

AWARD/CONTRACT	1. THIS CONTRACT IS A RATED ORDER UNDER DPAS. (15 CFR. 700)	RATING	PAGE OF PAGES
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2. CONTRACT (Proc. Inst. Ident.) NO. DTMA-91-R-2012-0006	3. EFFECTIVE DATE See Block 27C	4. REQUISITION/PURCHASE REQUEST/PROJECT NO.
5. ISSUED BY CODE 00091	6. ADMINISTERED BY (if other than item 5) CODE 00091	

U.S. DOT/ Maritime Administration Office of Acquisition MAR-380 1200 NEW JERSEY AVENUE SE MAIL STOP W-26-201 WASHINGTON DC 20590-0001	U.S. DOT/Maritime Administration Office of Acquisition MAR-380 1200 New Jersey Avenue, SE Mail Stop W-26-201 Washington DC 20590-0001
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7. NAME AND ADDRESS OF CONTRACTOR (No., Street, City, Country, State and ZIP Code) DREW MARINE USA INC Attn: Kevin Gilbert 100 S Jefferson Rd Ste 204 Whippany NJ 07981-1009	8. DELIVERY <input type="checkbox"/> FOB ORIGIN <input checked="" type="checkbox"/> OTHER (See below)
	9. DISCOUNT FOR PROMPT PAYMENT
	10. SUBMIT INVOICES (4 copies unless otherwise specified) TO THE ADDRESS SHOWN IN ITEM

CODE 881704429	FACILITY CODE
11. SHIP TO MARK FOR CODE 00091	12. PAYMENT WILL BE MADE BY CODE RMC-120 (US. MAIL)

U.S. DOT/Maritime Administration Office of Acquisition MAR-380 1200 New Jersey Avenue, SE MAIL STOP W-26-201 Washington DC 20590-0001	MARAD A/E INVOICES P.O. BOX 26710 OKLAHOMA CITY OK 73126
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13. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION: <input type="checkbox"/> 10 U.S.C. 2304 (c) <input type="checkbox"/> 41 U.S.C. 253 (c)	14. ACCOUNTING AND APPROPRIATION DATA X
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15A. ITEM NO	15B. SUPPLIES/SERVICES	15C. QUANTITY	15D. UNIT	15E. UNIT PRICE	15F. AMOUNT
Continued					
15G. TOTAL AMOUNT OF CONTRACT					\$0.00

(X)	SEC.	DESCRIPTION	PAGE(S)	(X)	SEC.	DESCRIPTION	PAGE(S)
PART I - THE SCHEDULE				PART II - CONTRACT CLAUSES			
X	A	SOLICITATION/CONTRACT FORM	1	X	I	CONTRACT CLAUSES	37-45
X	B	SUPPLIES OR SERVICES AND PRICES/COSTS	2- 13	PART III - LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACH.			
X	C	DESCRIPTION/SPECS./WORK STATEMENT	14 - 29	X	J	LIST OF ATTACHMENTS	46-54
X	D	PACKAGING AND MARKING	30	PART IV - REPRESENTATIONS AND INSTRUCTIONS			
X	E	INSPECTION AND ACCEPTANCE	31		K	REPRESENTATIONS, CERTIFICATIONS AND OTHER STATEMENTS OF OFFERORS	
X	F	DELIVERIES OR PERFORMANCE	32		L	INSTRS., CONDS., AND NOTICES TO OFFERORS	
X	G	CONTRACT ADMINISTRATION DATA	33-35		M	EVALUATION FACTORS FOR AWARD	
X	H	SPECIAL CONTRACT REQUIREMENTS	36				

CONTRACTING OFFICER WILL COMPLETE ITEM 17 (SEALED-BID OR NEGOTIATED PROCUREMENT) OR 18 (SEALED-BID PROCUREMENT) AS APPLICABLE

17. <input checked="" type="checkbox"/> CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract, (b) the solicitation, if any, and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)	18. <input type="checkbox"/> SEALED-BID AWARD (Contractor is not required to sign this document.) Your bid on Solicitation Number <u>DTMA-91-R-2012-0006</u> including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your bid, and (b) this award/contract. No further contractual document is necessary. (Block 18 should be checked only when awarding a sealed-bid contract.)
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19A. NAME AND TITLE OF SIGNER (Type or print) Steven Medved, Sales Manager North America	19B. NAME OF CONTRACTING OFFICER Benedict J. Buznowski
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19B. NAME OF CONTRACTOR BY <u>Steven Medved</u> (Signature of person authorized to sign)	19C. DATE SIGNED 11/14/2012	19D. UNITED STATES OF AMERICA BY <u>Benedict J. Buznowski</u> (Signature of the Contracting Officer)	19E. DATE SIGNED 11/15/12
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NAME OF OFFEROR OR CONTRACTOR
DREW MARINE USA INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>The Contractor shall provide the necessary support for implementation of a Fleet-wide, Shipboard Water Chemistry Treatment Program onboard oceangoing cargo vessels with marine steam, diesel or gas turbine propulsion systems, cooling water systems and evaporators or other fresh water generating equipment. Contractor shall provide all services, products, materials, resources and perform all management, administrative, supervisory, operational functions and field service surveys. This is to include program definition and startup; instruction manuals; log sheets and/or books; consultation services and computer (E-Commerce) internet web based tracking system development. FOB: Destination Period of Performance: 11/01/2012 to 10/31/2017</p>				
0001	<p>MARAD Fleetwide Water Chemistry Treatment Program(*note: Heading not bid item)- Provide technical materials, services, and products in support of test, no-notice activations, ROS and Pre-position maintenance support of vessels in the RRF as well as other vessels in which MARAD may have interest. Base year includes CLINs 0001 through 0006</p> <p>Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)</p>				0.00
0002	<p>Program Implementation- (*note: Heading not bid item) Establish and implement the provision of services and supplies in support of MARAD's fleet-wide shipboard water chemistry treatment program as described in Statement of Work (SOW) of the Contract. The program shall be operational no later than 30 days after the Contractor's Notice to Proceed. Include program definition and startup; instruction manuals (100 copies and DVD/CD-ROM disks); log books (100); consultation services and computer tracking system development.</p> <p>Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)</p>				0.00
0002AA	<p>Program Definition Development & Startup- Continued ...</p>				0.00

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NAME OF OFFEROR OR CONTRACTOR
DREW MARINE USA INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Provided in accordance with SOW RRF Chemical Treatment Program Requirements Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)				
0002AB	Log Books - Provide in accordance with SOW Shipboard Log Sheet. The Contractor shall provide 100 log book packages. These will be delivered 30 days after issue of task order. Included in the price for CLIN 002AA. Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)				0.00
0002AC	Instruction Manuals-Provided in accordance with SOW. Contractor shall, in addition to the individual Manual price, provide a Package unit of issue _____ as well as a package Unit price \$ _____ for ordering multiple Instruction Manuals Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)				0.00
0002AD	Consultation Services-Support of Program Implementation in accordance with SOW. Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	1	EA	640.00	0.00
0002AE	Computer Tracking System Development- In accordance with SOW Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	1	EA	4,600.00	0.00
0002AF	Offeror shall specify any other materials or services required to complete the program implementation. Each other item should be Continued ...				0.00

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NAME OF OFFEROR OR CONTRACTOR
DREW MARINE USA INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	numbered sequentially starting with 0002AF, following the format 0002XX, where XX can be replaced using alpha characters only. In addition, the contractor shall specify the unit of issue, unit price, package unit of issue (if applicable), package price (if applicable), and the estimated total quantity needed or estimated length of time needed for each other item proposed. Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)				
0003	Program Maintenance and Support Base Year(*note: Heading not bid item). Operate and maintain services and supplies in support of MARAD's fleet-wide shipboard water chemistry treatment program as described in Statement of Work (SOW) of the Contract. Provide Quarterly Computer Tracking System Updates, monthly reports and consultation services. Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)				0.00
0003AA	Computer Tracking System Update. Provide quarterly Computer Tracking System Update. Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	4	EA	2,100.00	0.00
0003AB	Provide Monthly Reports IAW SOW Monthly Reports Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	12	EA	1,300.00	0.00
0003AC	Quarterly Reports. Provide Quarterly reports in accordance with SOW. Delivery: 10/31/2013 Accounting Info: X Continued ...	4	EA	1,900.00	0.00

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NAME OF OFFEROR OR CONTRACTOR
DREW MARINE USA INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	\$0.00 (Subject to Availability of Funds)				
0003AD	<p>Consultation Services. Provide Consultation services to include as needed crew training requested. Such request shall be accomplished within 5 days of notification or as specified by the Contracting Officer.</p> <p>Delivery: 10/31/2013 Accounting Info: X</p>	1	EA	1,300.00	0.00
	\$0.00 (Subject to Availability of Funds)				
0003AE	<p>Offeror shall specify any other materials or services required to complete the program implementation. Each other item should be numbered sequentially starting with 0003AF, following the format 0003XX, where XX can be replaced using alpha characters only. In addition, the contractor shall specify the unit of issue, unit price, package unit of issue (if applicable), package price (if applicable), and the estimated total quantity needed or estimated length of time needed for each other item proposed.</p> <p>Delivery: 10/31/2013 Accounting Info: X</p>				0.00
	\$0.00 (Subject to Availability of Funds)				
0004	<p>Comprehensive Packages(*note: Heading not bid item). Provide comprehensive water chemistry treatments packages in accordance with the Statement of Work Section for the variety and types of vessels listed hereunder to accommodate 4 different Program Operating Scenarios S-1 through S-4 as defined in the Statement of Work Table C-1, Program Operating Scenarios.</p> <p>Delivery: 10/31/2013 Accounting Info: X</p>				0.00
	\$0.00 (Subject to Availability of Funds)				
0004AA	<p>Medium or High Speed Diesel Ships with Boilers.Comprehensive packages for the S-1 Scenario Reduced Operations Status (ROS)</p> <p>Continued ...</p>	4	EA	727.60	0.00

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NAME OF OFFEROR OR CONTRACTOR
DREW MARINE USA INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)				
0004AB	Medium or High Speed Diesel Ships with Boilers. Comprehensive packages for the S-2 Scenario Notice/ No-Notice Activation (NNA) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	2	EA	450.00	0.00
0004AC	Medium or High Speed Diesel Ships with Boilers. Comprehensive packages for the S-3 Scenario Operations Status (OPS) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	2	EA	450.00	0.00
0004AD	Medium or High Speed Diesel Ships with No Boilers Comprehensive packages for the S-1 Scenario Reduced Operations Status (ROS) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	4	EA	639.36	0.00
0004AE	Slow Speed Diesel Ships with no Boiler. Comprehensive packages for the S-2 Scenario Notice/ No-Notice Activation (NNA) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	2	EA	450.00	0.00
0004AF	Slow Speed Diesel Ships with no Boiler. Comprehensive packages for the S-3 Scenario Operations Status (OPS) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds) Continued ...	2	EA	450.00	0.00

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NAME OF OFFEROR OR CONTRACTOR

DREW MARINE USA INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0004AG	Steam 850-1200 PSIG. Comprehensive packages for the S-1 Scenario Reduced Operations Status (ROS) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	4	EA	727.60	0.00
0004AH	Steam 850-1200 PSIG. Comprehensive packages for the S-2 Scenario Notice/ No-Notice Activation (NNA) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	2	EA	450.00	0.00
0004AI	Steam 850-1200 PSIG. Comprehensive packages for the S-3 Scenario Operations Status (OPS) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	2	EA	450.00	0.00
0004AJ	Fast Sealift Ship. Comprehensive packages for the S-1 Scenario Reduced Operations Status (ROS) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	4	EA	823.72	0.00
0004AK	Fast Sealift Ship. Comprehensive packages for the S-2 Scenario:Notice / No-Notice Activation (NNA) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	2	EA	450.00	0.00
0004AL	Fast Sealift Ship. Comprehensive packages for the S-3 Scenario Operations Status (OPS) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	2	EA	450.00	0.00
0004AM	Steam 0-850 PSIG. Comprehensive packages for the Continued ...	4	EA	775.66	0.00

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NAME OF OFFEROR OR CONTRACTOR
DREW MARINE USA INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	S-1 Scenario Reduced Operations Status (ROS) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)				
0004AN	Steam 0-850 PSIG. Comprehensive packages for the S-2 Scenario: Notice / No-Notice Activation (NNA) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	2	EA	450.00	0.00
0004AO	Steam 0-850 PSIG. Comprehensive packages for the S-3 Scenario Operations Status (OPS) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	2	EA	450.00	0.00
0004AP	Limited Diesel Service Package. Comprehensive packages for the S-4 Scenario: Limited Diesel RRF Extended Lay-up Service Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	2	EA	828.72	0.00
0005	Technical Services(*note: Heading not bid item): Provide instruction manuals, log books, make field service calls within and outside of the continental US (CONUS) and provide laboratory test analysis services. Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)				0.00
0005AA	Instruction Manuals: Additional Copies Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds) Continued ...		EA	0.00	0.00

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DREW MARINE USA INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0005AB	Shipboard Chemical Treatment Logging System Software Licenses: Additional copies Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)				0.00
0005AC	Field Service Calls - CONUS: Field Service Calls - CONUS Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	1	EA	496.00	0.00
0005AD	Field Service Calls - CONUS - Additional Time: Extension of ongoing field service call in increments of 8 hours per calendar day Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	1	EA	450.00	0.00
0005AE	Field Service Calls - Outside CONUS: Field Service Calls - Outside CONUS Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	1	EA	496.00	0.00
0005AF	Field Service Calls - Outside CONUS - Additional Time: Extension of ongoing field service call in increments of 8 hours per calendar day Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)	1	EA	450.00	0.00
0005AG	Boiler Water Analysis (MBW): Laboratory and test analysis service of Boiler Water (MBW) Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds) Continued ...	1	EA	190.00	0.00

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DREW MARINE USA INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
0005AH	<p>Cooling Water Analysis (MCW): Laboratory and test analysis service of Cooling Water (MCW)</p> <p>Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)</p>	1	EA	234.00	0.00
0005AI	<p>High Purity Feed and/or Condensate Analysis (MHP): Laboratory and test analysis service of High purity feed and/or condensate analysis (MHP).</p> <p>Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)</p>	1	EA	85.60	0.00
0005AJ	<p>Boiler Deposit Sample Analysis (MPD): Laboratory and test analysis service of boiler deposit sample analysis (MPD).</p> <p>Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)</p>	1	EA	176.80	0.00
0005AK	<p>Cooling Deposit Sample (MCD): Laboratory and test analysis service of cooling deposit sample (MCD).</p> <p>Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)</p>	1	EA	176.80	0.00
0006	<p>Products(*note: Heading not bid item): Each product (s) deemed necessary by the contractor to satisfy the requirement of this project shall be provided. Each product per given category shall be numbered sequentially starting with 0006AA, following the format 0006XX, where XX can be replaced using alpha characters only. In addition, the contractor shall specify the unit of issue, unit price, package unit of issue (if applicable), package price (if applicable), and the estimated total quantity needed or estimated length of time needed for each other item proposed. When multiple size packages is available for a given product, the contractor shall list each</p> <p>Continued ...</p>				0.00

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NAME OF OFFEROR OR CONTRACTOR
DREW MARINE USA INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>size on a separate line. For product not available worldwide in all package size state the availability of that package size in a column titled availability. As an example, if you offer a product in a 25-liter package size and a 20-liter package size, yet the 20-liter package size is available in Japan only, state "JAPAN only" in the availability column for that package size. The proposed list of products shall be grouped into categories to include but not limited to Chemical Compounds, Test Kits, Reagents and Ampoules, Replacement and Spare Parts and another category deemed necessary. Each general category shall be clearly specified.</p> <p>Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)</p>				
0007	<p>Cumulative Estimated Price: Total of CLINs 0001 through 0005 (excludes CLIN0006)</p> <p>Delivery: 10/31/2013 Accounting Info: X \$0.00 (Subject to Availability of Funds)</p>	1	YR	61,088.33	0.00
1001	<p>MARAD Fleetwide Water Chemistry Treatment Program - Option Year One (11/01/2013 to 10/31/2014) Pricing for Scenarios S1, S2, S3, & S4 shall only be comprised of Field Service Visits; any products ordered shall be made through the 0006 Supplemental Products list for that year.</p> <p>MARAD Fleetwide Water Chemistry Treatment Program - Provide technical materials, services, and products in support of test, no-notice activations, ROS and Pre-position maintenance support of vessels in the RRF as well as other vessels in which MARAD may have interest. The total price of Option Year One represents the escalated total of CLINs 0001 to 0005 and 0007 are modified as follows: Note that certain CLINS are priced montly and during the base year it is less than 12 months. Therefore, in pricing this option year consider that the escalation applied to the monthly cost for the base year multiplied by 12 months will equal the years Continued ...</p>	1	YR	56,191.86	0.00

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NAME OF OFFEROR OR CONTRACTOR
DREW MARINE USA INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	<p>price. For option years 2 through 4 the escalation will be applied to the previous option year. Example Option year's 2 price will be option year's one price multiplied by the proposed escalation rate.</p> <p>Delivery: 10/31/2014 Accounting Info: X \$0.00 (Subject to Availability of Funds)</p>				
2001	<p>MARAD Fleetwide Water Chemistry Treatment Program - Option Year Two (11/01/2014 to 10/31/2015) Pricing for Scenarios S1,S2, S3, & S4 shall only be comprised of Field Service Visits; any products ordered shall be made through the 0006 Supplemental Products list for that year.</p> <p>MARAD Fleetwide Water Chemistry Treatment Program - Provide technical materials, services, and products in support of test, no-notice activations, ROS and Pre-position maintenance support of vessels in the RRF as well as other vessels in which MARAD may have interest. The total price of Option Year Two represents the modified total of CLIN 1001. All other subclin quantities remain the same.</p> <p>Delivery: 10/31/2015 Accounting Info: X \$0.00 (Subject to Availability of Funds)</p>	1	YR	57,877.61	0.00
3001	<p>MARAD Fleetwide Water Chemistry Treatment Program - Option Year Three (11/01/2015 to 10/31/2016) Pricing for Scenarios S1,S2, S3, & S4 shall only be comprised of Field Service Visits; any products ordered shall be made through the 0006 Supplemental Products list for that year.</p> <p>MARAD Fleetwide Water Chemistry Treatment Program - Provide technical materials, services, and products in support of test, no-notice activations, ROS and Pre-position maintenance support of vessels in the RRF as well as other vessels in which MARAD may have interest. The total price of Option Year Three represents the modified total of CLIN 2001. All other subclin quantities remain the same.</p> <p>Continued ...</p>	1	YR	59,613.94	0.00

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NAME OF OFFEROR OR CONTRACTOR
DREW MARINE USA INC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
4001	<p>Delivery: 10/31/2016 Accounting Info: X \$0.00 (Subject to Availability of Funds)</p> <p>MARAD Fleetwide Water Chemistry Treatment Program - Option Year Four (11/01/2016 to 10/01/2017) Pricing for Scenarios S1,S2, S3, & S4 shall only be comprised of Field Service Visits; any products ordered shall be made through the 0006 Supplemental Products list for that year. MARAD Fleetwide Water Chemistry Treatment Program - Provide technical materials, services, and products in support of test, no-notice activations, ROS and Pre-position maintenance support of vessels in the RRF as well as other vessels in which MARAD may have interest. The total price of Option Year Four represents the modified total of CLIN 3001. All other subclin quantities remain the same.</p> <p>Delivery: 10/31/2017 Accounting Info: X \$0.00 (Subject to Availability of Funds)</p> <p>This is an indefinite delivery, indefinite quantity contract. All CLIN's except CLIN 0002 from the base period may be ordered in the option years at the base unit price plus the applicable option year escalation factor.</p> <p>The total amount of award: \$362,502.50. The obligation for this award is shown in box 15G.</p>	1	YR	61,402.36	0.00

Section C Description and Specifications

C 1 Introduction and Background

The Maritime Administration (MARAD) requires services from a Contractor, who shall provide all services, products, materials, resources and perform all management, administrative, supervisory, operational functions and field service surveys for implementation of a Fleet-wide Shipboard Water Chemistry Treatment Program onboard oceangoing cargo vessels with marine steam, diesel or gas turbine propulsion systems, cooling water systems and evaporators or other fresh water generating equipment. The services sought are in conjunction with maintenance and operation of the MARAD Ready Reserve Force (RRF) vessels. The primary mission of the Ready Reserve Force (RRF) is to support the strategic sealift requirements of the Department of Defense. The Maritime Administration (MARAD) is the designated Program Manager for the RRF, a sub-set of the National Defense Reserve Fleet (NDRF).

C.2 RRF Program

MARAD's programmatic responsibilities for maintenance and operation are assigned to the Ship Operations and Maintenance Officers (SOMOs) in each MARAD Divisional office. These Divisional offices are in the following locations: Division of Atlantic Operations (DAO) - Norfolk, Virginia; Division of Gulf Operations (DGO) - New Orleans, Louisiana; and Division of Pacific Operations (DPO) - San Francisco, California. The SOMOs execute the management and operation of RRF vessels and other vessels operated by Ship Managers and/or General Agents who are under contract to MARAD and directly responsible for performing the program/phase technical requirements for their cognizant vessels. A listing of individuals with their name, title, phone and cell number will be provided within five (5) business days from the NTP.

The RRF Program in regard to this contract will focus on three (3) major phases:

- 1) Maintenance (retention),
- 2) Exercise (activation and lay-up), and
- 3) Operation

The RRF maintenance and repair program incorporates regularly scheduled maintenance activations to conduct dock and or sea trials. The frequency with which these activations occur is based on the assigned Readiness Status (R-STATUS) for each vessel. Some of these maintenance activations are done in conjunction with program "No-Notice" Test Activations. Others may be done as "Notice" Activations in support of a scheduled Military Exercise.

Listing of Current Ship Managers

The listing of current Ship's Managers are included in the below attachment's, publicly available on MARAD's website or may be obtained from the Contract's COR. (Section J Attachment 2)

C.3 RRF Vessels / Ships to be included

Vessels included are those that are assigned to the RRF/NDRF and any other vessel in which the Maritime Administration maintains an interest (i.e., training vessels, etc.). See list of vessels in the attachment "Ship's Characteristics".

Vessels in the RRF are of various designs and classes and of both U.S. and foreign construction. Vessels in the RRF are acquired from various sources; i.e., transfer from the U.S. Navy, upgrades from the National Defense Reserve Fleet (NDRF) or direct purchase from U.S. and foreign ship owners and operators. As of May 22, 2012, the RRF consists of forty-six (46) vessels.

C.3.1 Vessel Types

The mix of vessels (types and numbers) within the RRF is dictated by the Department of Defense. Currently, vessels in the RRF are of the following types:

- 1) Roll-On/Roll-Off Vehicle Carriers (RO/RO) (27)
- 2) Barge Carriers (SEABEE) (2)
- 3) Mission Specific Vessels (OPDS, T-ACS, T-AVB, etc.) (9)
- 4) Fast Sealift Ships (8)

There are eight (8) vessels which MARAD is responsible for but which are not part of the RRF and are not included in the 46 vessels mentioned above. Those are:

- 1) Six Maritime School Vessels
- 2) Two (2) Special Purpose Vessels

C.3.2 VESSEL CHARACTERISTICS

1. The vessel characteristics listing (attached) is divided into four (4) groups:
 - A. Steam and Turbine powered vessels (24)
 - B. Diesel Powered vessels (22)
 - C. Training vessels (6)
 - D. Special purpose vessels (2)

C.3.3 Vessel Propulsion Systems

There are forty-six (46) RRF vessels:

- One (1) is gas turbine propelled;
- Twenty-two (22) are diesel propelled, and
- Twenty-three (23) are steam turbine propelled.

Refer to the attached "Ship's Characteristics" for ship specific, propulsion information. All vessels are U.S. Coast Guard certified and are classed by the American Bureau of Shipping. All

vessels have emergency diesel generators, distillers/evaporators and various coolers (jacket water, lube oil, etc.).

C.3.4 Vessel Locations

RRF/NDRF vessels may be physically located at one (1) of three (3) MARAD - NDRF sites or berthed at one of several out-port locations throughout the East, Gulf or West Coasts of the U.S.

Generally speaking, vessels placed in Reduced Operating Status (ROS) with partial crews will be out ported. All others will be in laid-up status at the NDRF fleet sites. It is possible that a number of RRF vessels may be pre-positioned in the Far East, Middle East, Europe or elsewhere.

See attached Section J Attachment 1 "Ship's Characteristics" for a listing of current RRF vessels, types of propulsion systems, etc. This list of vessels is not all-inclusive and is subject to change throughout the life of the contract.

C.4 Maintenance (Retention) - Phase "M"

RRF vessels spend the majority of their time in Phase M or the Maintenance Phase, where MARAD, through its Ship Managers, maintains and prepares the vessels for potential missions. During this phase, the vessels are maintained in a state of readiness (R-STATUS) which will enable them to be activated and ready-for-sea (RFS). Readiness (R) - Status designations assigned to each ship can be found in the attached "Ship's Characteristics".

While in Phase M, routine inspections and scheduled/planned maintenance are performed. These inspections and maintenance procedures are performed on all vessels by MARAD / NDRF personnel, by the Ship Manager using contracted-for industrial assistance and the ROS crews. Routine inspections and maintenance are performed semi-annually, based on developed maintenance plans/schedules, during which selected machinery and systems may be energized and proven operational or jacked-over. The frequency with which these maintenance actions are completed is a function of the vessel's maintenance plan.

The following definitions apply when referring to the R-Status code:

1) **ROS5**: Ships with this designation will have a permanent **Reduced Operating Status (ROS)** crew onboard to carry out scheduled and unscheduled maintenance actions and become part of the sailing crew at the time of vessel activation. Vessels must activate within "5" days from notice. Some machinery systems are active or activated during the maintenance phase. Propulsion boilers are generally laid-up wet. Diesel engine cooling systems are generally charged and ready for operation.

2) **RRF10**: Ships with this designation are generally not out-ported, though this is subject to change. All of the out-ported non-ROS vessels as well as those in lay-up at the NDRF sites will be under extensive dehumidification; hull openings (sea valves) blanked over; boilers are under dry lay-up with heated air and dehumidification; and, major water piping systems are drained and opened to the dehumidified air in the engine spaces. These ships are usually located at the

Reserve Fleet sites and require towing to a berth or repair facility for industrial assistance access when activating the vessel. Vessels are required to complete activation including a 72 hours sea trial within "10" days of notice prior to vessel being "Ready for Sea" (RFS).

C.5 Phase "O" - Operation:

Phase "O" involves the operation of the vessel for a specific mission or exercise. The vessel is to be operated in accordance with standard commercial practice and the RRF Operations

Management Manual (TE-1). In Phase "O" the ship is normally under Military Sealift Command's (MSC) Operational Control (MSC OPCON).

C.5.1 Program Scenario Table

Table 1 Program Operating Scenarios lays out the various operating scenarios possible for RRF vessels.

Scenario Name (No.)	Description/Notes
<p>S-1 ROS Vessels PHASE "M" (Minimum of 90 day supply which includes a Notice/No Notice activation)</p>	<p>Assume the following: vessels are in partial lay-up condition with a ROS crew, outported at various locations in CONUS; ROS-5 vessels require dock trail every year and sea trail every other year; propulsion machinery is cyclically operated (dock trial) at intervals ranging from once per month for diesel ships to once every three (3) months for steam ships; and some vessels in ROS-5 status have a Notice or No-notice test activation at least once a year.</p>
<p>S-2 Notice / No-Notice Test / Full Activation (Minimum of 90 day supply which includes a Notice/No Notice activation)</p>	<p>Notice:</p> <ul style="list-style-type: none"> A. RRF10 (laid-up) - assume a yard period for activation of up to "10" days followed by a three (3) day sea trial followed by a deactivation period. B. ROS5 – assume ROS crew will activate vessel within "5" days at layberth, followed by a three (3) day sea trial followed by ROS crew deactivation. <p>No-Notice: - Assume activation within assigned R-Status, followed by a three (3) day sea trial followed by a deactivation period.</p> <p>NOTE: Operational period may be extended by 30 days or more in support of a Military Exercise.</p>
<p>S-3 Mission Activation / PHASE "O" (Minimum of 120 day supply)</p>	<p>Vessels are fully crewed and in full operational (Phase O) status. Vessels are anchored or steaming in international waters. Assume activation within assigned R-Status, followed by an operating period of up to one hundred and twenty (120) days for each vessel.</p>
<p>S-4 RRF Extended Lay-up Service</p>	<p>Service Package for RRF10 vessels that require support for their diesel engine coolant systems</p>

C.6 Program Implementation

The Contractor shall implement a vessel type specific comprehensive shipboard water chemistry treatment program as proposed including field services, material/equipment, technical materials, e-commerce system, and administrative support for all the vessels of interest to MARAD.

This program shall establish chemical treatment procedures, monitor and control chemical levels, and provide the necessary reagents for the operation of critical systems in accordance with the recommendations of the equipment manufacturers and acceptable commercial marine practices.

Chemical treatment procedures shall address all phases and activities which specifically include activation, operations, deactivation, preservation and lay-up, beginning with initial filling, light-off and dosing, and carrying through to shut down, draining and lay-up of equipment and systems. In addition provide sampling, testing, analysis and interpretation (causes and effects) and conditioning and treatment (corrective actions, chemical use and dosing) and removal of wastes including procedures for proper segregation, labeling and recommendation on best practices for disposal should a waste removal process be required or product return procedures for resalable product. Special procedures shall include but not limited to cleaning, acid cleaning, and de-scaling. Procedures associated with stowage, handling and disposal of chemical treatment compounds, chemicals, reagents and the neutralization and disposal of treated water shall be included.

The Contractor shall within thirty (30) days of the NTP make site visits to all vessels addressed within contract; and survey and document the water treatment program, and inventory all chemicals and testing materials currently on-site relevant to this contract. The Contractor shall within the next thirty (30) days after the site visits develop, publish and deliver a plan of action to the CO, COR, SOMOs, and POCs to address the necessary changes, if any, in treatment routine, material, and/or testing with a schedule for those changes on a Divisional by Divisional and vessel by vessel basis. The plan of action will also be delivered addressing removal and replacement of all contract relevant chemicals and reagents on-board all vessels in a coordinated and timely manner. This process shall take no longer than six (6) months from NTP. The plan of action will be reviewed, commented upon and, if appropriate, approved for activation by the POC for each vessel. Once approval is received, the Contractor will put into action all approved changes using the schedule provided within the plan of action.

C.6.1 The critical shipboard systems include:

- Potable Water, Sanitary Water testing and treatment;
- Propulsion Boiler Water, Feed Water, Condensate and associated Heat Exchange Systems;
- Auxiliary Boiler, Feed Water and Condensate systems (Fired and Waste Heat Boilers), and associated Heat Exchange System;
- Diesel Engine Cooling Water Systems;
- Fresh Water Generation of all types including steam, flash, waste heat, reverse osmosis, and vapor compression.

C.7 Program Service Scenarios and Associated Service Packages

C.7.1 Basic Scenario (S-1) Service Package (Maintenance) - Phase “M”

The Contractor shall provide all necessary chemical reagents in accordance with the vessel specific shipboard water chemistry treatment program.

C.7.1.1 Field Service Visits (FSV)

Field Service Visits (FSV) – Contractor shall provide quarterly (approximately every three (3) months) field service visits to all vessels listed in the RRF. The Contractor’s representative during that visit shall support the CE (or his/her designee) in the development and ordering of all supplies, materials, equipment and resources, necessary to support the testing, analysis and treatment of critical shipboard water systems on-board these vessels. Development of a preliminary comprehensive schedule for field service visits will be completed within the first thirty (30) days after Notice-to-Proceed (NTP).

C.7.1.2 Field Service Reports (FSR) - Each FSV requires the delivery of a field service report. This report will:

- Detail findings, inventories, status/condition of equipment, recommendations, equipment and material orders deemed necessary by inspector and Chief Engineer.
- FSR shall be transmitted electronically to the CE, Port Engineer (PE), Marine Surveyor, CO and COR (and Divisional POC (to conform with Table C-2 Program Authority Levels)) within five (5) working days after completion of site visit. These reports are an integral part of the invoicing/payment dynamic and the lack of a report with the associated service invoice or the lack of a signed receipt with the associated delivery invoice will result in the rejection of that invoice.

Functions that “will be” required during a service visit at no additional cost:

- Onboard review of logs and test results,
- Observation of testing by crew,
- Inventory of onboard test equipment, chemical reagents and treatment compounds,
- Support crew in ordering low or replacement supplies. On the first FSV of each contract year, the contract field representative shall assure that each vessel has a ninety (90) day supply of current (defined as well within the expiration date) supplies and materials recommended for that vessel. That all supplies and materials near or past expiration are set aside for replacement and replacements ordered. The supplies and materials that are near or past expiration shall be removed from the vessel at the next date of delivery;
- Observe water samples drawn from critical systems, if requested, take possession of said samples, deliver to laboratory, receive reports from laboratory, and deliver sample

analysis reports to MARAD within twenty four (24) hours of testing. If in the course of the contract, it is deemed necessary by the contractor to change the laboratory company currently in use, then it will be required that the contractor deliver to the COR and the CO the same information and data mentioned above for the proposed laboratory. MARAD reserves the right to reject the use of this proposed laboratory.

Functions that “may be” required during a service visit at no additional cost:

- Crew training,
- Crew familiarization with chemical handling, stowage and disposal safety procedures,
- Technical support during any phase including:
 - a) Initial light off & plant start-up,
 - b) Dock and/or prior to sea trial departure,
 - c) Ascertain feedwater quality,
 - d) Chemical cleaning,
 - e) Application of a wet lay-up.

C.7.1.3 Inspection schedule

The contractor’s preliminary field inspection schedule will be submitted for approval to the Divisional SOMO’s and the COR. Contractor’s representative shall inform and obtain agreement of time and date of said FSV from the vessel’s CE or designee of a planned FSV at least 48 hours ahead of that visit. This communication can be via phone, fax, or email chain. An email chain is preferred. If in the event of unforeseen circumstances that FSV cannot be supported by vessel personnel, then a subsequent replacement FSV shall be scheduled with the vessel’s CE or designee.

C.7.1.4 Replenishment of Supplies

The contractor shall replenish any chemical reagents and/or testing equipment consumed during the previous quarter to bring supply and equipment amounts back to the ninety (90) day S-1 level.

Material / Supplies onboard vessel in excess of standard ROS recommendation:

Pre-existing pre-Contract supplies

The successful Contractor shall after the first FSV and inventory do the following:

- Provide delivery of all necessary supplies after determining items required and in what amounts in the required time frame and before removal of old supplies;
- All existing pre-Contract supplies will be removed at successful Contractor’s expense. Supplies and materials are defined as those water treatment and testing specific materials and supplies which were left on board each vessel at the end of the last Contract.

- All compatible supplies shall be returned to the vessel once they have been determined as useful and are within one (1) year of expiration date.

Compatibility with existing dosed systems:

In regard to those systems onboard each vessel which are dosed with the past Contractor's supplies and materials, the successful Contractor is responsible to ascertain compatibility for all replacement supplies and material. If there is a compatibility problem determined by the successful Contractor, then notice should be given during the bid process with a cost by vessel of conversion.

Material and Supplies determined in excess during a Field-Service-Visit (FSV):

When in the course of a quarterly site visit it is determined that the quantities of reagents and/or equipment is in excess of the levels recommended for the typical S-1 Service package then the contractor shall remove any excess material and/or equipment and provide MARAD with a credit, less agreed upon restocking fee based upon the original purchase value for any product in resalable/returnable condition as determined by the contractor. Should it be determined that excess product requires disposal as determined by the contractor, the contractor will provide MARAD with a cost estimate prior to accepting the material for disposal.

Tests equipment/meters:

The testing equipment left on the vessel should be evaluated and determined functional by the successful Contractor. If there is a compatibility problem determined by the successful Contractor, then notice should be given during the bid process with an estimate by vessel as to the cost of conversion.

C.7.2 Test / Full Activation (S-2) Service Package (Notice and No Notice)

The Contractor shall within Forty-Eight (48) hours of notification of test activation provide a FSV and replenish to a ninety (90) day supply. The Contractor shall provide an FSR within five (5) working days from the FSV.

The Contractor shall within five (5) days of notification of de-activation provide a FSV and replenish to a ninety (90) day supply. The Contractor shall provide an FSR within five (5) working days from the FSV.

C.7.3 Mission Activation / PHASE "O" (S-3) Service Package

The Contractor shall within twenty-four (24) hours of notification of activation conduct a FSV and provide a one hundred twenty (120) day supply. The Contractor shall provide an FSR

within five (5) working days after the FSV.

The Contractor shall within five (5) days of notification of de-activation provide a FSV and reestablish a ninety (90) day supply. (Note: The reestablishment of the ninety (90) day supply may require the removal or addition of materials. If in the event that addition or removal of these materials is required then the contractor shall provide necessary materials or credit MARAD for the removed materials at the then current contract pricing.)

C.7.4 RRF Extended Lay-up (S-4) Service Package

This Service Package is to address the needs of vessels that are in RRF-10 status. These vessels are usually anchored at one of the MARAD Reserve Fleets and have no permanent crew. It is necessary to supply a FSV twice a year in coordination with the Marine Surveyor/COR of those vessels. The local MARAD Fleet Personnel board these vessels to complete a reduced maintenance program several times a year. The small and medium sized motors onboard are used to supply and maintain power to the various mechanisms and equipment on-board the vessel. It is necessary that these engines require monitoring and occasional consumption of products to maintain proper operation and cleanliness. In addition to the engine treatments, the service shall include an inspection of any other treated system including boilers, reserve feed water tanks, potable and sanitary water, and cooling circuits for auxiliary purposes like those used to cool the controlled dehumidification or air conditioning systems as applicable.

Service Package (SP) Special Instructions:

Once an agreed upon vessel type specific SP has been determined, then after award of Contract and visit by Contractor's representative, the SP will be delivered to the vessel(s). All existing water treatment supplies and testing fluids (and consumable testing equipment) will be removed at Contractor's expense. Contractor shall provide a complete replacement SP for that vessel after removal of existing supplies. All replacement supplies and materials will be clean and clearly marked with that item's expiration date where applicable.

C.8 Chemicals and Material/Equipment

- Any material and/or equipment not provided in conjunction with the water treatment contract supplemental listing may be purchased from the contractor's current commercial catalog. Access to the Contractor's current catalog via the web based E-Commerce system is MANDATORY and use of this system by authorized personnel after award will be highly encouraged.
- This contract is limited to the purchase and delivery of Water Treatment supplies, materials and testing equipment. Requests outside of this parameter should be addressed through the ship manager or the Divisional offices (POCs). The Contractor shall provide to the CO, COR, SOMOs, and POCs annually the new updated catalog and pricing as is supplied to the Contractor's commercial customers. In the event of changes to the catalog during a contract year, MARAD reserves the right to negotiate and/or refuse any and all

changes in scope, material and pricing.

- The Contractor must provide delivery of the ordered materials to commercial port in CONUS (Continental United States) within seventy-two (72) hours of receipt of that order. Orders placed for delivery OCONUS (Outside of CONUS) shall be delivered within one hundred twenty (120) hours. Under extraordinary conditions, MARAD reserves the right to negotiate expedited delivery outside these identified time frames.

C.9 Technical Materials

Within sixty (60) days after issuance of Task Order, the Contractor shall have prepared for MARAD review, comment and approval a Water Chemistry Treatment Manual/Instruction Book specific to each vessel-type. Contractor shall deliver the technical materials within thirty (30) days of receipt of approval. The Contractor shall arrange for delivery to the place/locations identified by MARAD.

C.10 Content of the Water Chemistry Treatment Manual

The manual shall cover all vessel specific procedures associated with sampling and testing, analysis and interpretation (causes and effects) and conditioning and treatment (corrective actions, chemical use and dosing) and removal of wastes.

Procedures shall address all phases and activities which specifically include activation, operations, deactivation, preservation and lay-up, beginning with initial filling, light - off and dosing, and carrying through to shut down, draining and lay-up of equipment and systems.

Special procedures shall include but not limited to cleaning, acid cleaning, and de-scaling. Procedures associated with stowage, handling and disposal of chemical treatment compounds, chemicals, reagents and the neutralization and disposal of treated water shall be included.

The manual shall contain narrative and, as required, pictorial representations for all sampling/testing procedures for each specific test. Chemical dosing charts shall be easily readable and necessitate only a minimum amount of interpretation. The manual shall include samples of all logs, record keeping sheets for the above systems.

The manual shall also contain the following:

- Contractor/Supplier Product Data Sheets
- Product Material Safety Data Sheets (MSDS)
- Service Call Request Procedures and List of Service Representatives, including phone numbers (office and cell), FAX and e-mail address (if available)

A copy of the technical manual, developed under the current contract, will be provided at contract award.

C.11 Format of the Water Chemistry Treatment Manual

The manual will consist of, both MARAD specific sections and standard commercial, water treatment sections. All sections shall be included in a common three-hole binder format. It is anticipated that MARAD specific requirements will be addressed in sections specifically developed for this contract. MARAD specific requirements shall be prepared in the format sited herein. This manual shall address all water treatment requirements of the equipment delineated in the Ship's Characteristics. It is intended that there be one all-inclusive manual(s) applicable to all ship/propulsion types and equipment covered by this contract.

The manual shall be of the standard three-ring binder type and separated into appropriate sections/chapters. This binder shall be oil resistant and heavy-duty to withstand the rigors of daily use in a ship's engine room.

In addition to the manual, a CD-ROM shall be delivered with each manual, placed in a clear, protective, sealable sleeve made for attachment within the manual binder. CD-ROM shall have a complete copy of the manual in PDF format, shall have title, contract name, number and date processed clearly visible on label, and each page of data/material shall have in its header the title contract name, contract number, and revision date.

Provide a technical manual to each vessel in the program as identified in the RRF Vessel Characteristics File. The manual shall include sections specific to the appropriate vessel type specific to each vessel program class. Contractor shall provide three (3) copies of each vessel type specific manual as directed. As vessels are added to the RRF, additional manuals, estimated at not to exceed ten (10) per year, may be required. The manual shall be updated and revised pages/CD-ROM disks issued to all manual holders, as required.

C.12 Change Record Sheet(s)

The Contractor shall provide their "Change Record Sheet" for MARAD's review and comment. These sheets, once approved, shall be provided to all individuals and groups that receive a manual. A completed change record sheet (hardcopy+ included on CD), documenting the change(s), should accompany the revised pages/CD-ROM as required.

C.13 Shipboard Log Sheet

The Contract shall provide a ship specific, customized shipboard chemical treatment logging system/ consisting of separate logs for each type of treatment system identified previously. The log format shall consist of a computer software or electronic format. Paper log books will not be acceptable. Each log shall have in its header the vessel name and be vessel type specific (medium speed diesel, low speed diesel, steam turbine and gas turbine) with pertinent details. Each log shall cover a one-month (31 day) time period.

The initial supply of shipboard logging software/spreadsheets shall be provided in electronic format, via CD-ROM. The system shall provide a format accessible to the Divisional offices as well as MARAD HQ and Ship Managers.

C.14 Changes to the Manual, Log Sheet, and/or Change Record Sheet(s)

In the event of a required change to all or part of the Manual, Log and/or Change Order Sheets during the course of the contract, the Contractor shall communicate proposed change to the CO and COR describing change, the need for the change, and the financial effect this change would cause. The Contractor will send out an updated hard copy of the effected document and its corresponding read only CD-ROM. The cover/label the effected document or CD-ROM shall include in its title and supporting data the following:

- Title (w/ revision number)
- Update date
- Date of the document being replaced

C.15 Training Materials and User Training

The Contractor will furnish, upon direction from the government, materials to facilitate user training in either a corporate environment or in the field. This material may consist of classroom syllabus and course books, example exercises, and multimedia designed to provide adequate training. The Contractor will furnish at least one designated trainer for the application, available for on-site visits. This training is considered supplemental to the standard training as provided during FSV (Field Service Visits) and is expected to be more detailed in scope and content. The trainer minimum qualifications are outlined below.

The trainer for this contract shall at a minimum, have a Bachelor of Science degree or Chief Engineer license as a Merchant Marine Officer and minimum 10 years' experience working with shipboard water chemistry.

The Contractor will provide a cost per contract year to provide the above mentioned training, in CONUS locations.

C.16 E-Commerce System – Internet Web Based, Computerized Data Tracking System

The Contractor shall use their web-based computerized ordering, tracking and reporting system to satisfy the requirements identified herein. This tracking system shall perform the following functions:

- There will be one number (invoice) given each request/order for services or supplies. This number will allow tracking from initial order through payment approval whether the order is made by the ship manager, Port Engineer, Captain, Chief Engineer or other authorized individual.

- Invoices for services will be allowed to be invoiced in a segmented fashion (quarterly, semi-annual, etc.). Those segmented invoices must show prior invoice numbers as a history of the chained billing.
- Every individual type service, product, and/or equipment that is possible to be ordered or requested either through the CLIN listings or product catalog shall be designated by a Contract Line Item Number (CLIN). This CLIN will be clearly shown on each invoice line item.
- Each order and subsequent form under an invoice number shall have the date of the order required date of delivery, place of delivery, the details of each product ordered by (CLIN), Product Description, package size, number of packages ordered, unit price, and total product line price.
- Track all reports issued by the Contractor by invoice number, date of report and date of ship visit. All product orders resulting from a service visit shall reference the service visit data and the invoice number.
- Track funding committed by each of the invoices issued, processed and approved. Invoice data fields shall include Contractor's Tax Identification Number (TIN), invoice number, invoice date, invoice amount, invoice status codes, MARAD approval authority, approval amount, approval action date, and approval remarks/comments. Invoice status codes shall be as follows: "Submitted," "Recommendation with Remarks", "Approved for Payment," "Approved for Partial Payment with Remarks," and "Rejected with Remarks." A "Remarks" section/area shall be made available and labeled as such immediately after the Invoice status code area with no limitations on size (the average size of remarks is usually less than one hundred (100) spaces in length). NOTE: It should be noted that the invoice shall be printable by the CO/COR in order to complete the final payment process for approved invoices.
- Track the receipt of shipboard chemical logs for review and exception reporting of noted deficiencies resulting from the log review.
- Track and update authorized users of the systems (Authorized Ordering Officials, Contract Personnel, Contracting Officer, Contract Officer's Representative (COR), Alternate COR (ACOR), authorized level of access, Company (or MARAD Office), voice phone number, FAX number, e-mail address, and mailing address. Security control of access to the database system shall be segregated into access by levels assigned to each authorized user.
- The Web based system shall be capable of electronically approving, rejecting, and/or commenting on each invoice by the Marine Surveyor, SOMO, COR, and/or CO. The invoice and this portion of the invoice or attached/sequenced web page to each invoice shall be developed and shown in the Evaluation/Proposal portion of the bid process. After award, it will be necessary to obtain approval of the CO/COR for use of this invoice and approval/rejection/comment document.

C.17 E-Commerce Data-base Back-Up Requirements

Contractor will maintain the database of all related documents at their facilities and provide a copy of the backed up material to COR via CD-ROM on a quarterly basis. The CD-ROM shall be clearly labeled as to the back-up date and source description. The Contractor shall perform

incremental and full weekly backups of all data files at the Contractor's facilities. On a quarterly basis, the program data files shall be updated through the transfer of data files via electronic media.

C.18 Reports

The following reports shall be incorporated into the Program Tracking System. Quarterly reports are to be received/made available on line no later than fifteen (15) Calendar days after the last day of the quarter reported upon. Each report shall be separate and independent of other reports for historical purposes.

Quarterly Engineering Analysis Report

On a quarterly basis, the Contractor shall prepare and transmit a Program Update Analysis Report for each vessel with an electronic copy to the POC, COR, and the ship management company for those vessels, the report shall provide the following information:

- Type, Quantity and Dates of Services Rendered
- Type, Quantity, Shipment and Receipt Dates for Products Furnished
- Names of Vessels - Monthly Logs Received
- Names of Vessels - Monthly Logs Not Received
- Type and Description of Significant/Repeated Deficiencies
- Invoices Received

Quarterly Financial Report

The Contractor shall prepare a Quarterly Financial Report containing the following information:

- Monthly summary for each month of the quarter being reported
- Program Implementation costs expended (CLIN 1 - Base Year ONLY!)
- Comprehensive Program costs expended (CLIN 2)
- Monthly/Quarterly Technical Services & Materials costs expended (CLIN 3)
- Yearly Program/Product Cost Increase (Years 2 through 5) (CLINs 4, 5 and 7)
- Product/Catalog Purchases (CLIN 6)
- Total number and value of orders/invoices submitted
- Total number and value of invoices received
- Total value of Contract to date
- Total value of invoices issued to date
- Difference between the two Items shown above: representing the balance available
- Total value of invoices issued to date
- The Percentage due = (Total Invoices to date divided by Total value of invoices to date) multiplied by 100.

Service Call Reports and Quarterly Engineering Analysis Report

An electronic copy of Service Call Reports and Quarterly Engineering Analysis Report shall be submitted to the CO and the COR. Additional electronic copies of the report shall be sent to the POCs, and SOMOs of each Divisional.

The following will be addressed in the service reports/backups:

- General Information
- Ship Manager/Vessel Name
- Technical Materials
- Invoice number
- Requestor (Ordering Organization)/Date ordered
- Type and Quantity
- Costs (additional shipping cost shall be billed separately)
- Technical Services
- Invoice number
- Requestor/Date ordered
- Type, Quantity, and dated services completed Costs (Fixed Fee Schedule plus Travel)
- Products
- Invoice number
- Catalog item number
- Requestor/Date ordered
- Type and Quantity
- Costs (Fixed Fee Schedule plus Shipping)

C.19 Contract Anniversary

If the Contract is renewed for the following year after award, then the Contractor's representative shall visit each vessel and support the vessel's crew in ordering the necessary supplies and or materials to bring the amount back up to recommended and agreed upon levels.

C.20 MARAD Authorized Requestors

The services and products to be provided by the Contractor may be issued upon request from authorized individuals as designated in writing by the Contract Officer.

The Contractor will be provided with a complete list of the names of the specific individuals authorized to request services and products within thirty (30) working days after contract award.

Table 2 Program Authority Levels provide the level of access and authority granted to each level of users.

Table 2 Program Authority Levels

Function	CO	COR /ACOR	Type Desk	Divisional Program Coord.	Marine Surveyor	Ship Manager	Port Engineer
Ordering	All Ships	All Ships	Assigned Ships	Ships in Divisional	Assigned Ships	Assigned Ships	Assigned Ships
Invoice Approval	Yes	Yes (recommendations)					
Quarterly Service Call Reports	All Ships	All Ships	Assigned Ships	Ships in Divisional	Assigned Ships	Assigned Ships	Assigned Ships
Quarterly Engineering Reports	All Ships	All Ships	Assigned Ships	Ships in Divisional	Assigned Ships	Assigned Ships	Assigned Ships
Quarterly Financial Reports	Yes	Yes					
After Action Reports	All Ships	All Ships	Assigned Ships	Ships in Divisional	Assigned Ships	Assigned Ships	Assigned Ships

SECTION D. Packaging and Marking

D.1 Preservation and Packaging

The Contractor shall ensure that the material to be furnished under this contract is packaged in a manner to ensure prompt, intact and safe delivery. As a minimum, this shall consist of the Contractor's standard commercial packaging.

D.2 MARKING REQUIREMENTS

Each package shall be marked with the appropriate delivery address, contract number; name and address of the Contractor, for return address purposes, on the outside of the packing container.

D.3 PACKAGING AND MARKING

All treatment chemicals provided in support of a notice or no-notice test activation shall be packaged in containers of a size to satisfy no more than 30-days of normal use/ requirements. All treatment chemicals, provided to vessels in ROS status or to those vessels expected to be placed in extended operation after activation that may be of a package /container size normally provided by the Contractor to commercial vessels. Packaging material of the loose fill polystyrene type is prohibited for shipboard use. All chemicals, compounds and reagents shall have a shelf life of not less than one hundred and eighty (180) days, upon delivery to the vessel. Packaging shall be of high quality and structural strength sufficient to withstand the rigors of shipboard handling and adverse conditions at sea.

All pressurized liquids/gases provided shall be in U.S. Department of Transportation (DOT) and U.S. Coast Guard (USCG) approved cylinders.

SECTION E. INSPECTION AND ACCEPTANCE

E.1 52.252-1 SOLICITATION PROVISIONS INCORPORATED BY REFERENCE

This contract incorporates one or more solicitation/contract provisions by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. The offeror is cautioned that the listed provisions may include blocks that must be completed by the offeror and submitted with its quotation or offer. In lieu of submitting the full text of those provisions, the offeror may identify the provision by paragraph identifier and provide the appropriate information with its quotation or offer. Also, the full text of a solicitation provision may be accessed electronically at this/these address(es):

<http://acquisition.gov/far/current/html/FARTOCP52.html>

(End of clause)

Clause	Title	Date
52.246-2	Inspection of Supplies--- Fixed Price	August 1996
52.246-4	Inspection of Services--- Fixed Price	August 1996

SECTION F DELIVERIES OR PERFORMANCE

F.1 PERIOD OF PERFORMANCE

The period of performance of this contract is twelve months for the base year period of performance from the date of Notice to Proceed with four one-year (12mos.) option periods for a total of five (5) years. The total period of performance of this contract if all options are exercised shall be sixty (60) months if all option year alternatives are awarded.

SECTION G. Contract Administration Data

G.1 DESIGNATION OF PROCURING CONTRACTING OFFICER

The Procuring Contracting Officer (PCO) of this contract is:

Department of Transportation
Maritime Administration, MAR-380
ATTN: Ben Burnowski
1200 New Jersey Avenue SE. W26-406
Washington, DC 20590

Email address: benedict.burnowski@dot.gov

Phone number: 202-366-1932

G.2 ACCOUNTING AND APPROPRIATION DATA

The appropriation data for this contract will be cited on task /delivery orders.

G.3 ADDRESS OF CORRESPONDENCE

All correspondence except as otherwise specified shall be directed to the Contracting Officer at the address given in paragraph G.1.

G.4 CONTRACTING OFFICER'S REPRESENTATIVE

a. The Contracting Officer's Representative (COR) is responsible for the technical aspects of the project and technical liaison with the Contractor. The COR is also responsible for the final inspection and acceptance of all reports, and such other responsibilities as may be specified in the contract.

b. The COR is not authorized to make any commitments or otherwise obligate the Government or authorize any changes which affect the contract price, terms or conditions. Any Contractor request for changes shall be referred to the Contracting Officer directly or through the COR. No such changes shall be made without the expressed prior authorization of the Contracting Officer. The COR may designate assistant COR(s) to act for him/her by naming such assistant in writing and transmitting a copy of such designation through the Contracting Officer to the Contractor.

c. The COR for this contract will be :

James Moore,
General Engineer (W25-222)
Division of Ship Maintenance and Repair
Office of Ship Operations (MAR-611)
U.S.D.O.T. Maritime Administration
1200 New Jersey Ave., SE
Washington, DC 20590
(202) 366-0254 Office
(202) 379-8128 Cell

d. The COR may be changed by the Government at any time, but notification of the change, including the name and address of the successor COR, will be promptly provided to the Contractor by the Contracting Officer in writing.

G.5 INVOICE REQUIREMENTS

a. After the property and service have been actually delivered or rendered. The Contractor will submit a properly certified invoice. Invoices shall be submitted to the Government office designated in this contract or on the delivery order to receive invoices. Supplemental billings will be indicated as such and will indicate the original invoice number with numerical suffixes in ascending order, e.g., 120, 120-1, 120-2, etc.

b. Form and content of invoice:

(1) A separate invoice must be submitted for each contract.

(2) Property or services for which payment is to be made must be itemized in the invoice.

(3) Invoices will be submitted in the format containing the information specified in the invoice format set forth in this clause. To constitute a proper invoice, the invoice must include the following information and/ or attached documentation:

(a) Name the business concern on 8 1/2" x 11" letterhead.

(b) Contract number or other authorization for delivery of property or services.

(c) Description, price, and quantity of property and services actually delivered or rendered.

(d) Shipping and payment terms.

(e) Name (where practicable), title, phone number, and complete mailing address of responsible official to whom payment is to be sent. If different, name, title and phone number of person certifying the invoice.

(f) Other substantiating documentation or information as required by the contract such as:

___ Invoice No. and date

___ Vessel Name

___ Contract Year

Per diem*

___ current billed period

___ no. of days (in current period)

___ per diem rate

___ per diem=no. of days x per diem rate

___ amount requested

Connect Service

___ Date of Service

___ Amount requested

Disconnect Service

___ Date of Service

___ Amount requested

Metered shore power

___ current billing period

___ reading metered by electric company with a copy of the electric company's bill

___ Total Amount Requested

*For per diem, billed periods are generally from the beginning through the end of the month.

It is not proper to submit an invoice prior to the completion of the performance period to which the invoice applies.

G.6 DESIGNATION OF THE ADMINISTRATIVE CONTRACTING OFFICER

The Administrative Contracting Officer (ACO), Funds Control Officer (FCO) and Contracting Officer's Representative (COR) are identified below:

Administrative Contracting Officer / Funds Control Officer's / Contracting Officer Representative

(ACO)

Wilbur W. Turner Sr.

(FCO)

Jennifer Fallis

(COR)

James Moore

MARAD Headquarters

Washington, DC

Address:

DOT/ Maritime Administration

1200 New Jersey Ave SE

Washington, DC 20590

SECTION H. SPECIAL CONTRACT REQUIREMENTS

H.1 Special Instructions

Products

Products proposed for the treatment of scale prevention in evaporators shall not be volatile and must be certified safe for use by U.S. Bureau of Medicine and the National Sanitation Foundation (NSF).

Products proposed for use in the treatment of diesel engine cooling jacket water should be safe for use with evaporators or distillers that use the cooling water as a heat source to produce distilled water for human consumption.

Corrosion inhibiting compounds shall contain NO chromates and be compatible with ethylene glycol.

The test kits and reagents shall be suitable for testing the sample parameters within the range of limits that is expected to be the control range of the parameters for the equipment or systems. Cabinets shall be lockable, heavy-duty marine type and suitable for bulkhead mounting.

Following the test activation of an RRF vessel (not in ROS), the Contractor shall remove from the vessel all compounds, chemicals and reagents as well as any equipment that was provided on a temporary use basis. The Contractor shall agree to accept for return (credit) any compounds, chemical and reagents in unopened, unused and transportable packing.

The Contractor shall be responsible for the proper disposal of all chemicals, compounds and reagents that cannot be accepted by the Contractor, for return credit. Disposal shall be in accordance with all applicable Federal and state regulations and laws.

At the time the post activation sea trials are completed and the boilers are taken out-of-service, the Contractor shall also prepare an inventory of all materials (glassware, unused consumables, etc.) in the water chemical treatment test cabinet and intended to remain on-board the vessel. One copy of the inventory shall be given to the Ship Manager's port engineer or MARAD marine surveyor and one copy shall be placed in an envelope and locked in the test cabinet.

Section I Contract Clauses

I.1 52.252-2 Clauses Incorporated by Reference

CLAUSES INCORPORATED BY REFERENCE (FEB 1998)

This contract incorporates one or more clauses by reference, with the same force and effect as if they were given in full text. Upon request, the Contracting Officer will make their full text available. Also, the full text of a clause may be accessed electronically at this/these address(es): <http://acquisition.gov/far/current/html/FARTOCP52.html>

(End of clause)

Clause	Title	Date
52.212-4	Contract Terms and Conditions—Commercial Items	FEB 2012

I.2 52.212-5 Contract Terms and Conditions Required to Implement Statutes or Executive Orders— Commercial Items

CONTRACT TERMS AND CONDITIONS REQUIRED TO IMPLEMENT STATUTES OR EXECUTIVE ORDERS— COMMERCIAL ITEMS (AUG 2012)

(a) The Contractor shall comply with the following Federal Acquisition Regulation (FAR) clauses, which are incorporated in this contract by reference, to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

(1) 52.222-50, Combating Trafficking in Persons (FEB 2009) (22 U.S.C. 7104(g)). ___ Alternate I (AUG 2007) of 52.222-50 (22 U.S.C. 7104(g)).

(2) 52.233-3, Protest After Award (AUG 1996) (31 U.S.C. 3553).

(3) 52.233-4, Applicable Law for Breach of Contract Claim (OCT 2004) (Pub. L. 108-77, 108-78).

(b) The Contractor shall comply with the FAR clauses in this paragraph (b) that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

[Contracting Officer check as appropriate.]

(1) 52.203-6, Restrictions on Subcontractor Sales to the Government (SEPT 2006), with Alternate I (OCT 1995) (41 U.S.C. 253g and 10 U.S.C. 2402).

(2) 52.203-13, Contractor Code of Business Ethics and Conduct (APR 2010) (Pub.L. 110-252, Title VI, Chapter 1 (41 U.S.C. 251 note)).

(3) 52.203-15, Whistleblower Protections under the American Recovery and Reinvestment Act of 2009 (JUNE 2010) (Section 1553 of Pub. L. 111-5). (Applies to contracts funded by the American Recovery and Reinvestment Act of 2009.)

(4) 52.204-10, Reporting Executive Compensation and First-Tier Subcontract Awards (AUG 2012) (Pub. L. 109-282) (31 U.S.C. 6101 note).

(5) 52.204-11, American Recovery and Reinvestment Act—Reporting Requirements (JUL 2010) (Pub. L. 111-5).

(6) 52.209-6, Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment. (DEC 2010) (31 U.S.C. 6101 note).

(7) 52.209-9, Updates of Publicly Available Information Regarding Responsibility Matters (FEB 2012)(41 U.S.C. 2313).

(8) 52.209-10, Prohibition on Contracting with Inverted Domestic Corporations (MAY 2012) (section 738 of Division C of Pub. L. 112-74, section 740 of Division C of Pub. L. 111-117, section 743 of Division D of Pub. L. 111-8, and section 745 of Division D of Pub. L. 110-161).

(9) 52.219-3, Notice of HUBZone Set-Aside or Sole-Source Award (NOV 2011) (15 U.S.C. 657a).

(10) 52.219-4, Notice of Price Evaluation Preference for HUBZone Small Business Concerns (JAN 2011) (if the offeror elects to waive the preference, it shall so indicate in its offer) (15 U.S.C. 657a).

(11) [Reserved]

(12)(i) 52.219-6, Notice of Total Small Business Set-Aside (NOV 2011) (15 U.S.C. 644).

(ii) Alternate I (NOV 2011).

(iii) Alternate II (NOV 2011).

(13)(i) 52.219-7, Notice of Partial Small Business Set-Aside (JUNE 2003) (15 U.S.C. 644).

(ii) Alternate I (OCT 1995) of 52.219-7.

(iii) Alternate II (MAR 2004) of 52.219-7.

(14) 52.219-8, Utilization of Small Business Concerns (JAN 2011) (15 U.S.C. 637(d)(2) and 3)).

(15)(i) 52.219-9, Small Business Subcontracting Plan (JAN 2011) (15 U.S.C. 637(d)(4)).

(ii) Alternate I (OCT 2001) of 52.219-9.

(iii) Alternate II (OCT 2001) of 52.219-9.

(iv) Alternate III (JUL 2010) of 52.219-9.

(16) 52.219-13, Notice of Set-Aside of Orders (NOV 2011)(15 U.S.C. 644(r)).

(17) 52.219-14, Limitations on Subcontracting (NOV 2011) (15 U.S.C. 637(a)(14)).

- (18) 52.219-16, Liquidated Damages—Subcontracting Plan (JAN 1999) (15 U.S.C. 637(d)(4)(F)(i)).
- (19)(i) 52.219-23, Notice of Price Evaluation Adjustment for Small Disadvantaged Business Concerns (OCT 2008) (10 U.S.C. 2323) (if the offeror elects to waive the adjustment, it shall so indicate in its offer).
- (ii) Alternate I (JUNE 2003) of 52.219-23.
- (20) 52.219-25, Small Disadvantaged Business Participation Program—Disadvantaged Status and Reporting (DEC 2010) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).
- (21) 52.219-26, Small Disadvantaged Business Participation Program— Incentive Subcontracting (OCT 2000) (Pub. L. 103-355, section 7102, and 10 U.S.C. 2323).
- (22) 52.219-27, Notice of Service-Disabled Veteran-Owned Small Business Set-Aside (NOV 2011) (15 U.S.C. 657 f).
- (23) 52.219-28, Post Award Small Business Program Rerepresentation (APR 2012) (15 U.S.C. 632(a)(2)).
- (24) 52.219-29, Notice of Set-Aside for Economically Disadvantaged Women-Owned Small Business (EDWOSB) Concerns (APR 2012) (15 U.S.C. 637(m)).
- (25) 52.219-30, Notice of Set-Aside for Women-Owned Small Business (WOSB) Concerns Eligible Under the WOSB Program (APR 2012) (15 U.S.C. 637(m)).
- (26) 52.222-3, Convict Labor (JUNE 2003) (E.O. 11755).
- (27) 52.222-19, Child Labor—Cooperation with Authorities and Remedies (MAR 2012) (E.O. 13126).
- (28) 52.222-21, Prohibition of Segregated Facilities (FEB 1999).
- (29) 52.222-26, Equal Opportunity (MAR 2007) (E.O. 11246).
- (30) 52.222-35, Equal Opportunity for Veterans (SEP 2010)(38 U.S.C. 4212).
- (31) 52.222-36, Affirmative Action for Workers with Disabilities (OCT 2010) (29 U.S.C. 793).
- (32) 52.222-37, Employment Reports on Veterans (SEP 2010) (38 U.S.C. 4212).
- (33) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (DEC 2010) (E.O.13496).
- (34) 52.222-54, Employment Eligibility Verification (JUL 2012). (Executive Order 12989). (Not applicable to the acquisition of commercially available off-the-shelf items or certain other types of commercial items as prescribed in 22.1803.)
- (35)(i) 52.223-9, Estimate of Percentage of Recovered Material Content for EPA–Designated Items (MAY 2008) (42 U.S.C. 6962(c)(3)(A)(ii)). (Not applicable to the acquisition of commercially available off-the-shelf items.)
- (ii) Alternate I (MAY 2008) of 52.223-9 (42 U.S.C. 6962(i)(2)(C)). (Not applicable to the acquisition of commercially available off-the-shelf items.)
- (36) 52.223-15, Energy Efficiency in Energy-Consuming Products (DEC 2007) (42 U.S.C. 8259b).
- (37)(i) 52.223-16, IEEE 1680 Standard for the Environmental Assessment of Personal Computer Products (DEC 2007) (E.O. 13423).
- (ii) Alternate I (DEC 2007) of 52.223-16.
- (38) 52.223-18, Encouraging Contractor Policies to Ban Text Messaging While Driving (AUG 2011) (E.O.13513).
- (39) 52.225-1, Buy American Act—Supplies (FEB 2009) (41 U.S.C. 10a-10d).

(40)(i) 52.225-3, Buy American Act—Free Trade Agreements—Israeli Trade Act (MAY 2012) (41 U.S.C. chapter 83, 19 U.S.C. 3301 note, 19 U.S.C. 2112 note, 19 U.S.C. 3805 note, 19 U.S.C. 4001 note, Pub. L. 103-182, 108-77, 108-78, 108-286, 108-302, 109-53, 109-169, 109-283, 110-138, 112-41, and 112-42).

(ii) Alternate I (MAR 2012) of 52.225-3.

(iii) Alternate II (MAR 2012) of 52.225-3.

(iv) Alternate III (MAR 2012) of 52.225-3.

(41) 52.225-5, Trade Agreements (MAY 2012) (19 U.S.C. 2501, *et seq.*, 19 U.S.C. 3301 note).

(42) 52.225-13, Restrictions on Certain Foreign Purchases (JUNE 2008) (E.O.'s, proclamations, and statutes administered by the Office of Foreign Assets Control of the Department of the Treasury).

(43) 52.226-4, Notice of Disaster or Emergency Area Set-Aside (NOV 2007) (42 U.S.C. 5150).

(44) 52.226-5, Restrictions on Subcontracting Outside Disaster or Emergency Area (NOV 2007) (42 U.S.C. 5150).

(45) 52.232-29, Terms for Financing of Purchases of Commercial Items (FEB 2002) (41 U.S.C. 255(f), 10 U.S.C. 2307(f)).

(46) 52.232-30, Installment Payments for Commercial Items (OCT 1995) (41 U.S.C. 255(f), 10 U.S.C. 2307(f)).

(47) 52.232-33, Payment by Electronic Funds Transfer—Central Contractor Registration (OCT 2003) (31 U.S.C. 3332).

(48) 52.232-34, Payment by Electronic Funds Transfer—Other than Central Contractor Registration (MAY 1999) (31 U.S.C. 3332).

(49) 52.232-36, Payment by Third Party (FEB 2010) (31 U.S.C. 3332).

(50) 52.239-1, Privacy or Security Safeguards (AUG 1996) (5 U.S.C. 552a).

(51)(i) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (FEB 2006) (46 U.S.C. Appx. 1241(b) and 10 U.S.C. 2631).

(ii) Alternate I (Apr 2003) of 52.247-64.

(c) The Contractor shall comply with the FAR clauses in this paragraph (c), applicable to commercial services, that the Contracting Officer has indicated as being incorporated in this contract by reference to implement provisions of law or Executive orders applicable to acquisitions of commercial items:

[Contracting Officer check as appropriate.]

(1) 52.222-41, Service Contract Act of 1965 (Nov 2007) (41 U.S.C. 351, *et seq.*).

(2) 52.222-42, Statement of Equivalent Rates for Federal Hires (MAY 1989) (29 U.S.C. 206 and 41 U.S.C. 351, *et seq.*).

(3) 52.222-43, Fair Labor Standards Act and Service Contract Act—Price Adjustment (Multiple Year and Option Contracts) (SEP 2009) (29 U.S.C. 206 and 41 U.S.C. 351, *et seq.*).

(4) 52.222-44, Fair Labor Standards Act and Service Contract Act—Price Adjustment (SEP 2009) (29 U.S.C. 206 and 41 U.S.C. 351, *et seq.*).

(5) 52.222-51, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment—Requirements (NOV 2007) (41 351, *et seq.*).

___ (6) 52.222-53, Exemption from Application of the Service Contract Act to Contracts for Certain Services—Requirements (FEB 2009) (41 U.S.C. 351, *et seq.*).

___ (7) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations (MAR 2009) (Pub. L. 110-247).

___ (8) 52.237-11, Accepting and Dispensing of \$1 Coin (SEPT 2008) (31 U.S.C. 5112(p)(1))

(d) *Comptroller General Examination of Record*. The Contractor shall comply with the provisions of this paragraph (d) if this contract was awarded using other than sealed bid, is in excess of the simplified acquisition threshold, and does not contain the clause at 52.215-2, Audit and Records—Negotiation.

(1) The Comptroller General of the United States, or an authorized representative of the Comptroller General, shall have access to and right to examine any of the Contractor's directly pertinent records involving transactions related to this contract.

(2) The Contractor shall make available at its offices at all reasonable times the records, materials, and other evidence for examination, audit, or reproduction, until 3 years after final payment under this contract or for any shorter period specified in FAR Subpart 4.7, Contractor Records Retention, of the other clauses of this contract. If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for 3 years after any resulting final termination settlement. Records relating to appeals under the disputes clause or to litigation or the settlement of claims arising under or relating to this contract shall be made available until such appeals, litigation, or claims are finally resolved.

(3) As used in this clause, records include books, documents, accounting procedures and practices, and other data, regardless of type and regardless of form. This does not require the Contractor to create or maintain any record that the Contractor does not maintain in the ordinary course of business or pursuant to a provision of law

(e)(1) Notwithstanding the requirements of the clauses in paragraphs (a), (b), (c), and (d) of this clause, the Contractor is not required to flow down any FAR clause, other than those in this paragraph (e)(1) in a subcontract for commercial items. Unless otherwise indicated below, the extent of the flow down shall be as required by the clause—

(i) 52.203-13, Contractor Code of Business Ethics and Conduct (APR 2010) (Pub. L. 110-252, Title VI, Chapter 1 (41 U.S.C. 251 note)).

(ii) 52.219-8, Utilization of Small Business Concerns (DEC 2010) (15 U.S.C. 637(d)(2) and (3)), in all subcontracts that offer further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$650,000 (\$1.5 million for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.

(iii) [Reserved]

(iv) 52.222-26, Equal Opportunity (MAR 2007) (E.O. 11246).

(v) 52.222-35, Equal Opportunity for Veterans (SEP 2010) (38 U.S.C. 4212).

(vi) 52.222-36, Affirmative Action for Workers with Disabilities (OCT 2010) (29 U.S.C. 793).

(vii) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (DEC 2010) (E.O.13496). Flow down required in accordance with paragraph (f) of FAR clause 52.222-40.

(viii) 52.222-41, Service Contract Act of 1965 (NOV 2007) (41 U.S.C. 351, *et seq.*).

(ix) 52.222-50, Combating Trafficking in Persons (FEB 2009) (22 U.S.C. 7104(g)).

____ Alternate I (AUG 2007) of 52.222-50 (22 U.S.C. 7104(g)).

(x) 52.222-51, Exemption from Application of the Service Contract Act to Contracts for Maintenance, Calibration, or Repair of Certain Equipment-Requirements (NOV 2007) (41 U.S.C. 351, *et seq.*).

(xi) 52.222-53, Exemption from Application of the Service Contract Act to Contracts for Certain Services-Requirements (FEB 2009) (41 U.S.C. 351, *et seq.*).

(xii) 52.222-54, Employment Eligibility Verification (JUL 2012).

(xiii) 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations (MAR 2009) (Pub. L. 110-247).

Flow down required in accordance with paragraph (e) of FAR clause 52.226-6.

(xiv) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (FEB 2006) (46 U.S.C. Appx. 1241(b) and 10 U.S.C. 2631). Flow down required in accordance with paragraph (d) of FAR clause 52.247-64.

(2) While not required, the contractor may include in its subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.

(End of clause)

I.3 52.216-18 Ordering

ORDERING (OCT 1995)

(a) Any supplies and services to be furnished under this contract shall be ordered by issuance of delivery orders or task orders by the individuals or activities designated in the Schedule. Such orders may be issued from Contract Start Date through Contract Expiration Date.

(b) All delivery orders or task orders are subject to the terms and conditions of this contract. In the event of conflict between a delivery order or task order and this contract, the contract shall control.

(c) If mailed, a delivery order or task order is considered "issued" when the Government deposits the order in the mail. Orders may be issued orally, by facsimile, or by electronic commerce methods only if authorized in the Schedule.

(End of clause)

I.4 52.216-19 Order Limitations

ORDER LIMITATIONS (OCT 1995)

(a) *Minimum order.* When the Government requires supplies or services covered by this contract in an amount of less than \$1.00 to \$100.00, the Government is not obligated to purchase, nor is the Contractor obligated to furnish, those supplies or services under the contract.

(b) *Maximum order.*

- (1) The maximum dollar value for each vessel for each year will not exceed \$100,000;
- (2) The maximum dollar value through the life of the contract is \$4 Million

(c) If this is a requirements contract (*i.e.*, includes the Requirements clause at subsection 52.216-21 of the Federal Acquisition Regulation (FAR)), the Government is not required to order a part of any one requirement from the Contractor if that requirement exceeds the maximum-order limitations in paragraph (b) of this section.

(d) Notwithstanding paragraphs (b) and (c) of this section, the Contractor shall honor any order exceeding the maximum order limitations in paragraph (b), unless that order (or orders) is returned to the ordering office within 7 days after issuance, with written notice stating the Contractor's intent not to ship the item (or items) called for and the reasons. Upon receiving this notice, the Government may acquire the supplies or services from another source.

(e) Designated Ordering Officials shall be limited to their authority as specified by the Contracting Officer.

(f) If the contractor believes that any order is excessive, the contractor shall seek resolution from either that Ordering Official, the Contracting Officer's Representative, or the Contracting Officer.

(g) The Government is not obliged to order any specific minimum or maximum services from any CLIN or combination of CLIN's. The quantities of supplies or services specified in Section B are estimates only and are not purchased by the proposed contract.

(End of clause)

I.5 52.217-9 Option to Extend the Term of the Contract

OPTION TO EXTEND THE TERM OF THE CONTRACT (MAR 2000)

(a) The Government may extend the term of this contract by written notice to the Contractor within 1 day of the expiration of the contract ; provided that the Government gives the Contractor a preliminary written notice of its intent to extend at least 30 days before the contract expires. The preliminary notice does not commit the Government to an extension.

(b) If the Government exercises this option, the extended contract shall be considered to include this option clause.

(c) The total duration of this contract, including the exercise of any options under this clause, shall not exceed 60 months.

(End of clause)

I.6 52.232-18 Availability of Funds

AVAILABILITY OF FUNDS (APR 1984)

Funds are not presently available for this contract. The Government's obligation under this contract is contingent upon the availability of appropriated funds from which payment for contract purposes can be made. No legal liability on the part of the Government for any payment may arise until funds are made available to the Contracting Officer for this contract and until the Contractor receives notice of such availability, to be confirmed in writing by the Contracting Officer.

(End of clause)

I.7 52.237-3 Continuity of Services

CONTINUITY OF SERVICES (JAN 1991)

(a) The Contractor recognizes that the services under this contract are vital to the Government and must be continued without interruption and that, upon contract expiration, a successor, either the Government or another contractor, may continue them. The Contractor agrees to—

- (1) Furnish phase-in training; and
- (2) Exercise its best efforts and cooperation to effect an orderly and efficient transition to a successor.

(b) The Contractor shall, upon the Contracting Officer's written notice, (1) furnish phase-in, phase-out services for up to 90 days after this contract expires and (2) negotiate in good faith a plan with a successor to determine the nature and extent of phase-in, phase-out services required. The plan shall specify a training program and a date for transferring responsibilities for each division of work described in the plan, and shall be subject to the Contracting Officer's approval. The Contractor shall provide sufficient experienced personnel during the phase-in, phase-out period to ensure that the services called for by this contract are maintained at the required level of proficiency.

(c) The Contractor shall allow as many personnel as practicable to remain on the job to help the successor maintain the continuity and consistency of the services required by this contract. The Contractor also shall disclose necessary personnel records and allow the successor to conduct on-site interviews with these employees. If selected employees are agreeable to the change, the Contractor shall release them at a mutually agreeable date and negotiate transfer of their earned fringe benefits to the successor.

(d) The Contractor shall be reimbursed for all reasonable phase-in, phase-out costs (*i.e.*, costs incurred within the agreed period after contract expiration that result from phase in, phase-out operations) and a fee (profit) not to exceed a pro rata portion of the fee (profit) under this contract.

(End of clause)

I.8 Cost Reimbursement Clauses—Travel Only

The following cost reimbursement clauses pertain to the reimbursement for travel (only) and are incorporated by reference:

- 52.216-07 Allowable Cost and Payment
- 52.232-20 Limitation of Cost
- 52.242-01 Notice of Intent to Disallow Costs
- 52.242-03 Penalties for Unallowable Costs
- 52.243-02 Changes—Cost Reimbursement
- 52.244-02 Subcontracts (Cost Reimbursement and Letter Contracts)
- 52.246-05 Inspection of Services, Cost Reimbursement
- 52.249-02 Termination for Convenience (Fixed Price)
- 52.249-06 Termination (Cost Reimbursement) Alt II
- 52.249-14 Excusable Delays

(End of clause)

I.9 Offeror Representations and Certifications (ORCA)

The Contractors Online Representation and Certifications (ORCA) are incorporated by reference into the contract

(End of clause)

Section J List of Attachments

J.1 Vessel Characteristics

Attachment #1 RRF Vessel Characteristics for Steam and Gas Turbine Ships

Attachment # 2 RRF Vessel Characteristics for Diesel Ships

Attachment #3 RRF Vessel Characteristics for RRF Training Vessels

Attachment #4 RRF Vessel Characteristics for Special Purpose Vessels

J.2 RRF Ship Managers Contact List

J.1 RRF Vessel Characteristics

Attachment #1 - RRF Vessel Characteristics for Steam and Gas Turbine Ships

Ship Name	Div	Type	R-Stat	VIN	IMO	Year Built	Length	Breadth	Depth	Gross Ton	Ship Manager	HP	No./Boiler Mfr/Type	Op Pres	Boiler Cap#/Hr	No. of Exps/Type/Rate	Auxiliary Diesel Gens	Aux Boiler Prs/Flow
Cape Inscription	DPO	RoRo	ROS/5	569400	7390105	1975	645	102	31.1	23382	Crowley	37,000	2/Babcock & Wilcox top fired	900	75,550	2/Aqua Chem Multi-Effect Flash/ 16K GPD		
Cape Intrepid	DPO	RoRo	ROS/5	573093	7390117	1976	645	102	31.1	23382	Crowley	37,000	2/Babcock & Wilcox top fired	900	75,550	2/Aqua Chem Multi-Effect Flash/ 16K GPD		
Cape Isabel	DPO	RoRo	ROS/5	577636	7390129	1976	645	102	31.1	23382	Crowley	37,000	2/Babcock & Wilcox top fired	900	75,550	2/Aqua Chem Multi-Effect Flash/ 16K GPD		
Cape Island	DPO	RoRo	ROS/5	581745	7390131	1977	640	102	31.1	23382	Crowley	37,000	2/Babcock & Wilcox top fired	900	75,550	2/Aqua Chem Multi-Effect Flash/ 16K GPD		
Cape May	DAO	Seabee	ROS/5	536671	7205958	1972	824	106	53.6	21667	Ocean Duc	36,000	2/Babcock & Wilcox top fired	865	123,050	2/AMF-CUNO MAXIM/16,000 GPD	2/Det. 16V Aux/DG Mod 8163-7305, 520KW; 1/Det 12V71 EDG Mod 7123-7000 EDG, 250 KW	
Cape Mohican	DPO	Seabee	ROS/5	536672	7223314	1972	824	106	53.6	21667	Ocean Duc	36,000	2/Babcock & Wilcox top fired	865		2/AMF-CUNO MAXIM/16,000 GPD		
Cornhusker State	DAO	T-ACS	ROS/5	520743	6916433	1969	582	78	54.5	17902	IAS	17,500	2/Babcock & Wilcox "D" Type	850	66,000	1/AMF Beaird FS20M2/ 20,000 GPD; 1/Aifa-Laval SP-26-C80/ 4,284 GPD	2/Cat 3516TA / 1200KW	
Curtiss	DPO	T-AVB	ROS/5	521302	6905288	1969	560	90	59	23255	Crowley	30,000	2/Combustion Eng "D" Type	870	102,110	102,110 1/Aqua-Chem:Flash Multi-Effect/ 20,000 GPD; 1/Aifa-Laval Flash Single- Effect/ 6,000 GPD 1/Aifa-LavalFlash Single-Effect/ 26,000 GPD		
Hickertail State	DAO	T-ACS	ROS/5	518063	6817845	1969	582	78	54.5	17932	IAS	17,500	2/Babcock & Wilcox "D" Type	850	66,000	1/AMF Beaird FS20M2/ 20,000 GPD; 1/Aifa-Laval SP-26-C80/ 4,284 GPD	2/Cat 3516TA / 1200 KW	
Gem State	DPO	T-ACS	ROS/5	501712	6520911	1966	636	76	44.6	16959	PGM	22,000	2/Foster Wheeler/ "D" Type	750	66,000	1/Aqua-Chem Multi-Effect/ 20,000 GPD	2/Gen Motors EMD/2,000KW	
Gopher State	DAO	T-ACS	ROS/5	545126	7226689	1972	582	78	54.5	17932	IAS	17,500	2/Babcock Wilcox "D" Type	850	66,000	1/AMF Beaird FS20M2/ 20,000 GPD; 1/Aifa-Laval SP-26-C80/ 4,284 GPD	2/Cat 3516TA / 1200 KW	
Grand Canyon State	DPO	T-ACS	ROS/5	500484	6510899	1965	636	76	44.6	17128	PGM	22,000	2/Foster Wheeler/ "D" Type	750	66,000	1/Aqua-Chem Multi-Effect/ 20,000 GPD	2/Gen Motors EMD/2,000KW	
Keystone State	DPO	T-ACS	ROS/5	502569	6603022	1966	636	76	44.6	17128	PGM	22,000	2/Foster Wheeler/ "D" Type	750	66,000	1/Aqua-Chem Multi-Effect/ 20,000 GPD	2/General Motors	
Petersburg	DGO	OPDS		291990	6329044	1963	707	102	50	27469	IAS	13,600	2/Foster Wheeler/ "D" Type	600				
Wright	DAO	T-AVB	ROS/5	524416	6924571	1970	560	90	59	23255	IAS	30,000	2/Combustion Eng "D" Type	870	102,110	1/Aqua-Chem Flash Multi-Effect/ 20,000 GPD; 1/Aifa-LavalFlash Single- Effect/ 26,000 GPD	1/SSDG Electromot 24617-871 Mod 12-645F7B; 1/EDG Det 3B518-720, Type V8-71N	1/ Burnham Mod 3p-200 -50-60-WEB, Scotch Marine 110psi 6900 lbs/hr.
Gas Turbine																		
Adm Wm M Callaghan	DPO	RoRo	ROS/5	511744	6801664	1967	637	92	38.4	24471	Patriot	20,000 HP/Turb	2/GE CE LM2500 Gas Turbines			2/ MFCO/PBE-300M3C Vapor Comp/ 7,200 GPD	3/ CAT D398T/ 500 KW	

FSS

Algol	DPO	FSS	ROS/5	546383	7303205	1973	880.5	105.5	64	48142	Ocn Duch	120K	2/Foster Wheeler/ "D" Type	850+	400K	2/Aqua Chem S1050FL24/ 25,000 GPD	2/EMD	
Altair	DGO	FSS	ROS/5	550722	7315571	1973	892.2	105.5	59	48524	IAS	120K	2/Foster Wheeler/ "D" Type	850+	400K	2/Aqua Chem S1050FL24/ 25,000 GPD	2/EMD	
Antares	DAO	FSS	ROS/5	542200	7226897	1972	892.2	105.5	59	48525	Keystone	120K	2/Foster Wheeler/ "D" Type	850+	400K	2/Aqua Chem S1050FL24/ 25,000 GPD	2/EMD	
Bellatrix	DGO	FSS	ROS/5	545201	7236153	1973	886.5	105.2	64	48904	IAS	120K	2/Foster Wheeler/ "D" Type	850+	400K	2/Aqua Chem S1050FL24/ 25,000 GPD	2/EMD	
Capella	DPO	FSS	ROS/5	540413	7223508	1972	881.8	105.5	64	48143	Ocn Duch	120K	2/Foster Wheeler/ "D" Type	850+	400K	2/Aqua Chem S1050FL24/ 25,000 GPD	2/EMD	
Denebola	DAO	FSS	ROS/5	550723	7325253	1973	881.8	105.5	64	48143	Keystone	120K	2/Foster Wheeler/ "D" Type	850+	400K	2/Aqua Chem S1050FL24/ 25,000 GPD	2/EMD	
Pollux	DAO	FSS	ROS/5	550721	7319632	1973	892.2	105.8	59	48524	Keystone	120K	2/Foster Wheeler/ "D" Type	850+	400K	2/Aqua Chem S1050FL24/ 25,000 GPD	2/EMD	
Regulus	DAO	FSS	ROS/5	545200	7302897	1973	892.2	105.8	59	48904	Keystone	120K	2/Foster Wheeler/ "D" Type	850+	400K	2/Aqua Chem S1050FL24/ 25,000 GPD	2/EMD	

Attachment 2 - RRF Vessel Characteristics for Diesel Ships

Ship Name	Div	Type	R-Stat	VIN	IMO	Year Built	Length	Breadth	Depth	Gross Ton	Ship Manager	HP	No./Boiler	Mfr/Type	Op Pres	Boiler Cap#/Hr	No. of Evaps/Type/Rate	Aux Diesel Gens	Aux Boiler Pres/Flow
Cape Decision	DAO	RoRo	ROS/5	684038	7310911	1973	635	97	67	13083	MTL	9,079	3/Pielstick 18 PC2V	2 / Scandia B&W 12V23HH990 KW	1/Erksborg Mek Verk / Emecolvi 114 PSI/ 4,400 #HR 1/SUNROD FireTube CPDF-10' 114 PSIG/ 2,200 #HR	1/Atlas-Laval DPU-36-C125 Flash Single-Effect/ 7,930 GPD			
Cape Diamond	DAO	RoRo	ROS/5	684037	7208443	1972	635	97	67	13083	MTL	9,000	3/Pielstick 18 PC2V	2 / Scandia B&W 12V23HH990 KW	1/Erksborg Mek Verk / Emecolvi 114 PSI/ 4,400 #HR 1/SUNROD FireTube CPDF-10' 114 PSIG/ 2,200 #HR	1/Atlas COPCO Flash Single-Effect / 7,930 GPD			
Cape Domingo	DAO	RoRo	ROS/5	684039	7229423	1973	655	97	67	13083	MTL	9,000	3/Pielstick 18 PC2V	2 / Scandia B&W 12V23HH 990 KW	1/Erksborg Mek Verk / Emecolvi 114 PSI/ 4,400 #HR 1/SUNROD FireTube CPDF-10' 114 PSIG/ 2,200 #HR	1/Atlas COPCO Flash Single-Effect / 7,930 GPD			
Cape Douglas	DAO	RoRo	ROS/5	684100	7228089	1973	635	97	67	13083	MTL	9,000	3/Pielstick 18 PC2V	2 / Scandia B&W 12V23HH 990 KW	1/Erksborg Mek Verk / Emecolvi 114 PSI/ 4,400 #HR 1/SUNROD FireTube CPDF-10' 114 PSIG/ 2,200 #HR	1/Atlas-Laval DPU-36-C125 Flash Single-Effect/ 7,930 GPD			
Cape Ducato	DAO	RoRo	ROS/5	684101	7208297	1972	635	97	67	13083	MTL	9,000	3/Pielstick 18 PC2V	2 / Scandia B&W 12V23HH 990 KW	1/Erksborg Mek Verk / Emecolvi 114 PSI/ 4,400 #HR 1/SUNROD FireTube CPDF-10' 114 PSIG/ 2,200 #HR	1/Atlas-Laval DPU-36-C125 Flash Single-Effect/WS872/10,000 GPD			
Cape Edmont	DAO	RoRo	ROS/5	901128	7027576	1970	608	94	30.9	12902	MTL	8,600	3/Pielstick 18 PC2V	2 / Scandia B&W 12V23HH720 KW	1/Erksborg Mek Verk / Emecolvi 114 PSI/ 4,400 #HR 1/SUNROD FireTube CPDF-10' 114 PSIG/ 2,200 #HR	1/Atlas COPCO Flash Single-Effect / 7,930 GPD			
Cape Henry	DPO	RoRo	ROS/5	901126	7724083	1979	683.9	105.8	66.3	38889	PGM	30,150	1/MITSUBISHI/SULZER/BRND90M	4/ YANMAR 82L-UT / 1,500 KW	1/SEO KOATSU KOGYO/ 85 PSIG/ 6,630 #HR 1/MITSUBISHI/ 85 PSIG/6,630#HR	1/NIREX Flash Single- Effect/ 7,920 GPD 1/Offshore Marine Reverse Osmosis/ 3,500 GPD			
Cape Horn	DPO	RoRo	ROS/5	901125	7704942	1979	689.2	105.8	66.3	37812	PGM	27,900	1/B&W/9K306	2/ MAK/6M 453 AK/ 2,000 KW; 2/ AK/6M 453 AK/ 1,500 KW	1/ AALBORG VERFT A/S TYPE AV-6/ 88 PSIG/ 6,630 #HR 1/ AALBORG VERFT A/S TYPEAQ 12/ 88 PSIG/ 6,630 #HR	1/Monobloc Flash Single-Effect/ 8,069 GPD 1/Offshore Marine Reverse Osmosis/ 3,500 GPD			
Cape Hudson	DPO	RoRo	ROS/5	901127	7704930	1979	689.2	105.8	66.3	37815	PGM	27,900	1/B&W/9K306	2/ MAK/6M 453 AK/ 2,000 KW; 2/ AK/6M 453 AK/ 1,500 KW	1/ AALBORG VERFT A/S TYPE AV-6/ 88 PSIG/ 6,630 #HR 1/ AALBORG VERFT A/S TYPEAQ 12/ 88 PSIG/ 6,630 #HR	1/Monobloc Flash Single - Effect/ 8,069 GPD 1/Offshore Marine Rev Osm/ 3,500 GPD			
Cape Kennedy	DGO	RoRo	ROS/5	1036324	7714636	1979	653.5	105.8	66.9	35058	Keystone	22,700	1/ Sumitomo HI / Sulzer /BRND90M	4/ Daihatsu/ 1,500 KW	1/ Bronswerk/MWE 103/56/04/ 925 PSIG/ 5,730 #HR 1/ Bronswerk MVOS-1900/ 925 PSIG/ 4,410 #HR	1/ Atlas/ 9,245 GPD			
Cape Knox	DGO	RoRo	ROS/5	1036323	7715290	1978	653.5	105.8	66.9	35058	Keystone	22,700	1/ Sumitomo HI / Sulzer /BRND90M	4/ Daihatsu/ 1,500 KW	1/ Bronswerk/MWE 103/56/04/ 925 PSIG/ 5,730 #HR 1/ Bronswerk MVOS-1900/ 925 PSIG/ 4,410 #HR	1/ Atlas/ 9,245 GPD			
Cape Orlando	DPO	RoRo	ROS/5	658479	7909968	1981	594.4	91.9	61.8	15632	Patriot	21,600	2/ SULZER / GRND68M	3/ SULZER / 8ASL25/30/ 1,400 KW	1/ Sunrod 142390/ 100 PSIG/ 5,060 #HR 1/ Sunrod CPDB-20/ 100 PSIG/ 5,060 #HR	1/ NIREX JWP-36-125/ 7,920 GPD 1/Atlas-Laval DPU-36-C-100/10300 GPD			
Cape Race	DAO	RoRo	ROS/5	993578	7616377	1977	648	106	65.1	31236	Keystone	14,000	2/ KAWASAKI / MAN B&W / 14V52 / 55	2/ DAIHATSU / VS-26 / 1,400 KW	1/ Kawasaki Hy Ind/Ble- 1044/ 100 PSIG/ 4,400 #HR 1/ Gadelius Sunrod CPDA-20/ 100 PSIG/ 4,400 #HR	1/ ATLAS/AFGU NO.6/ 8,000 GPD			
Cape Ray	DAO	RoRo	ROS/5	993577	7530810	1977	648	106	65.1	31236	Keystone	14,000	2/ KAWASAKI / MAN B&W / 14V52 / 55	2/ DAIHATSU / VS-26 / 1,400 KW	1/ Kawasaki Hy Ind/Ble- 1044/ 100 PSIG/ 4,400 #HR 1/ Gadelius Sunrod CPDA-20/ 100 PSIG/ 4,400 #HR	1/ ATLAS/AFGU NO.6/ 8,000 GPD			
Cape Rise	DAO	RoRo	ROS/5	996066	7530808	1977	648	106	65.1	31236	Keystone	14,000	2/ KAWASAKI / MAN B&W / 14V52/55	2/ DAIHATSU /VS-26/ 1,400 KW	1/ Kawasaki Hy Ind/Ble- 1044/ 100 PSIG/ 4,400 #HR 1/ Gadelius Sunrod CPDA-20/ 100 PSIG/ 4,400 #HR	1/ ATLAS/AFGU NO.6/ 8,000 GPD			
Cape Taylor	DGO	RoRo	ROS/5	632750	7603497	1977	589	89	57.7	13097	Crowley	9,490	2/ KH-B&W / 9L- 52/ 55A /450 RPM	2/ DAIHATSU /6DS- 26/720 RPM/ 800 KW	1/ SAARLOOS/THZ-08/ 105 PSIG/	1/ ALFA-LAVAL DPU 36-C-100/ 6,700 GPD			
Cape Texas	DGO	RoRo	ROS/5	632749	7602247	1977	596	89	57.7	13097	Crowley	9,495	2/ KH-B&W / 9L- 52/ 55A /450 RPM	2/MAK GBM/6M282 AK/900RPM/920 KW	1/ SAARLOOS/THZ-08/ 105 PSIG/	1/ ALFA-LAVAL DPU 36-C-100/ 6,700 GPD			
Cape Trinity	DGO	RoRo	ROS/5	991782	7602259	1977	597	89	57.7	13097	Crowley	9,495	2/ KH-B&W/9L- 52/55A/450 RPM	2/ MAK GBM/6M 282 AK /900RPM/920KW	1/ SAARLOOS/THZ-08/ 105 PSIG/	1/ ALFA-LAVAL DPU 36-C-100/ 6,700 GPD			
Cape Victory	DGO	RoRo	ROS/5	992284	8211306	1984	568	87	52.7	22425	Keystone	11,850	1/ Italcantier / Sulzer /6RLB66	3/ GMT/BL230.8 Vblock 8 Cy/1000KW	1/ Rizzi/Economizer 2/ 100 PSIG/ 3,300 #HR 1/Instream-M/100 PSIG/3300#Hr	1/SCAM RCM V25 Flash Single Effect/ 6,608 GPD 1/ Alfa-Laval JWP-26-C-100 Flash Single-Effect/ 9,246 GPD			
Cape Vincent	DGO	RoRo	ROS/5	993579	8211291	1984	568	87	52.7	22425	Keystone	11,850	1/ Italcantier / Sulzer /6RLB66	3/ GMT/BL230.8 Vblock 8 Cy/1000KW	1/ Rizzi/Economizer 2/ 100 PSIG/ 3,300 #HR 1/Instream-M/100 PSIG/3300#Hr	1/SCAM RCM V25 Flash Single Effect/ 6,608 GPD 1/ Alfa-Laval JWP-26-C-100 Flash Single-Effect/ 9,246 GPD			
Cape Washington	DAO	RoRo	ROS/5	992285	7826178	1982	650	106	44.5	51960	Crowley	17,400	1/ H.Cegielski (Sulzer) 6RND90	5/ Cegielski (Sulzer) 8AL25 /30/ 960 KW	1/ Gdansk (Sunrod) 4661 1/ Gdansk SY, 4X740A-116	1/ Alfa-Laval / 10,500 GPD			
Cape Wrath	DAO	RoRo	ROS/5	993576	7826166	1982	650	106	44.5	51960	Crowley	17,400	1/ H. Cegielski (Sulzer) 6RND90	5/ Cegielski (Sulzer) 8AL25 /30/ 960 KW	1/ Gdansk (Sunrod) 4661 1/ Gdansk SY, 4X740A-116	1/ Alfa-Laval/ 10,500 GPD			

Attachment #3 - Vessel Characteristics for RRF Training Vessels

Ship Name "Training"	Div	Type	VIN	IMO	Year Built	Length	Breadth	Depth	Gross Ton	HP / Eng	No./Eng Mand/Type	Aux Diesel / Gens / Ship Serv Gens	Main & Aux Boiler Pres/Flow	No. of Evaps/Type/Rate
TS Golden Bear	DPO	TRNG	CG021994 ABSID 8900856	8834407	1989	476 ft	72 ft (molded)	42 ft	12,517 (registered)	7,200 HP each	2/Enterprise PS- VI6	3/MaK GM332/900KW	2 - 100psi Oil Fired Aux Steam Generators (Clayton EO-404 & SEO-204)	2 - Alfa-laval NirexSP-36-C125 rated 40m ³ /day 1 - RO unit, FCI Neptune NH7246S, 27m ³ /day
TS State of Maine	DAO	TRNG	029703	8835217	1990	466 ft	72 ft	42 ft	13,571	8,046	1-MAK M601 6 cyl	3/MaK GM332/900KW	1 - 100psi Fuel Fired Aux Boiler, 1-100 psi Stack Exh Gas (economz) Blr	1, Alfa-Laval, D-PJ-2-36C-125, 38m ³ /day
TS State of Michigan	DPO	TRNG	003458	8835451	1984	224 Feet	43 Feet	20 Feet	1,894	1,600 Electric Motor/3800 Diesel	4- D398 Caterpillar/12 cylinder	EDG 3408 caterpillar/ 250 KW Kato generator	N/A	2 - Alfa Laval Type JWP-26-C80/100
TS Empire State	DAO	TRNG	287875	5264510	1962	565	23	28	14557	22,000	1-General Electric, Cross Compd HP & LP	1, SHIP'S SERV AUX DSL GEN, CAT MOD 3516; 1, Emerg Dsl Gen, Cat- Mod 3406	Main Boilers: 2, Foster Wheeler D Type Boilers, 650psi Design Press, 64,300#/hr	2, GRIS-RUSSE 2 STG FLSH EVAP RATED AT 8,000 CPD; 1, NIREX TYPE WESTFALIA WATER MAKER RATED AT 90 TON DAY; Lifestream Model SW026K463CMC Reverse Osmosis Water Maker
TS Gibson	DGO	TRNG		6821614	1968	606	82	32	15949	24,000 SHP	1-General Electric, Cross Compd HP & LP	2ea. MCDS 500 KW Detr Dsl Gen Series V-92, 12 cylinder; 1 ea. EGen. Dsl. 150KW Detr Mod 7083-700, Series 8V-71, 215 HP, 1800 RPPM; 2 ea. SSTGs 1250 KW G.E. turb/gen.	2 each Babcock & Wilcox Propulsion Blns. 875 PSIG @ 950 degrees. Steam Generated 74,600 lbs/hr/blr	1 each Aqua-Chem 30,000 CPD two stage flash evap. 1 each Alfa-Laval JWP-26-C100, 16 cubic meters/day or 4226.8 gal/day
TS Kennedy	DAO	TRNG	509652	6621662		537	76	42	13,886	12,500 / Max ABS 15,500	1 - DeLaval Cross Compound HP & LP	1 - 1360 KW SSDQ Wartsila Dsl, Model 8L20LF; ABB Gen AMG500 LB	Main Boilers, 2 - Foster Wheeler "D" Type; Design Press 700 psig; 79,500#/hr	1 - Alfa Laval JWP - 36 - 200, Present Capacity 16 - 17,000 CPD; Design Cap = 25,000 CPD; 2 - Aqua Chem Flash Evaps Model 8500FL2s; 12,000 CPD

Attachment #4 - Vessel Characteristics for the Special Purpose Vessels

Ship Name	Div	Type	VIN	IMO	Year Built	Length	Breadth	Depth	HP / Eng	No./Eng Manuf/Type	Aux Diesel	Main & Aux	No. of Evaps/T
Pacific Collector	DPO	SP							3400@170RPM	2/ ALCO 251C/V12	3/cat/351 2/600K		
Pacific Tracker	DPO	SP		6507921					3400@170RPM	2/ ALCO 251C/V12	3/cat/351 2/600K		

J.2 RRF Ship Managers Contact List

READY RESERVE FORCE (RRF) SHIP MANAGERS

For Questions call (202) 366-0728
5/22/2012

March 28, 2012

	POINT OF CONTACT	CONTRACT		VESSEL ASSIGNED	RRF	Area	OUTPORT	UNIONS	UNLIC.
		DTMARC	GP			Div	LOCATION ¹	DEPT. LIC.	
KEYSTONE SHIPPING	Mr. Andy Hake	05003	3	CAPE RACE	RCS-5	DAO	Potomouth, VA	DECK: MEBA D-1	S/U
SERVICES INC.	Manager of Government Contracts - Fleet Engineer			CAPE RAY	RCS-5	DAO	Potomouth, VA	ENG: MEBA D-1	S/U
One Balu Plaza East	(610) 617-6853			CAPE RISE	RCS-5	DAO	Potomouth, VA	STWD:	S/U
Suite 600		05007	7	CAPE KENNEDY	RCS-5	DGO	New Orleans, LA		
Bala Cynwyd, PA 19004-1496	M. Koslow, Vice President of Engineering (610) 617-6848			CAPE KNOX	RCS-5	DGO	New Orleans, LA		
	(610) 617-6800 min number	05009	9	CAPE VICTORY	RCS-5	DGO	BRF		
	FAX: 610-617-6899			CAPE VINCENT	RCS-5	DGO	BRF		
MGT POC: Mr. Andy Hake ahake@keystone.com	(610) 617-6922 Mr. Don Kurz, President and COB Joseph Lee, Contract Account	DTMARC1A90045		NS SAVANNAH	NDRF	HQ	Baltimore, MD		
KEYSTONE OCEAN	Mr. Andy Hake	11023	23	POLLUX	RCS-5	DAO	Philadelphia, PA	DECK: MEBA D-1	S/U
SERVICES, INC.	Manager of Government Contracts - Fleet Engineer			REGILLUS	RCS-5	DAO	Philadelphia, PA	ENG: MEBA D-1	S/U
One Balu Plaza East	(610) 617-6853	11024	24	ANTARES	RCS-5	DAO	Baltimore, MD	STWD:	S/U
Suite 600				DENEbola	RCS-5	DAO	Baltimore, MD		
Bala Cynwyd, PA 19004-1496	M. Koslow, Vice President of Engineering (610) 617-6848								
	(610) 617-6800 min number								
MGT POC: Mr. Andy Hake ahake@keystone.com	FAX: 610-617-6899 (610) 617-6922 Mr. Don Kurz, President and COB Joseph Lee, Contract Account								
MARINE TRANSPORT LINES, INC.	Mr. John C. Trent, Prog Mgr	05001	1	CAPE EDMONT	RCS-5	DAO	Charleston, SC	DECK: MEBA D-1	S/U
2075 Thompson Ave	843 747 8172 Chas Office, 804-727-2435 fax office, Cel 201 417 6228			CAPE DUCATO	RCS-5	DAO	Charleston, SC	ENG: MEBA D-1	S/U
North Charleston, SC 29405-2415	Mr. Don Soutar, Contracting Officer			CAPE DECISION	RCS-5	DAO	Charleston, SC	STWD:	S/U
MGT POC: Mr. John Trent john.trent@crowlev.com	904 727 2657 Cell 854-471-9344 Mr. Michael Walsh, Fleet Manager			CAPE DOUGLAS	RCS-5	DAO	Charleston, SC		
	843 747 8128 Cell 843 302-1593			CAPE DIAMOND	RCS-5	DAO	Charleston, SC		
	FAX 843-747-8127			CAPE DOMINGO	RCS-5	DAO	Charleston, SC		

¹For exact layberth location (202) 366-5072

READY RESERVE FORCE (RRF) SHIP MANAGERS

For Questions call (202) 366-0728
5/22/2012

March 28, 2012

	POINT OF CONTACT	CONTRACT		VESSEL ASSIGNED	RRF	Area	OUTPORT	UNIONS	UNLIC.
		DTMA&C	GP			Div	LOCATION *	DEPT: LIC.	
OCEAN DUCHESS, Inc.	Duane Hookerberry Program Mgr 281-675-8127	05020	20	CAPE VAY	ROS-5	DAO	NT pier 3, Norfolk, VA	DECK: AVO	SU
16211 Park Ten Place	713-208-3898 cell			CAPE MOHICAN	ROS-5	DPO	Alameda, CA	ENG: AVO	SU
Houston, TX 77064-5113	Captain Robert V. Sheen, VP, Ops 281-675-8120 John James, VP, Controller 281-675-8141 Dwight Hatfield, Purchasing 281-675-8160	11026	26	ALGOL	ROS-5	DPO	Alameda, CA	STWD:	SU
	Linda Turnbull, Contract Administrator 281-675-8188, cell 713-202-3240 281-579-3700 Main Number dfhookerberry@oceanshipholdings.com			CAPELLA	ROS-5	DPO	Alameda, CA		
	Joe F. Vaughan, Jr Chairman/CEO 281-579-3700 ext 8100 FAX 281-579-3329								
	James P. McGregor, Pres/COO 281-675-8181 jpm@oceanshipholdings.com								
	Jack E. Welch, Exec VP/COO 281-675-8140 kwelch@oceanshipholdings.com								
	John James, VP/Controller jjj@oceanshipholdings.com								
PATRIOT CONTRACT SERVICES LLC.	Ms. Lisa Hernandez CO lhernandez@pcsmhq.com	05012	12	ADM W/M CALLAGHAN	ROS-5	DPO	Alameda, CA	DECK: WVP	SUP
1330 Willow Pass Road, Suite 485	Frank Angelesco, Vice President Operations (handling Technical Mgr/Program Mgr roles) 925-296-2017, cell 925-551-1351	05021	21	CAPE FLATTERY	RRF10	DGO	BRF	STWD:	SU-PD
Concord, CA 94520	925-296-2000 mn # 925-296-1990 emergency # FAX 866-340-2908	DTMAIHO/001	32	CAPE HENRY	ROS-5	DPO	Alameda, CA		
	MGT POC: Judy L. Collins JudyCollins@ASV-3.COM								

* For exact layberth location (202) 366-5072

READY RESERVE FORCE (RRF) SHIP MANAGERS

For Questions call (202) 366-0728
5/22/2012

March 28, 2012

	POINT OF CONTACT	CONTRACT		VESSEL ASSIGNED	RRF	Area	OUTPORT	UNIONS	UNLIC.
		DTMA&C	GP			Div	LOCATION *	DEPT: LIC.	
PACIFIC GULF MARINE INC.	Mr. Todd Johnson, Pres.	05016	16	KEYSTONE STATE	RCS-5	DPO	Alameda, CA	DECK: AMO	SL
use PO for mailing	Office (504) 362-8121 ext 203 cell 504-289-4120			SEV STATE	RCS-5	DPO	Alameda, CA	ENG: AMO	SL
PO BOX 6479	Dale M. Grois - COO			GRAND CANYON STATE	RCS-5	DPO	Alameda, CA	STWD:	SL
New Orleans, LA 70174-6479	Office (504) 362-8121 ext 204, cell 504-289-4511 FAX 504-364-3484								
use for shipping (Main Office): 401 Whitney Av. Suite 511 Gretna, LA 70174 Tel: 504-362-8121, Fax: 504-364-3484	Rich E. Boyer - RRF Prog Mgr Office (504) 362-8121 ext 210 cell 504-289-2142 duty beeper: 877-369-0011 FAX (504) 364-3484								
PGM Alameda Office 2433 Marina's Square Loop, Suite 211 Alameda, CA 94501 Tel: 510-749-0903, Fax: 510-749-8351	Houston Ofc: 713-649-3118 713-490-6679								
MGT POC: Dale M. Grois dmgis@pgoa-gulf.com									
Division of Atlantic Operations (DAO)	Mr. Jeffrey J. McMahon								
U.S. Maritime Admin MAR-615 7737 Hampton Blvd Bldg. 16, Suite 300 Norfolk, VA 23505-1204	757-322-8800 or ext 5827 or 5828 757-322-5857								
Division of Gulf Operations (DGO)	Mr. Deepak Varshney								
U.S. Maritime Admin MAR-616 Hale Boggs Federal Building 501 Magazine St. Room 1223 New Orleans LA 70130-5394	504-589-2000 504-589-8559								
Division of Pacific Operations (DPO)	Mr. Hank Ryan								
U.S. Maritime Admin MAR-617 201 Mission St Suite 1800 San Francisco CA 94105-3905	415-744-2577 415-744-2591								

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READY RESERVE FORCE (RRF) SHIP MANAGERS

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	POINT OF CONTACT	CONTRACT		VESSEL ASSIGNED	RRF	Area Div	OUTPORT LOCATION *	UNIONS	
		DTMASC	GP					DEPT. LIC.	UNLIC.
CROWLEY TECHNICAL MANAGEMENT, INC.	Mr. Mika Golonka, General Mgr. 904-727-2613 Paul Varghese, MARAD Program Director - Director, Contract Operations 904-727-4140	05004	4	CAPE WASHINGTON	ROS-5	DAO	Baltimore, MD	DECK: AMO	SIU
North Regency Two 9487 Regency Square Blvd. Jacksonville, FL 32223	Tim Burke, Supt DAO & DGO 904-727-2641 Mark Harris, Supt DFO 253-205-9535	05008	8	CAPE TAYLOR	ROS-5	DGO	Houston, TX	STWD:	SIU
FD Box 2110 Jacksonville, FL 32203-2110	Ms. Sharon Timmons, Manager Contract Compliance 904-727-2187 Ms. Paul Murphy, Director Contract Administration 904-727-2624	05014	14	CAPE INTREPID	ROS-5	DPO	Tacoma, WA		
MGT POC: Paul Varghese p.varghese@Crowley.com	Madon Moley, Contracting Officer 904-727-2810 (904) 727-2200 (904) 727-2254 (24 hr) FAX 904-726-4328	05019	19	CAPE ISABEL CAPE INSCRIPTION WRIGHT CURTISS	ROS-5	DPO	Long Beach, CA Long Beach, CA Baltimore, MD San Diego, CA		
INTEROCEAN AMERICAN SHIPPING CORP. 302 Harper Drive, Suite 200 Moorestown, NJ 08057-5702	Mr. Jorge Aguirre, Pres Mr. Tom Feskett - VP of Finance Ms. Karen Suarez - CO Mr. Mitch Walker - VP/Gen Mgr office 856-770-5621 ce 909-438-7856 Mr. Vince Cory - Marad Prog Dir. Michael Roberts - Engineering Supt - Norfolk T-ACS OPDS, Tracker/Collector C44 Castiglioni - Engineering Supt - FSSs, Cape Hs	05005 05011 11025 11027	5 11 25 27	GOPHER STATE FLICKERTAIL STATE CORNHUSKER STATE PETERSBURG BELLATRIX ALTAIR PACIFIC COLLECTOR PACIFIC TRACKER	ROS-5 ROS-5 ROS-5 RRF10 ROS-5 ROS-5 ROS-5 ROS-5	DAO DAO DAO DGO DGO DGO DPO DPO	Newport News, VA Chidm Anx, VA Newport News VA San Francisco, CA Marrero LA Marrero LA Portland OR Portland OR	DECK: AMO ENG: AMO STWD:	SIU SIU SIU
MGT POC: Mitch Walker mitch.walker@noordsema.net	856-770-5633 FAX: 856-770-1536 after hrs 856-770-1600	DTMA1H05006	31	CAPE HORN CAPE HUDSON	ROS-5 ROS-5	DPO DPO	San Francisco, CA San Francisco, CA		

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