

ORDER FOR SUPPLIES OR SERVICES

1. CONTRACT/PURCH. ORDER/ AGREEMENT NO. N62583-11-D-0515	2. DELIVERY ORDER/ CALL NO. KB01	3. DATE OF ORDER/CALL (YYYYMMDD) 2014 May 22	4. REQ./ PURCH. REQUEST NO. ACQR3824641	5. PRIORITY
--	--	---	---	-------------

6. ISSUED BY NAVFAC PACIFIC ENVIRONMENTAL CONTRACTS BR 258 MAKALAPA DR STE 100 JBP HH HI 96860-3134	CODE N62742	7. ADMINISTERED BY (if other than 6) CODE	SEE ITEM 6	8. DELIVERY FOB <input checked="" type="checkbox"/> DESTINATION <input type="checkbox"/> OTHER (See Schedule if other)
---	--------------------	---	-------------------	---

9. CONTRACTOR NAME BATTELLE MEMORIAL INSTITUTE AND ELIZABETH COMBS ADDRESS 505 KING AVENUE COLUMBUS OH 43201-2696	CODE 79986	FACILITY	10. DELIVER TO FOB POINT BY (Date) (YYYYMMDD) SEE SCHEDULE	11. MARK IF BUSINESS IS <input type="checkbox"/> SMALL <input type="checkbox"/> SMALL DISADVANTAGED <input type="checkbox"/> WOMEN-OWNED	12. DISCOUNT TERMS	13. MAIL INVOICES TO THE ADDRESS IN BLOCK See Item 7
---	-------------------	----------	---	---	--------------------	---

14. SHIP TO NAVFAC PACIFIC RICHARD R. KEENER ENVIRONMENTAL CONTRACTS BR 258 MAKALAPA DR STE 100 JBP HH HI 96860-3134	CODE N62742	15. PAYMENT WILL BE MADE BY CODE N68732 DEFENSE FINANCE AND ACCOUNTING SERVICE DFAS-CLEVELAND PACIFIC ACCOUNTS PAYABLE PO BOX 998023 CLEVELAND OH 44199	MARK ALL PACKAGES AND PAPERS WITH IDENTIFICATION NUMBERS IN BLOCKS 1 AND 2.
---	--------------------	---	--

16. TYPE OF ORDER	DELIVERY/ CALL	<input checked="" type="checkbox"/>	This delivery order/call is issued on another Government agency or in accordance with and subject to terms and conditions of above numbered contract.
	PURCHASE	<input type="checkbox"/>	Reference your quote dated Furnish the following on terms specified herein. REF:

ACCEPTANCE. THE CONTRACTOR HEREBY ACCEPTS THE OFFER REPRESENTED BY THE NUMBERED PURCHASE ORDER AS IT MAY PREVIOUSLY HAVE BEEN OR IS NOW MODIFIED, SUBJECT TO ALL OF THE TERMS AND CONDITIONS SET FORTH, AND AGREES TO PERFORM THE SAME.

Battelle Memorial Institute Digitally signed by LaDonna James
DN: cn=LaDonna James, o=Battelle Memorial Institute, ou=Contracts, email=jamesl@battelle.org, c=US
Date: 2014.05.23 15:11:42 -0400 **LaDonna F. James, Sr Contracts Officer 5/23/14**

NAME OF CONTRACTOR **LaDonna James Sr** TYPED NAME AND TITLE DATE SIGNED (YYYYMMDD)

If this box is marked, supplier must sign Acceptance and return the following number of copies: **1**

17. ACCOUNTING AND APPROPRIATION DATA/ LOCAL USE

See Schedule

18. ITEM NO.	19. SCHEDULE OF SUPPLIES/ SERVICES	20. QUANTITY ORDERED/ ACCEPTED*	21. UNIT	22. UNIT PRICE	23. AMOUNT
SEE SCHEDULE					

* If quantity accepted by the Government is same as quantity ordered, indicate by X. If different, enter actual quantity accepted below quantity ordered and encircle.	24. UNITED STATES OF AMERICA TEL: (808) 471-1166 EMAIL: HEWETT.ALICIA.L.1 BY: 231992860	25. TOTAL \$1,495,896.00
	Digitally signed by Alicia L. Hewett DN: cn=Alicia L. Hewett, o=NAVY, ou=NAVFAC PACIFIC, email=ALICIA.L.1@NAVFAC.PACIFIC.NAVY.MIL, c=US Date: 2014.05.23 13:03:11 -1000	26. DIFFERENCES

27a. QUANTITY IN COLUMN 20 HAS BEEN

INSPECTED RECEIVED ACCEPTED, AND CONFORMS TO THE CONTRACT EXCEPT AS NOTED

b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	c. DATE (YYYYMMDD)	d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
--	-----------------------	---

e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	28. SHIP NO.	29. DO VOUCHER NO.	30. INITIALS
--	--------------	--------------------	--------------

f. TELEPHONE NUMBER	g. E-MAIL ADDRESS	<input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	32. PAID BY	33. AMOUNT VERIFIED CORRECT FOR
---------------------	-------------------	--	-------------	---------------------------------

36. I certify this account is correct and proper for payment.

a. DATE (YYYYMMDD)	b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	<input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. CHECK NUMBER	35. BILL OF LADING NO.
-----------------------	--	---	------------------	------------------------

37. RECEIVED AT	38. RECEIVED BY	39. DATE RECEIVED (YYYYMMDD)	40. TOTAL CONTAINERS	41. S/R ACCOUNT NO.	42. S/R VOUCHER NO.
-----------------	-----------------	---------------------------------	----------------------	---------------------	---------------------

Section A - Solicitation/Contract Form

SECTION ABLOCK 17, ACCOUNTING AND APPROPRIATION DATA/LOCAL USE (CONTINUED)

AA	17	14181205	2549	0252	98240	0	068732	2D	680953	AA1D0515000P	\$	894,646.00
AB	17	14181205	2549	0252	98240	0	068732	2D	680953	AB1D0515000P	\$	<u>601,250.00</u>
												\$ 1,495,896.00

BLOCK 19 – SCHEDULE OF SUPPLIES/SERVICES (CONTINUED)

Task Order No. KB01 to Contract No. N62583-11-D-0515, Characterization, Modeling, and Pilot Study for Fuel Released at the Red Hill Bulk Fuel Storage Facility, Hawaii including the installation of four (4) Sentinel Wells.

1. This Contract Task Order (CTO) is issued to accept Battelle Memorial Institute's Revised Proposal No. OPP114883R dated 29 April 2014 in the amount of \$2,055,549.00.
2. The Contractor shall perform the services in accordance with the Performance Work Statement (Rev3) dated 17 April 2014 which is made a part of this contract.
3. This CTO funds Phases 1a and 1b only. The breakdown is follows:

Phase 1a (Task 1: Project Management and Meeting Support)

(Task 2: Pre-Construction Submittals)

(Task 3: Phase 1a Characterization)

\$828,422.00 (Cost) + \$66,224.00 (Fixed Fee) = \$894,646.00

Phase 1b (Task 4: Phase 1b Sentinel Monitoring Wells)

\$556,726.00 (Cost) + \$44,524.00 (Fixed Fee) = \$601,250.00

Total: \$1,385,148.00 (Cost) + \$110,748.00 (Fixed Fee) = \$1,495,896.00

4. Task 4 covers the installation of a total of four (4) sentinel wells. The Government will only be invoiced for the actual number of wells installed, if less than four.
5. The remaining phases/tasks will be funded when funds become available.
6. Wage Determination Number 2005-2153, Revision No. 17 dated 6/19/2013 applies.
7. The Contractor shall perform all work under the terms and conditions of the basic contract.
8. The CTO period of performance commences on the date of the CTO award through 31 July 2015.
9. Inspection and acceptance of the work to be performed shall be made by the Navy Technical Representative (NTR), Mr. Bruce Tsutsui, NAVFAC HI, (808) 471-1171 ext. 353, and /or Mr. Peter Nakamura, NAVFAC HI, (808) 471-1171 ext. 260.
10. This task order is subject to electronic invoicing using Wide Area Work Flow (WAWF) for the submission of all payment requests. Invoices for this task order shall be processed in accordance with the guidance provided in clause 252.232-7006 and is hereby incorporated in full text.

Section B - Supplies or Services and Prices

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
0004			Each		\$1,495,896.00
EXERCISED OPTION	THIRD OPTION PERIOD ESAT CPFF IGF::OT::IGF X072, CHARACTERIZATION, MODELING, AND PILOT STUDY FOR FUEL RELEASED AT THE RED HILL BULK FUEL STORAGE FACILITY, HAWAII. FOB: Destination PURCHASE REQUEST NUMBER: ACQR3824641				
				ESTIMATED COST	\$1,385,166.00
				FIXED FEE	\$110,730.00
				TOTAL EST COST + FEE	<hr/> \$1,495,896.00

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000401					\$0.00
	FUND ACRN AA				
	CPFF				
	Funding Doc. No.: SC06001401842 CUSTOMER ACRN AA				
	FOB: Destination				
	MILSTRIP: SC06001401842				
				ESTIMATED COST	\$0.00
				FIXED FEE	\$0.00
				TOTAL EST COST + FEE	\$0.00
	ACRN AA				\$894,646.00
	CIN: 00000000000000000000000000000000				

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
000402					\$0.00
	FUND ACRN AB				
	CPFF				
	Funding Doc. No.: SC06001401842 CUSTOMER ACRN AD				
	FOB: Destination				
	MILSTRIP: SC06001401842				
				ESTIMATED COST	\$0.00
				FIXED FEE	\$0.00
				TOTAL EST COST + FEE	\$0.00
	ACRN AB				\$601,250.00

CIN: 00000000000000000000000000000000

Section C - Descriptions and Specifications

STATEMENT OF WORK

April 17, 2014

PERFORMANCE WORK STATEMENT

**CHARACTERIZATION, MODELING, AND PILOT STUDY FOR FUEL RELEASED
AT THE RED HILL BULK FUEL STORAGE FACILITY, HAWAII**

SECTION 1 – INTRODUCTION

This Contract Task Order (CTO) shall conduct vadose zone and groundwater characterization and modeling, and perform a pilot study to evaluate the effectiveness of bioventing, soil vapor extraction, or other applicable technologies in treating or removing light non-aqueous phase liquid (LNAPL) contamination in basalt rock and groundwater surrounding Tank #5. All work shall be conducted in accordance with applicable Federal, State, and local laws, regulations, and policies including, but not limited to, the National Oil and Hazardous Substances Pollution Contingency Plan, Comprehensive Environmental Response, Compensation and Liability Act, Hawaii Revised Statutes 128D, and Hawaii Administrative Rules Sections 11-281 and 11-451.

SECTION 2 – BACKGROUND INFORMATION

The U.S. Navy Red Hill Bulk Fuel Storage Facility (RHFSF) is an operational facility that includes a total of 20 underground storage tanks (USTs) each with an approximate capacity of 12.5-million gallon (Mgal). The USTs were constructed within the Red Hill mountainside in the early 1940s along with a series of tunnels and pipelines which transmit fuel to and from Pearl Harbor Naval Base (Ogden 1996, Earth Tech 2000, Ogden 2002).

The USTs are located above the boundary of the Waimalu and Moanalua Aquifer Systems of the Pearl Harbor and Honolulu Aquifer Sector, respectively. Both aquifers are sources of potable

water for several public water supply systems, most notably the U.S. Navy Red Hill Pumping Station (designated 2254-01), located approximately 2,500 feet hydraulically down-gradient from the Facility. The pumping station 2254-01 is not a well but one end of a submerged 1,280 foot long infiltration gallery with the closest (easternmost) tunnel edge ending approximately 1,600 feet east of the lowest USTs (#1 and #2), as illustrated in Figure 1 (TEC 2007, 2010).

The RHFSF USTs were field constructed in-place in the mountain itself as vertical cylinders with domed tops and bottoms. Each tank is approximately 250 feet tall and 100 feet wide with walls consisting of steel plate encased in 2-4 feet of concrete. The bottoms of the USTs are located between 80 and 100 above the underlying water table as illustrated conceptually, along with the vertical configuration of the associated tunnels and the pumping station infiltration gallery in Figure 2. The substrate at and around the RHFSF is composed primarily of fractured basalt.

Over its history the RHFSF has been used to store diesel, Navy Special Fuel Oil (NSFO), Navy Distillate (ND), Jet Fuel (JP-5 and JP-8), F-76 (diesel marine fuel), and briefly, AVGAS and MOGAS between 1964 and 1969. Combined evidence from groundwater monitoring at several monitoring wells (RHMW01 through RH MW-05, illustrated on Figure 1) and operational records of the USTs indicate that there have been past releases of petroleum from the RHFSF USTs to the environment. However, monitoring of the wells and the Red Hill pumping station initiated in 2000 indicate the releases have not resulted in migration to the pumping station by fuel-related contaminants detected in the aquifer. A model using the State of Hawaii Department of Health Source Water Assessment Program modification of MODFLOW was done to evaluate groundwater behavior in and around the RHFSF and contaminant fate and transport analysis within the saturated zone was done using MODPATH and RT3D. However, to date no evaluation of potential vertical transport of product from the USTs through the unsaturated zone to the underlying basal aquifer has been conducted.

At the end of December 2013, Pearl Harbor Fuel Supply personnel initiated gradual filling of UST #5 with JP-8 as part of the process of bringing the UST back on line after refurbishment. In January 2014, Fuel Supply personnel reported discrepancies between the expected volumes of fuel loaded and the measured fuel levels within the UST, indicating a release had occurred. The estimated volume of product released is roughly 27,000 gallons. It is the Navy's intention to comply with Hawaii Department of Health (HDOH) release response requirements documented in letters from HDOH to the Navy dated 12 Feb 2014 and 26 February 2014 by initiating this contract.

SECTION 3 – SCOPE

This CTO will be awarded in separate phases with phases 1b, 2 and 3 being OPTIONAL. Phase 1a will include Project Management, Pre-Construction Submittals, and Field Work Phase 1 tasks; Phase 1b will include tasks associated with the installation monitoring wells outside of of

the Tank #5 area; Phase 2 will include the Field Work Phase 2 task; and Phase 3 will include the Field Work Phase 3 task.

- A. Provide Project Management and meeting support including the following:
1. Project startup activities, management and supervision of personnel, preparation and maintenance of project schedules, budgets and files, progress reports and billing, and overall coordination and support.
 2. Support during meetings with the regulatory agencies and the community. The Contractor shall prepare presentation materials seven (7) days before each meeting and meeting minutes within ten (10) calendar days after each meeting. Presentation materials and meeting minutes shall be submitted to the Remedial Project Manager (RPM).
 3. Site visit, allowing the opportunity for visual inspection and proposed well locations.
 4. Consideration of Navy's various environmental restoration policies and guidance documents that are publicly available on the Internet.

B. Prepare pre-construction submittals.

1. Work Plan. The Contractor shall prepare a Work Plan in draft and final versions in accordance with the Hawaii Department of Health UST Technical Guidance Manual for UST Closure and Release Response, 2nd Edition, 2000, Appendix 2-A. The Work Plan shall describe the site characterization and vertical migration modeling activities; and data quality objectives. The Work Plan shall include Sampling and Analysis Plan and Health and Safety Plan appendices. The Contractor shall prepare response to comments on draft submittals indicating how each Government/regulatory comment was addressed.
2. Project Sampling and Analysis Plan. The Contractor shall prepare a Sampling and Analysis Plan (SAP) in draft and final versions as an appendix to the Work Plan.

As required by *Department of Defense (DOD) Policy and Guidelines for Acquisitions Involving Environmental Sampling or Testing Services* (November 2007), laboratories performing analyses in support of this CTO must have an established and documented laboratory quality system that conforms to ISO/IEC 17025 as implemented by the *DOD Quality Systems Manual for Environmental Laboratories* (October 2010 or latest version). Laboratories providing services in support of this CTO must be accredited in accordance with the *DOD Environmental Laboratory Accreditation Program (DOD ELAP)*. Laboratories must also possess any required state certification and/or be accredited for each applicable test method, by a nationally recognized laboratory accreditation body (e.g. NELAP), compliant with ISO/IEC 17011:2004. The Contractor shall ensure the laboratory makes appropriate documentation available to NAVFAC Pacific's Quality Assurance Manager or Government Chemist. All laboratories are subject to on-site assessments by authorized representatives of the Department of Defense.

Laboratory reporting and data validation protocols shall follow both the latest *Project Procedures Manual* and the latest version of the *DOD Quality Systems Manual for*

Environmental Laboratories, where the two differ, the *DOD Quality Systems Manual for Environmental Laboratories* shall take precedent.

3. Health & Safety Plan (HSP). The Contractor shall prepare a HSP and Accident Prevention Plan (APP) in draft and final versions as an appendix to the Work Plan, which describe site-specific procedures to protect the health and ensure the safety of all workers, and subcontractors during fieldwork activities. The HSP and APP shall include, but are not limited to, worker protection clothing and equipment, drilling, well installation requirements, decontamination operations and staging area, and waste disposal requirements.

- C. Field work Phase 1a - Perform a site investigation to characterize the nature and extent of the free product plume around and beneath Tank #5 in soil and groundwater.
1. Install approximately 6 borings up to 110 feet below ground surface for the purpose of collecting soil and groundwater samples. Borings may be converted to monitoring wells, where appropriate, for monitoring or potential remediation. The Contractor shall implement preventive measures to prevent further spreading or transport of encountered contamination.
 2. Continuous coring will be performed to adequately map subsurface lithologies.
 3. Samples shall be analyzed for TPH-diesel, TPH-gasoline, TPH-residual range organics, BTEX, PAHs, and monitored natural attenuation parameters (groundwater).
 4. The Contractor shall prepare a Remedial Investigation report following the format described in the Hawaii Department of Health UST Technical Guidance Manual for UST Closure and Release Response, 2nd Edition, 2000. The report shall include a conceptual site model; summary of analytical data acquired during site characterization, testing, and sampling; a screening level risk evaluation in comparison to the most recent and applicable environmental action levels; and supporting figures, tables, and calculations.
- D. OPTIONAL: Field work Phase 1b – Install up to four (4) groundwater monitoring wells with specific number and specific installation locations in outlying areas from the RHFSF to be identified under a concurrent regional groundwater modeling and contaminant fate and transport study. These wells are separate from the previous Task C Fieldwork Phase 1a, and as an option will also require its own tasks and deliverables to meet the performance objectives and requirements outlined in table 6 of this SOW. Specific tasks are to include (but not be limited to) the following:
1. Field Planning and MW site preparation
 2. MW Installation Work Plan (WP), Sampling and Analysis Plan (SAP), and Health and Safety Plan. For the planning documents, contractor shall meet the data quality assurance requirements outlined in “pre-construction submittals” above and Section 6 “Performance Requirements” matrix below.
 3. Borings/MW Installation Fieldwork – Contractor shall conduct borings/corings for geologic characterization, and soil/rock and groundwater sampling. The

contractor shall assume that MWs will average up to approximately 150' deep. Contractor shall also assume the potential for subsurface occurrence of free product at the TBD locations and shall make provisions to case off borings/wells to prevent potential vertical transport of contaminants to groundwater. Contractor shall provide and install dedicated ground water sampling pumps that meet sampling specifications identified in refs: B, J, and L.

4. Soil/Rock and Groundwater Sampling - Samples shall be analyzed for TPH-diesel, TPH-gasoline, TPH-residual range organics, BTEX, PAHs, and general chemistry anions-cations. General chemistry parameters will be for the objective of evaluating any hydrogeologic relationship between groundwater that each well is installed in.
 5. Report – Contractor shall prepare a report documenting drilling, well installation, and groundwater sampling activities and present results of soil and groundwater sampling. For the reports, contractor shall meet the performance requirements outlined in Section 6 “Performance Requirements” matrix below.
- E. OPTIONAL: Field work Phase 2 - Perform modeling to determine the rate of vertical migration of free product through unsaturated zone fractured basalt around Tank #5.

The Contractor shall prepare a modeling report discussing the conceptual site model relevant to LNAPL transport through the unsaturated zone; numerical models developed; a prediction of LNAPL migration; and any uncertainties. The Contractor shall prepare response to comments on draft submittals indicating how each Government/regulatory comment was addressed.

- F. OPTIONAL: Field work Phase 3 - Perform a pilot study to evaluate the potential for using bioventing, soil vapor extraction, or other applicable technologies to treat the fuel-impacted basalt around Tank #5. Three vapor monitoring points exist beneath the tank and can be used during the pilot study. If free product is present in groundwater, the pilot study should also evaluate the feasibility of LNAPL removal.

Prior to the field effort, the Contractor shall prepare a Pilot Study Work Plan, SAP, and HSP/APP that describes the pilot study activities; data quality objectives; system design and evaluation parameters; operation and monitoring procedures; and procedures to determine the effective treatment radius.

The Contractor shall prepare a pilot study report describing the outcome of the pilot studies and the effectiveness of the technologies in treating the basalt rock and groundwater. The report shall include an evaluation of the data to estimate effective treatment radius and the feasibility of conducting full-scale removal, treatment, or remediation; results of the data analysis and interpretation; and supporting figures, tables, and calculations. The Contractor shall prepare response to comments on draft submittals indicating how each Government/regulatory comment was addressed.

SECTION 4 – NAVFAC INSTALLATION RESTORATION INFORMATION SOLUTION

All documents collected and prepared under this task order will be submitted to NAVFAC in compliance with the following CD-ROM requirements. CD-ROM REQUIREMENTS

- A. PDF files of final documents shall be provided in the following formats:
- 1) The entire document shall be provided as one pdf file. The pdf file shall have bookmarks for each item identified in the document's table of contents. The bookmark shall use the same description as provided in the table of contents. If the bookmark is lengthy, abbreviate as needed. Bookmark to the second level (i.e., 1.1, 1.2, 1.3, etc.). Do not bookmark signature page, list of acronyms, individual tables, photos, or figures.
 - 2) Each appendix, regardless of size, shall be provided as an individual pdf file.
 - 3) All maps, figures, and pictures shall be provided at a useable resolution. All color maps, figures, and pictures shall be provided in color PDF format.
- B. All files associated with the document shall be provided in native file format (e.g. Word, Access, CADD) on the RPM and Administrative Record CD copies.
- C. The CD jewel case cover (outside front) and CD label shall use the current approved layout and include:
- ... NAVFAC Hawaii logo
 - ... Contract Number
 - ... Contract Task Order Number
 - ... Report Title
 - ... Site
 - ... Location
 - ... Date Report finalized

Standard CD jewel cases shall be used. The jewel case spine shall identify the report title, site, and location. In the event multiple reports are requested on one CD, the jewel case cover (inside) shall include a list of all reports with the date and file name. The jewel case spine shall use "Various Reports" as the report title and also identify the site and location.

SECTION 5 – APPLICABLE DOCUMENTS

- A. *Guidance for Optimizing Remedy Evaluation, Selection, and Design*. Battelle Memorial Institute. April 2004.

- B. *Project Procedure Manual, U.S. Navy Environmental Restoration Program*. NAVFAC Pacific. February 2007.
- C. *Department of Defense (DOD) Policy and Guidelines for Acquisitions Involving Environmental Sampling or Testing Services*. November 2007.
<http://www.navylabs.navy.mil/>
- D. *United States Army Corps of Engineers Safety and Health Requirements Engineering Manual (EM) 385-1-1*, September 2008.
- E. *DOD Environmental Laboratory Accreditation Program (ELAP)*. Office of the Under Secretary of Defense Memorandum, December 2008. *DOD Quality Systems Manual for Environmental Laboratories*. October 2010. <http://www.navylabs.navy.mil/>
- F. *Phase I Remedial Investigation Report, Red Hill Oily Waste Disposal Facility, Fleet Industrial Supply Center*, Ogden Env Inc. January 1996.
- G. *Remedial Investigation Phase II, Red Hill Oily Waste Disposal Facility, Oahu, HI*, Earth Tech Inc., September 2000.
- H. *Red Hill Bulk Fuel Storage Facility Investigation Report*, Ogden Env Inc. August 2002.
- I. *Red Hill Bulk Fuel Storage Facility Final Technical Report*, TEC, Inc., August 2007.
- J. *Red Hill Bulk Fuel Storage Facility Final Groundwater Protection Plan*, TEC Inc, January 2008, revised December 2009.
- K. *Final Summary Report*, Red Hill, Pearl Harbor, HI, TEC, Inc., 31 August 2010.
- L. *Technical Guidance Manual for the Implementation of the Hawaii State Contingency Plan*, March 2013 or most current edition.
- M. Letter from State of Hawaii Department of Health, to Navy Region Hawaii dated 12 February 2014.
- N. Letter from State of Hawaii Department of Health, to Navy Region Hawaii dated 26 February 2014.

SECTION 6 – PERFORMANCE REQUIREMENTS

Performance Objective	Performance Standard	Acceptable Quality Level (AQL)	Assessment Method	Incentive	Remedy
Draft and Final Work Plans, SAP, HSP/ APP (technical content)	Document identifies technical specifications for the following features: <ul style="list-style-type: none"> • well/boring installation • material/equipment requirements • soil and groundwater sampling requirements • pilot study evaluation parameters • compliance with OSHA and NAVFAC safety procedures 	Preconstruction activities are described completely and supported with sound technical reasoning. If an improved approach is recommended, then the strategy should be technically achievable without additional cost.	COR, Navy RPM, Defense Logistics Agency (DLA), and Regulatory agency will review the data	Positive historical review for future procurements	Conduct review meeting to determine concurrence of Navy goals and objectives
Draft and Final Work Plans, SAP, HSP/ APP (presentation quality)	Document is organized, well written, and can be comprehended by the general community. Document reviewed by an editor. Document includes <ul style="list-style-type: none"> • site background • preconstruction activities • evaluation criteria • data quality objectives 	Factually accurate and complete with no more than 2 major deficiencies (e.g. missing information) and 5 minor deficiencies (e.g. spelling, format, wrong date).	COR, Navy RPM, DLA, and Regulatory agency will review the data	Positive historical review for future procurements	Conduct review meeting to determine concurrence of Navy goals and objectives
Draft and Final Remedial Investigation Report, Monitoring Well Installation Report, Modeling Report, and Pilot Study Report (technical content)	Document includes technical specifications and procedures containing the following features: <ul style="list-style-type: none"> • site characterization, testing, and sampling • radius of influence • vertical and lateral migration modeling 	Pilot study activities are described completely and supported with laboratory results. Conclusions and recommendations are supported with sound technical reasoning.	COR, Navy RPM, DLA, and Regulatory agency will review the data	Positive historical review for future procurements	Conduct review meeting to determine concurrence of Navy goals and objectives

Performance Objective	Performance Standard	Acceptable Quality Level (AQL)	Assessment Method	Incentive	Remedy
Draft and Final Remedial Investigation Report, Monitoring Well Installation Report, Modeling Report, and Pilot Study Report (presentation quality)	Document is organized, well written, and can be comprehended by the general community. Document reviewed by an editor and includes persuasive discussions. Document includes <ul style="list-style-type: none"> • background summary • analytical data • data analysis and interpretation • figures, tables, and calculations 	Factually accurate and complete with no more than 2 major deficiencies (e.g. missing information) and 5 minor deficiencies (e.g. spelling, format, wrong date).	COR, Navy RPM, DLA, and Regulatory agency will review the data	Positive historical review for future procurements	Conduct review meeting to determine concurrence of Navy goals and objectives.
Facilitate regulatory and community acceptance	A PowerPoint presentation is developed describing conclusions and supporting information shown in the above report. Presentation focus for audience of environmental regulators and/or general public, e.g., RABs.	Technology is presented in a logical manner such that the general public can comprehend concepts. Presentation yields concurrence among regulators and the general community.	Navy RPM will attend and assess the general response from the regulatory community and the general public.	Community and/or regulatory agency concur with designs will result in a positive review, which will greatly assist in future Navy procurement endeavors.	Presentation will need rework in those areas not displaying professionalism or complicated technical arguments/rationalizations

SECTION 7 - DELIVERABLES

- Draft and Final Characterization Work Plan, SAP, and HSP/APP (Hardcopy and electronic)
- Draft and Final Remedial Investigation Report (Hardcopy and electronic)
- Draft and Final Monitoring Well Installation Work Plan (Hardcopy and electronic)
- Draft and Final Monitoring Well Installation Report (Hardcopy and electronic)
- Draft and Final Modeling Report (Hardcopy and electronic)
- Draft and Final Pilot Study Work Plan, SAP, and HSP/APP (Hardcopy and electronic)
- Draft and Final Pilot Study Report (Hardcopy and electronic)
- Presentation materials (Electronic)
- Meeting minutes (Electronic)

SECTION 8 – PERIOD OF PERFORMANCE

The work shall begin upon contract award and shall be completed within 22 months. An additional two months will be allowed for project closeout.

SECTION 9 – POINTS OF CONTACT

Richard Keener, NAVFAC Pacific Contracting Officer
Phone 808-474-6476
Email: richard.keener@navy.mil

Alicia Hewett, NAVFAC Pacific Contract Specialist
Phone 808-471-1166
Email: Alicia.hewett@navy.mil

Bruce Tsutsui, NAVFAC HI Remedial Project Manager/COR
Phone 808-471-1171 ext. 353
FAX 808-471-1160
Email: bruce.tsutsui@navy.mil

Peter Nakamura, NAVFAC HI Alternate Remedial Project Manager/COR
Phone 808-471-1171 ext. 260
FAX 808-471-1160
Email: peter.nakamura@navy.mil

Section E - Inspection and Acceptance

INSPECTION AND ACCEPTANCE TERMS

Supplies/services will be inspected/accepted at:

CLIN	INSPECT AT	INSPECT BY	ACCEPT AT	ACCEPT BY
0004	N/A	N/A	N/A	Government
000401	N/A	N/A	N/A	Government
000402	N/A	N/A	N/A	Government

Section F - Deliveries or Performance

DELIVERY INFORMATION

CLIN	DELIVERY DATE	QUANTITY	SHIP TO ADDRESS	UIC
0004	31-JUL-2015		NAVFAC PACIFIC RICHARD R. KEENER ENVIRONMENTAL CONTRACTS BR 258 MAKALAPA DR STE 100 JBPHH HI 96860-3134 (808) 474-6476 FOB: Destination	N62742
000401	N/A	N/A	N/A	N/A
000402	N/A	N/A	N/A	N/A

Section G - Contract Administration Data

ACCOUNTING AND APPROPRIATION DATA

AA: 1741205 2549 252 98240 0 068732 2D 680953

COST CODE: AA1D0515000P

AMOUNT: \$894,646.00

CIN 00000000000000000000000000000000: \$894,646.00

AB: 1741205 2549 252 98240 0 068732 2D 680953

COST CODE: AB1D0515000P

AMOUNT: \$601,250.00

CIN 00000000000000000000000000000000: \$601,250.00

CLAUSES INCORPORATED BY REFERENCE

252.204-0001	Line Item Specific: Single Funding	SEP 2009
252.232-7003	Electronic Submission of Payment Requests and Receiving Reports	JUN 2012

CLAUSES INCORPORATED BY FULL TEXT

252.232-7006 WIDE AREA WORKFLOW PAYMENT INSTRUCTIONS (MAY 2013)

(a) Definitions. As used in this clause--

Department of Defense Activity Address Code (DoDAAC) is a six position code that uniquely identifies a unit, activity, or organization.

Document type means the type of payment request or receiving report available for creation in Wide Area WorkFlow (WAWF).

Local processing office (LPO) is the office responsible for payment certification when payment certification is done external to the entitlement system.

(b) Electronic invoicing. The WAWF system is the method to electronically process vendor payment requests and receiving reports, as authorized by DFARS 252.232-7003, Electronic Submission of Payment Requests and Receiving Reports.

(c) WAWF access. To access WAWF, the Contractor shall--

(1) Have a designated electronic business point of contact in the System for Award Management at <https://www.acquisition.gov>; and

(2) Be registered to use WAWF at <https://wawf.eb.mil/> following the step-by-step procedures for self-registration available at this Web site.

(d) WAWF training. The Contractor should follow the training instructions of the WAWF Web-Based Training Course and use the Practice Training Site before submitting payment requests through WAWF. Both can be accessed by selecting the "Web Based Training" link on the WAWF home page at <https://wawf.eb.mil/>.

(e) WAWF methods of document submission. Document submissions may be via Web entry, Electronic Data Interchange, or File Transfer Protocol.

(f) WAWF payment instructions. The Contractor must use the following information when submitting payment requests and receiving reports in WAWF for this contract/order:

(1) Document type. The Contractor shall use the following document type(s).

Cost Voucher

(2) Inspection/acceptance location. The Contractor shall select the following inspection/acceptance location(s) in WAWF, as specified by the contracting officer.

Acceptance: N62742/ACQ32

(3) Document routing. The Contractor shall use the information in the Routing Data Table below only to fill in applicable fields in WAWF when creating payment requests and receiving reports in the system.

Routing Data Table*

Field Name in WAWF	Data to be entered in WAWF
Pay Official DoDAAC	N68732
Issue By DoDAAC	N62742
Admin DoDAAC	N62742
Inspect By DoDAAC	NA
Ship To Code	NA
Ship From Code	NA
Mark For Code	NA
Service Approver (DoDAAC)	
Service Acceptor (DoDAAC)	N62742/ACQ32
Accept at Other DoDAAC	NA
LPO DoDAAC	N62742/ACQ32
DCAA Auditor DoDAAC	
Other DoDAAC(s)	

(4) Payment request and supporting documentation. The Contractor shall ensure a payment request includes appropriate contract line item and subline item descriptions of the work performed or supplies delivered, unit price/cost per unit, fee (if applicable), and all relevant back-up documentation, as defined in DFARS Appendix F, (e.g. timesheets) in support of each payment request.

(5) WAWF email notifications. The Contractor shall enter the email address identified below in the "Send Additional Email Notifications" field of WAWF once a document is submitted in the system.

richard.keener@navy.mil

alicia.hewett@navy.mil

bruce.tsutsui@navy.mil

peter.nakamura@navy.mil

(g) WAWF point of contact. (1) The Contractor may obtain clarification regarding invoicing in WAWF from the following contracting activity's WAWF point of contact.

Alicia Hewett, alicia.hewett@navy.mil

(2) For technical WAWF help, contact the WAWF helpdesk at 866-618-5988.

(End of clause)