

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	Page 1 of 6	
2. AMENDMENT/MODIFICATION NO. 0006	3. EFFECTIVE DATE 05/06/2011	4. REQUISITION/PURCHASE REQ. NO. See Funding Detail	5. PROJECT NO. (If applicable)			
6. ISSUED BY DOT/Maritime Administration, WR Acquisition Office of Acquisition, MRG-4200, 201 Mission Street, Suite 2200 San Francisco, CA 94105-1905		CODE 00094	7. ADMINISTERED BY (If other than Item 6)		CODE	
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and Zip Code) GARY FLOYD TETRA TECH, INC. 555 MARKET ST, 15TH FL SAN FRANCISCO, CA 94105-6154			9A. AMENDMENT OF SOLICITATION NO.			
			9B. DATED (SEE ITEM 11)			
			(X)	10A. MODIFICATION OF CONTRACT/ORDER NO. GS-10F-0268K / DTMA4F09001		
			(X)	10B. DATED (SEE ITEM 13) 12/18/2008		
CODE 2		FACILITY CODE				

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 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)

2011 - 70 - X4303 - COR - 7 - NDRF - 78 - MIS - 0000410 - 00 - 0 - - 6100 - 6600 - - \$15,400.00

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.
<input type="checkbox"/>	
<input type="checkbox"/>	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).
<input type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
<input checked="" type="checkbox"/>	D. OTHER (Specify type of modification and authority) Mutual Agreement 52.212-4 Terms and Conditions - Commercial Items

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.)

1. Modification 0006 is issued to increase funding to cover continued technical support needed per the attached Performance Work Statement and as summarized below:

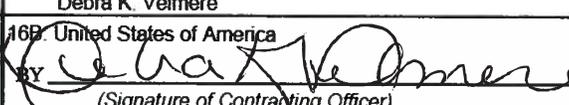
Task 1 Summary and Trend Analysis /NTE \$11,500.

Task 2 Develop SPCC /NTE \$3,900.

See attached Modification 0006 Performance Work Statement.

2. The Contract Total is increased from \$326,560.87 by \$15,400.00 to \$341,960.87 and the performance period is extended from 7/1/11 to 8/15/11.

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) Gary Floyd, Vice President	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Debra K. Velmere
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 5/9/11
16B. United States of America BY  (Signature of Contracting Officer)	16C. DATE SIGNED 5/9/2011

Line Item Summary	Document Number DTMA4F09001/0006	Title 4F09001 ENVIR CONSULT	Page 2 of 6
--------------------------	--	---------------------------------------	-----------------------

Total Funding: \$341,960.87

FYs	Fund	Budget Org	Sub	Object Class	Sub	Program	Cost Org	Sub	Proj/Job No.	Sub	Reporting Category
Division		Closed FYs		Cancelled Fund							

Line Item Number	Description	Delivery Date (Start date to End date)	Quantity	Unit of Issue	Unit Price	Total Cost
------------------	-------------	--	----------	---------------	------------	------------

SWPPP Additional Support PRSBRF09004 0006 EXT PP

0001	Environmental Consulting Services		0.00	NTE	\$15,400.00	\$15,400.00
------	-----------------------------------	--	------	-----	-------------	-------------

(07/01/2010 to 08/15/2011)

Change in Delivery Date, Extended Description, Performance Period, Unit Price

Modification 0006 is issued to increase funding to cover continued technical support needed per the attached Performance Work Statement and as summarized below:

Task 1 Summary and Trend Analysis /NTE \$11,500.

Task 2 Develop SPCC /NTE \$3,900.

The Contract Total is increased from \$326,560.87 by \$15,400.00 to \$341,960.87 and the performance period is extended from 7/1/11 to 8/15/11.

See attached Modification 0006 Performance Work Statement.

Ref Req No: PRSBRF09004

Previous Total: \$326,560.87
Modification Total: \$15,400.00
Grand Total: \$341,960.87
(Includes Discounts)

Distribution: Gary Floyd, Tetra Tech; Joe Pecoraro, Esther Harris, Brian Vogel, Susan Wong, Mary Huey, Lane Nemirow, Gene Magee

Contract Level Funding Summary	Document Number DTMA4F09001/0006	Title 4F09001 ENVIR CONSULT	Page 3 of 6
---	--	---------------------------------------	-----------------------

Funding Strip Code

2011 - 70 - X4303 - COR - 7 - NDRF - 78 - MIS - 0000410 - 00 - 0 - - - 6100 - 6600 - -

Change in Funded Amount

\$15,400.00

	Document No. DTMA4F09001/0006	Document Title 4F09001 ENVIR CONSULT	Page 4 of 6
--	---	--	-------------

TABLE OF CONTENTS

SECTION C -- Descriptions and Specifications	5
C.1 Modification 0006 Performance Work Statement	5

	Document No. DTMA4F09001/0006	Document Title 4F09001 ENVIR CONSULT	Page 5 of 6
--	---	--	-------------

SECTION C -- DESCRIPTIONS AND SPECIFICATIONS

C.1 MODIFICATION 0006 PERFORMANCE WORK STATEMENT

Modification 0006 to Contract No. GS-10F-0268K/DTMA4F09001

TASK 1: Contractor shall develop and provide a summary and trend analysis of all past analytical data related to exfoliating paint on the SBRF vessels. This will allow assimilation and consideration of additional storm water data from vessel storm water sampling.

1. Contractor shall assemble, summarize and trend the past analytical data related to the exfoliated paint from the vessels. Past analytical data to be summarized and reviewed includes:

- 1.1. Storm water sampling data since October 2009 to current. Contractor shall generate consolidated trend tables/charts from the 2009-2010 and 2010-2011 wet season;
- 1.2. Vessel paint chip sampling from 2007 and 2010. Contractor shall create a summary of the relevant paint chip data for the vessels that have had ongoing storm water samples;
- 1.3. MARAD SBRF dry sweeping paint disposal samples. Contractor shall collect data and summarize results;
- 1.4. Dry-dock/shipyard cleaning analytical data/land ban forms from vessels that have gone to dry-dock since October 2009. Contractor shall collect data and summarize results and,
- 1.5. Certified Coatings Co. analytical data from disposal of paint removed with hydro-blasting. Contractor shall collect data and summarize results

2. In addition to providing summaries of the aforementioned data, Contractor shall review and provide statistical analyses of the various water and paint solids data and summaries to consider the following:

- 2.1. How much of the analytical detections (e.g. pH, metals, total petroleum hydrocarbons) from vessel storm water samples are attributed to airborne deposition from offsite sources as opposed to exfoliating paint? What are the sources of offsite airborne deposition and the quantification of their specific parameter contribution to the vessel storm water runoff concentrations?
- 2.2. How effective are the various BMPs (i.e. hydro-blasting, dry sweeping, walnut/perlite wattles, metal screens, and sorbent boom) in reducing the concentrations of various parameters in the storm water runoff from the vessels? What are the lowest achievable concentrations for storm water runoff using the current BMPs?
- 2.3. How much of the metal concentrations in storm water runoff will be dissolved and hence not able to be prevented with the current BMPs/approaches?
- 2.4. Is the timing of certain BMPs (i.e. Vessels are dry swept every 90 days and hydro blasting is conducted once followed by dry sweeping every 90 days) effective in reducing pollutants in storm water runoff samples?
- 2.5. What recommendations are there for additional sampling and additional/revised BMPs?

3. Contractor shall provide a report that includes a discussion/presentation of the following:

- 3.1. Analytical summaries from paragraph 1 above.
- 3.2. Statistical review and consideration of:
 - 3.2.1. Off-site airborne sources to document what concentrations in the stormwater are caused by airborne deposition vs. the vessel paint,
 - 3.2.2. Effectiveness of BMPs in removing the paint,
- 3.3. Consideration of additional BMPs and/or sampling,
- 3.4. Any other recommendations for changes in approach to storm water compliance.

4. Contractor shall provide electronic copies of the supporting data files, spreadsheets, graphs, etc. used to prepare the report in an electronic format suitable for MARAD use. Microsoft applications are acceptable.

Cost for this task shall not exceed \$11,500.00 and shall be completed by 8/15/11.

TASK 2: Contractor shall develop an SPCC based on the US EPA Tier I Template and MARAD approved format combined with references to the SWPPP details/figures.

1. As part of the task to develop an SPCC, Contractor review existing information from the SWPPP development and recent and previous site visits to develop a SPCC in the format of a US EPA Tier I Template and layout (Contractor format to be approved by

	Document No. DTMA4F09001/0006	Document Title 4F09001 ENVIR CONSULT	Page 6 of 6
--	---	--	-------------

MARAD COTR), to ensure that all sections of SPCC are clearly addressed and presented. Contractor shall incorporate the following information into the SPCC:

- 1.1. Spill response equipment,
 - 1.2. Facility/container details,
 - 1.3. Facility procedures for the following: emergency response, cleanup and disposal, bulk transfers, and inspections,
 - 1.4. Maintenance and inspections.
2. Contractor shall submit the draft SPCC for review by MARAD COTR and SBRF personnel. Contractor shall receive and incorporate comments from MARAD and finalize the SPCC with final maps and text. Contractor shall provide 3 hardcopies of the SPCC along with electronic files of the SPCC to allow MARAD SBRF to complete their own future updates.

Cost for this task shall not exceed \$3,900.00 and shall be completed by 7/15/11.