4,6,7,8-HpCDF | 0.0025 |
| 1,2,3,4,7,8,9-HpCDF | 0.0025 |
| Total HpCDF | 0.0025 |
| 1,2,3,4,7,8-HxCDD | 0.0025 |
| 1,2,3,6,7,8-HxCDD | 0.0025 |
| 1,2,3,7,8,9-HxCDD | 0.0025 |
| Total HxCDD | 0.0025 |
| 1,2,3,4,7,8-HxCDF | 0.0025 |
| 1,2,3,6,7,8-HxCDF | 0.0025 |
| 2,3,4,6,7,8-HxCDF | 0.0025 |
| 1,2,3,7,8,9-HxCDF | 0.0025 |
| Total HxCDF | 0.0025 |
| OCDD | 0.005 |
| OCDF | 0.005 |
| | |
| | |
| | |
| Metals | Required PQL (µg/L) |
| Lead | 3 |

-- END OF SCOPE OF WORK --