

**SOLICITATION / CONTRACT / ORDER FOR COMMERCIAL ITEMS**  
**OFFEROR TO COMPLETE BLOCKS 12, 17, 23, 24, & 30**

1. REQUISITION NUMBER  
 PAGE 1 OF 15

2. CONTRACT NO. 3. AWARD/EFFECTIVE DATE 09/12/2005 4. ORDER NUMBER 5. SOLICITATION NUMBER DTMA1R05020 6. SOLICITATION ISSUE DATE 09/12/2005

**7. FOR SOLICITATION INFORMATION CALL:** a. NAME Gene Simmons b. TELEPHONE NUMBER (No collect calls) (202) 366-1711 ext. 8. OFFER DUE DATE/ 10/14/2005 LOCAL TIME 3:00 pm

9. ISSUED BY CODE 00091  
 DOT/Maritime Administration, MAR-380  
 400 Seventh Street, SW., Room 7310  
 Washington, DC 20590  
 TEL: (202) 366-5757 ext.  
 FAX: (202) 366-3237 ext.

10. THIS ACQUISITION IS  
 UNRESTRICTED  
 SET ASIDE: 0.00% FOR  
 SMALL BUSINESS  
 HUBZONE SMALL BUSINESS  
 8(A)  
 NAICS: 541618  
 SIZE STANDARD: 5,000,001-10,000,000

11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED  
 SEE SCHEDULE  
 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700)  
 13b. RATING  
 14. METHOD OF SOLICITATION  
 RFQ  IFB  RFP

12. DISCOUNT TERMS  
 10 days %  
 20 days %  
 30 days %  
 days %

15. DELIVER TO CODE HQ611  
 DOT/Maritime Administration, MAR-611  
 400 Seventh Street, SW., Room 2119  
 Washington, DC 20590  
**Attn: JOHN C. WIEGAND**

16. ADMINISTERED BY CODE 00091  
 DOT/Maritime Administration, MAR-380  
 400 Seventh Street, SW., Room 7310  
 Washington, DC 20590

17a. CONTRACTOR/OFFEROR CODE FACILITY CODE  
 No Contractor Information Available

18a. PAYMENT WILL BE MADE BY CODE HQ333  
 DOT/Maritime Administration, MAR-330  
 400 Seventh Street, SW., Room 7325  
 Washington, DC 20590

TELEPHONE NO.  
 17b. CHECK IF REMITTANCE IS DIFFERENT AND PUT SUCH ADDRESS IN  OFFER  
 18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 18a UNLESS BLOCK BELOW IS CHECKED  SEE ADDENDUM

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT
(Use Reverse and/or Attach Additional Sheets as Necessary)					

25. ACCOUNTING AND APPROPRIATION DATA 26. TOTAL AWARD AMOUNT (For Govt. Use Only)

27a. SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4. FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA  ARE  ARE NOT ATTACHED  
 27b. CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4. FAR 52.212-5 IS ATTACHED. ADDENDA  ARE  ARE NOT ATTACHED

28. CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN \_\_\_\_\_ COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO THE TERMS AND CONDITIONS SPECIFIED HEREIN.  
 29. AWARD OF CONTRACT: REF. \_\_\_\_\_ OFFER  
 DATED \_\_\_\_\_ YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN, IS ACCEPTED AS TO ITEMS:

30a. SIGNATURE OF OFFEROR/CONTRACTOR 31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)  
 30b. NAME AND TITLE OF SIGNER (Type or print) 30c. DATE SIGNED 31b. NAME OF CONTRACTING OFFICER (Type or print) 31c. DATE SIGNED  
 M. E. Simmons

19. ITEM NO.	20. SCHEDULE OF SUPPLIES/SERVICES	21. QUANTITY	22. UNIT	23. UNIT PRICE	24. AMOUNT

32a. QUANTITY IN COLUMN 21 HAS BEEN

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

32b. SIGNATURE OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32c. DATE	32d. PRINTED NAME AND TITLE OF AUTHORIZED GOVERNMENT REPRESENTATIVE
--	-----------	---

32e. MAILING ADDRESS OF AUTHORIZED GOVERNMENT REPRESENTATIVE	32f. TELEPHONE NUMBER OF AUTHORIZED GOVERNMENT REPRESENTATIVE
	32g. E-MAIL OF AUTHORIZED GOVERNMENT REPRESENTATIVE

33. SHIP NUMBER <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR	36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	37. CHECK NUMBER
--	--------------------	---------------------------------	--	------------------

38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY
------------------------	------------------------	-------------

41a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT	42a. RECEIVED BY <i>(Print)</i>
41b. SIGNATURE AND TITLE OF CERTIFYING OFFICER	41c. DATE
	42b. RECEIVED AT <i>(Location)</i>
	42c. DATE REC'D <i>(YY/MM/DD)</i>
	42d. TOTAL CONTAINERS

<b>Line Item Summary</b>	<b>Document Number</b> DTMA1R05020	<b>Title</b> SAVANNAH MOS RFC	<b>Page</b> 3 of 15
--------------------------	---------------------------------------	----------------------------------	------------------------

<b>Line Item Number</b>	<b>Description</b>	<b>Delivery Date (Start Date to End Date)</b>	<b>Quantity</b>	<b>Unit of Issue</b>	<b>Unit Price</b>	<b>Total Cost (Includes Discounts)</b>
-------------------------	--------------------	---	-----------------	----------------------	-------------------	--

0001	Request for Comments	1.00	JOB	\$ _____	\$ _____
------	----------------------	------	-----	----------	----------

(09/16/2005 to 10/14/2005)

This is a Request for Comment (RFC) for the Manangement and Oversight (MOS) Request for Proposals (RFP) that will be issued. The purpose of this RFC is to solicit and receive feedback from interested commercial sources as to the work to be performed. MARAD will review all the comments received and revised the RFP where necessary. Contractors are requested to Advise MARAD of any current regulatory requirements not covered in the statement of work.

The Government contemplates award of a Firm Fixed Price Indefinite Delivery Indefinite Quantity Contract as a result of this solicitation.

Proposals may be mailed via FedEx, DHL, UPS etc or hand carried to the following address. Due to rediated mail procedures in our facility, proposals submitted using US mail may be delayed or damaged, we therefore recommend that you use on of the above methods to prevent delay or damage to your proposal.

	<b>Document No.</b> DTMA1R05020	<b>Document Title</b> SAVANNAH MOS RFC	Page 4 of 15
--	------------------------------------	---	--------------

TABLE OF CONTENTS

SECTION C -- Descriptions and Specifications	5
C.1    Statement of work	5
SECTION L -- Instructions, Conditions and Notices to Bidders	11
L.1    Site Visit	11
SECTION M -- Evaluation Factors for Award	12
M.1    Evaluation Factors for Award.	12

	<b>Document No.</b> DTMA1R05020	<b>Document Title</b> SAVANNAH MOS RFC	Page 5 of 15
--	------------------------------------	---	--------------

## SECTION C -- DESCRIPTIONS AND SPECIFICATIONS

### C.1 STATEMENT OF WORK

Project Technical Support, Planning and Management Services  
Multi-Phase - Task Ordering (Fixed Price)  
For the  
Decommissioning, Decontamination and Radiological Remediation (DDR) of the N.S. Savannah

#### Section C - Statement of Work/Requirements

##### C.1 - Scope of Work (Overview)

The technical efforts to be performed by the Contractor will be in support of three (3) distinct phases associated with the process of decommissioning, decontamination and radiological remediation (DDR) of the containment vessel and its internal components of the nuclear ship N.S. Savannah. The three (3) phases are:

- Phase I - Pre-Decommissioning (Planning and Scheduling)
- Phase II - Decommissioning - Industrial Activity (Monitoring and Oversight)
- Phase III - Post Decommissioning (License Termination and Facility Lay-Up)

Separate Task Orders will be issued for the performance of technical services associated with each Phase. Each Task Order will be separately funded, have specific notice to proceed dates and may contain both reimbursable and fixed price line items (sub-tasks). Some, not all, sub-tasks within a task order (phase) may be performed concurrently with other sub-tasks. Authorization to proceed with the performance of a specific sub-task within a Task Order will be given the Contractor by the Contracting Officer.

The Offeror shall assume that the total Project will be performed over a period of five (5) calendar years in accordance with the following notional timeline:

- Phase I - Fifteen (15) to Eighteen (18) Months
- Phase II - Eighteen (18) to Twenty-Four (24) Calendar Months
- Phase III - Fifteen (15) to Eighteen (18) Calendar Months

The Notice to Proceed date for Phase I is expected to occur in the last quarter of calendar year 2005. Some of the sub-tasks identified under Phase I will apply (extend) through both Phase II and Phase III. The funding of those portions of the technical efforts for "extended" sub-tasks, performed in a specific Phase will be part of the funding for that specific Phase.

##### C.2 - N.S. Savannah (Overview)

The N.S. Savannah was the world's first nuclear-powered cargo/passenger ship, built by the New York Shipbuilding Corporation at Camden, New Jersey. The N.S. Savannah was 600 foot long with a displacement of 22,000 tons and was designed to carry 9,400 tons of cargo, 60 passengers and 124 crew at a design speed of 21 knots. The N.S. Savannah's pressurized light water moderated and cooled low enrichment uranium dioxide (U-235.4.4%) fueled reactor was rated at 80 maximum-power thermal Megawatts. The propulsion system was capable of delivering in excess of 22,000 shaft horsepower to a single propeller.

After its launching in 1962, the ship went from port to port around the world during the demonstration phase of the Atoms for Peace initiative. The N.S. Savannah went into full commercial cargo transport service in 1965 being operated by a private shipping company under contract to the Maritime Administration. The reactor core was refueled in 1968 and the vessel continued in commercial service until 1970. From 1965 through the present, the N.S. Savannah has operated under Utilization or Possession Facility License No. NS-1 issued and amended by the Nuclear Regulatory Commission.

The NRC license includes Technical Specifications that delineate current license requirements. In addition, Port Operating Plans and Criteria, which identify pertinent navigation, fleet administration, and site evaluation information, were developed for each port the N.S. Savannah entered. Subsequent to fuel core removal in the fall of 1971, the NRC license was required to be maintained, consistent with the Atomic Energy Act of 1954, until the reactor is removed from the ship and properly disposed of.

	<b>Document No.</b> DTMA1R05020	<b>Document Title</b> SAVANNAH MOS RFC	Page 6 of 15
--	------------------------------------	---	--------------

In the early 1970's the N.S. Savannah was partially decommissioned. In 1971, the nuclear fuel core was removed from the N.S. Savannah at the MARAD Refueling Facility, Todd Shipyards, Galveston, Texas. In addition to the fuel core being removed, the reactor vessel was closed with the head in place, held by six tensioned studs. The control rod drive system was disconnected mechanically, hydraulically, and electrically. Sealed plates were placed on the twenty-one reactor head nozzles, mechanically separating the control rod from the drive mechanism.

In 1973, the Atomic Energy Commission (AEC) issued Amendment 11 to the Technical Specification of the Facility License NS-I. The Amendment recognized that the reactor was no longer operational. Subsequent to the issuance of Amendment 11, the primary system of the reactor vessel was completely drained of water and the steam generators and all auxiliary systems within the containment vessel was drained of all water as completely as practical. Subsequent testing shows that approximately 2500 gallons of water remains. The radiological material and equipment removed from the ship includes: fuel assemblies/elements (32); main coolant pumps (4), demineralizer resins, fission chambers; start-up source as well as any contaminated trash/loose materials.

The NS Savannah is currently moored in the James River at Fort Eustis, along with other vessels of the National Defense Reserve Fleet (JRRF). The vessel is in a state of protective storage/preservation pursuant to License Amendment No. 12 issued by the Nuclear Regulatory Commission (NRC). Although all fuel assemblies, radioactive fluids, and other significant sources of radioactivity were removed from the ship during decommissioning in the early 1970s; radiation monitoring, environmental surveillance, access control and security measures have been established and maintained continually under the existing license, as amended, to ensure that the health and safety of JRRF employees, military and civilian personnel at Fort Eustis, visitors, and the general public are not subjected to any undue hazard.

Throughout its laid-up (storage) within the JRRF, routine maintenance and periodic inspections have been completed inclusive of the hull and cathodic protection systems. In addition annual radiation surveys and visual inspections of selected components of the primary and secondary systems have been performed. All results have been documented per license requirements. A comprehensive radiological survey was completed in April, 2005. The calculated residual radioactivity remaining as of April 2005 is:

Activated Components within Pressure Vessel - NNN,NNN curies  
Corrosion/Fission Products (Plated Out) - NN.N curies  
Total Estimated Residual Activity - NNN,NNN curies

### C.3 - Requirements

Throughout the project, the Contractor shall assume that all responsibilities associated with providing husbanding services for the N.S. Savannah are the responsibility of a third-party while the vessel is NOT in the custody of an industrial activity. This third party may be either MARAD's South Atlantic Region or a General Agent selected by MARAD. Husbanding services include: mooring, berthing, access (security), fire and flooding protection, development of mooring plans, towing and drydocking specifications, etc.). When the N.S. Savannah is in the custody of an industrial activity (shipyard/repair facility); husbanding services shall be an integral part of the contract with the industrial activity.

The Government has NOT attempted to define in detail each and every sub-task associated with each Phase of the technical effort. However, some of the sub-tasks anticipated to be required and/or unique to this specific DDR project are as described herein.

#### C.3.1 - Pre-Decommissioning Planning and Scheduling (Phase I)

##### Sub-Task A-001: Document Review (Firm Fixed Price)

The Contractor shall review, assemble and inventory available literature, construction, drydocking, and mooring plans, construction and refueling specifications, construction drawings, existing Regulatory Body documents relating to the N.S. Savannah as well as prior characterization studies, environmental assessments, port clearance documentation, etc. and assess the relevance to the requirements for performing the DDR.

The Contractor shall identify any documentation and/or information that is missing or required to accomplish the DDR exclusive of vessel husbanding requirements during the Project.

The Contractor shall identify any documentation and reproduction requirements (type, quantities and cost) that will be required to be made available to those parties interested in proposing or performing on the Project.

	<b>Document No.</b> DTMA1R05020	<b>Document Title</b> SAVANNAH MOS RFC	Page 7 of 15
--	------------------------------------	---	--------------

Note: The Government will provide copies to each Offeror, of its current inventory of documentation relating to the N.S. Savannah. The Contractor will be granted unlimited access to any documentation currently in the possession of the Government (MARAD). A majority of this documentation is in storage at the U.S. Merchant marine Academy in Kings Point, New York.

The rest shall be made available at MARAD HQ or on the technical library onboard the vessel.

**Sub-Task A-002: Regulatory Review**

The Contractor shall review existing and applicable State and Federal Government regulations governing the process of DDR, including but not limited to regulations issued by the United States Coast Guard (USCG), the Environmental Protection Agency (EPA), the Nuclear Regulatory Commission (NRC), and the Department of Transportation (DOT). Documentation and reporting requirements required throughout the process (all phases) shall be identified. Documents shall be categorized as those required to be prepared and filed by the Government (MARAD), those required to be prepared and filed by the DDR Contractor as well as those required to be prepared and filed other third parties; i.e., waste disposal shipping company, waste disposal site, etc. The contractor shall be responsible for making all arrangements for shipping and disposal of all hazardous materials removed from the vessel.

The Contractor shall assist the Government (MARAD) in preparing those documentation requirements and reports necessary for prior approval of the DDR and those required to support the issuance of a contract for the DDR; i.e., environmental assessments, preliminary safety systems analyses and plans, etc.

**Sub-Task A-003: Document Reproduction**

The Government (MARAD) shall review the inventory of documentation prepared by the Contractor and authorize the Contractor to have reproduced (type and quantity) specific documents (reports, drawings, specifications, etc.).

**Sub-Task A-004: DDR Statement of Work**

The Contractor shall assist the Government (MARAD) is preparing the Request for Proposals for contracting for services (industrial) to perform the DDR (Phase II). It is expected that the Contractor's major involvement in this sub-task will be related to preparing the "technical requirements" often referred to as Section C of a Request for Proposals or a Statement of Work (SOW). However, it is expected that the Government (MARAD) will seek as guidance, advice and recommendations or SOW from the Contractor in identifying any unique requirements that may be related to the types of technical services required (direct and support) as well as the qualifications of Offerors/Vendors associated with these types of services. These requirements are often a part of Section L of a Request for Proposals.

**Sub-Task A-005: DDR Schedules and Budgets/Cost Estimates**

The Contractor shall assist the Government in preparing schedules and cost estimates for the DDR. A cost estimate shall be prepared for each discrete DDR requirement and activity within each Phase. Discrete DDR requirements or activities include but are not limited to: nuclear equipment and material removal, nuclear waste disposal, nuclear waste transport, personnel safety and health monitoring and reporting, environmental monitoring and reporting, interior space remediation, Regulatory Body reporting, lay-up preparation, project management, etc. MARAD will be responsible for vessel husbanding and associated services (as previously discussed).

The schedule shall indicate the required monthly outlays (funding) for each discrete requirement and activity over its unique period of performance of each Phase. The schedule, costs and monthly outlays for each discrete activity requirement shall be rolled-up Into an over-all funding budget and allocation plan for the DDR (Phase II and Phase III).

**Sub-Task A-006: Nuclear Component and Waste Disposal Estimates**

The Contractor shall identify the scope of equipment and materials to be removed as part of the DDR. Estimated weight and volume of individual units of equipment shall be identified. Other materials such as piping, valves, etc. that can be co-mingled would be assembled into disposal unit packages that are suitable for shipment via commercial transport to the waste disposal site and disposal (disposition) as unit packages.

As an integral part of this sub-task the Contractor shall identify (type, size, capacity) the availability (location, leasing/purchase costs, time-frame, etc.) of shipping casks for the transport of the units of equipment and material unit packages. In the event that a shipping cask is NOT available for a specific unit of equipment, the Contractor shall prepare the

	<b>Document No.</b> DTMA1R05020	<b>Document Title</b> SAVANNAH MOS RFC	Page 8 of 15
--	------------------------------------	---	--------------

necessary documentation to design, license and construct a suitable shipping cask. It is anticipated that this process may take 18-24 months to complete the actual approved cask.

The Contractor will be required to identify, evaluate, cost estimate and perform risk assessments for primary and secondary waste shipment methods and routes. The anticipated decommissioning location is the port of Charleston, South Carolina. The disposal location for all nuclear waste materials will be the State of South Carolina Barnwell Waste Disposal Facility operated/managed by Chem-Nuclear Systems, LLC a wholly-owned subsidiary of Duratek, Incorporated.

**Sub-Task A-007: Notification Documentation**

The Contractor shall prepare draft documents for the pre-notification (early warning) and final notification (three (3) months prior to issuance of contract) of the DDR (Phase II) to Federal, State and local government agencies.

**Sub-Task A-008: Public Awareness**

The Contractor shall assist the Government in developing a pro-active public awareness strategy. Throughout all Phases the Contractor shall assist the Government (MARAD) in responding to inquiries from the public and communications media.

**Sub-Task 009: Documentation and Reporting**

Although the magnitude of the NS Savannah DDR project is small compared to other DDR projects; the scope of required documentation and reporting may indeed be equivalent. Under this sub-task, it is expected that the Contractor would have in-place and available, as a licensed user, to the Government (MARAD) systems capable of performing the following:

- (a) Management, inventory, storage and retrieval of all generated documentation; both electronic and hard-copy; and
- (b) Preparation of schedules; progress reports; etc. as well as tracking and reporting of cost expenditures status of events, sub-task physical progress, etc.

Note: See Sub-task C-005

**C.3.2 - Phase II - Decommissioning - Industrial Activity (Monitoring and Oversight)**

During this Phase of the DDR Project, it is anticipated that the N.S. Savannah will be physically located at a pier/berth provided by the Government and suitable for light industrial activities. (Note: Need to consider Pier Rail services and suitable weight limits, or a means of transport to suitable rail services.). The shipyard or repair facility will more than likely NOT be the prime Contractor for Phase II of the DDR Project but MAY be a subcontractor to the prime Contractor providing vessel husbanding.

**Sub-Task B-001: Development of Monitoring and Oversight Methodologies and Plans**

The Contractor shall develop a methodology and plan for performing independent third party compliance and performance monitoring and oversight of the prime Contractor and his subcontractors during Phase II of the DDR Project. As a minimum, a methodology and surveillance plan shall be developed for each of the following activities:

**Compliance and Surveillance**

- Personnel Safety and Radiation Exposure
- Nuclear Waste Material Accountability, Custody Transfer, Transportation and Disposal
- Environmental (On-Site/Airborne/Waterborne)
- Work Permitting
- Vessel/Work Site Security and Fire Protection
- Personnel Training and Emergency Response (Fire, Contamination, Exposure)
- Incident Reporting (Exposure/Contamination/Environmental Release/Injuries)
- Regulatory Body Reporting (Federal/State/Local)

**Performance**

- Tracking of Physical Progress versus Invoiced Costs of Phase II
- Reporting of Delays, Field Changes and Cost Over-Runs

	<b>Document No.</b> DTMA1R05020	<b>Document Title</b> SAVANNAH MOS RFC	Page 9 of 15
--	------------------------------------	---	--------------

The methodology and plan shall address procedures, both routine audit and oversight/surveillance at specific frequencies as well as no-notice inspections. For each of the above activities the elements to be monitored shall be identified accompanied by one or more applicable performance or acceptance standards. These shall be an integral part of an inspection/check-off list which will become an integral part of the report(s) to be prepared by the Contractor.

#### Sub-Task B-002: Phase II Contractor Monitoring and Oversight

During the performance of Phase II, the Contractor shall be responsible for implementing the compliance and performance monitoring and oversight and no-notice inspections of the DDR Contractor in accordance with the methodologies/procedures as developed under Sub-Task B-001 and approved by MARAD. This shall include the DDR Contractor's compliance with schedules and sub-task costs using an accepted approach to the Earned Value Management System (EVMS) well as the Contractor's compliance and effectiveness to his Quality Assurance Plan

The Contractor will be responsible for reporting to MARAD, at specified frequencies, the results of the monitoring, oversight and no-notice inspections. The Contractor will have NO authority to direct or interfere with his performance of the DDR contract requirements. However, if at anytime the Contractor detects that the DDR Contractor is in non-compliance where there is risk of injury, exposure or environmental release/damage; it shall be reported IMMEDIATELY to the MARAD COTR.

The Contractor shall report on a bi-weekly basis the results of his monitoring and oversight of the DDR Contractor's performance as related to physical progress and costs (incurred/projected). IMMEDIATE notification shall be provided to the MARAD COTR when there is a potential for cost-overrun or when the incurred and invoiced costs by the DDR Contractor have reached fifty (50) and seventy-five (75) percent of the funds obligated by MARAD to the contract.

The Contractor shall continually assess the physical progress of the DDR Contractor and IMMEDIATELY notify the MARAD COTR when it is suspected that there are insufficient funds (allocated - not necessarily obligated) to complete of the Project.

#### Sub-Task B-003: Regulatory Liaison and Documentation Support

During the performance of the DDR Project, the Contractor shall assist the Government (MARAD) in preparing and/or assembling any documentation and reports required by Federal, State and local Government agencies as may be applicable to the physical process of DDR and the project's Quality Assurance Plan approved by the Nuclear Regulatory Commission.

In addition, the Contractor shall provide the expertise necessary to assist the Government (MARAD) in reviewing and interpreting the documentation and reports prepared by the Contractor.

It is intended that the Contractor will serve as a central repository (originals and/or copies) for all correspondence, reports and documentation generated by all parties during the DDR process (PhaseII). The Contractor shall have in-place a correspondence classification system support this requirement.

### C.3.3 - Phase III - Post Decommissioning (License Terminal and Facility Lay-Up)

#### Sub-Task C-001: License Termination Plan

In support of the desired outcome of license termination for this DDR project; the Contractor shall prepare, submit for review and obtain approval by the appropriate Regulatory agencies and MARAD; the License Termination documents inclusive of plans and procedures encompassing, as a minimum, the following:

- Site (Facility) History (Construction/Operation/Lay-Up)
- Radiological History (Initial Fueling/Refueling/Fuel Removal/Prior Characterization Surveys)
- Overview/Summary of Site (Facility) DDR Activities
- Future Site (Facility) Utilization (Dismantling/Upgrades)
- Final Status Surveys
- Compliance (Radiological Release Criteria) - Unrestricted Use
- Overview/Summary of DRR Costs
- Updated or Supplements to the Environmental Report

#### Sub-Task C-002: Final Radiological Characterization Status Survey

	<b>Document No.</b> DTMA1R05020	<b>Document Title</b> SAVANNAH MOS RFC	Page 10 of 15
--	------------------------------------	---	---------------

Prepare specifications and contract, for the performance of the final radiological characterization status surveys of the vessel (key areas) and decommissioned and remediated areas of the vessel. The DDR prime Contractor SHALL NOT be utilized as a sub-contractor for the performance of these surveys.

Sub-Task C-003: License Termination

As required, assist MARAD in final negotiations (meetings) relating to the termination of the NRC license for the NS Savannah. This may require that preparation of additional documents addressing issues/questions arising from such negotiations/meetings.

Sub-Task C-004: Site (Facility) Facility Lay-Up

Prepare plans and specification for the long-term lay-up and preservation of spaces, equipment and piping systems associated with the radiological spaces and components aboard the NS Savannah. The scope of lay-up/preservation shall address: dehumidification and humidity monitoring (equipment/sensors/ alarming), radiological surveillance (sensors/measurements/tracking/alarming); fire, flooding and intrusion surveillance (sensors/video recording/alarming). Audible and visual alarming shall be provided. Means shall be provided for external (outside) visual indication of an alarmed condition. This shall be "visble" from a distance of one (1) nautical mile on a clear night from the vessel. An external (outside) audible alarm shall be provided such that it can be heard from a distance of not more than one thousand (1,000) feet from the vessel. Alarmed functions shall be integrated into a circuit/system that provides an automatic satellite dial up to one or more designated telephone numbers.

C.3.3 - Phase III - Post Decommissioning (Vessel Lay-Up and License Termination)

Sub-Task C-005: Project Documentation

The final format of any and all project documentation shall be electronic files. This shall include correspondence and attachment thereto; e-mails and attachments thereto; plans and drawings, specifications, reports, cost estimates, surveys, photographs, etc. This need NOT include such documents as Regulatory Body regulations, referenced manuals, instructional guides, brochures, etc.

The Contractor shall assist MARAD in the evaluation and acquisition of a documentation storage and retrieval system. Final selection of the system must be approved by MARAD's Chief Information Officer (CIO). Utilizing this approved software and associated database, the Contractor shall up-load to the database all project documentation. A classification system automatic for coding, labeling and retrieval (search) of this documentation shall be prepared by the Contractor and reviewed and approved by MARAD. Classification system shall enable the association of attached or reference document to the specific piece of correspondence. All documentation stored within the system (database) shall be stored in a file format that DOES NOT permit editing of any document (file) content).

Upon completion of all document (file) uploading:

- (1) A User Manual shall be prepared describing use of the software, database and classification system for retrieval of documentation (files);
- (2) System performance shall be tested and demonstrated to MARAD personnel;
- (3) System (software/database) shall be installed on MARAD designated server(s) and PCs; and
- (4) Five (5) electronic copies of the User Manual shall be provided to MARAD

	<b>Document No.</b> DTMA1R05020	<b>Document Title</b> SAVANNAH MOS RFC	Page 11 of 15
--	------------------------------------	---	---------------

SECTION L -- INSTRUCTIONS, CONDITIONS AND NOTICES TO BIDDERS

L.1 52.237-01 SITE VISIT

APRIL 1984

Offerors or quoters are urged and expected to inspect the site where services are to be performed and to satisfy themselves regarding all general and local conditions that may affect the cost of contract performance, to the extent that the information is reasonably obtainable. In no event shall failure to inspect the site constitute grounds for a claim after contract award.

(a) The clauses at 52.236-2, Differing Site Conditions, and 52.236-3, Site Investigations and Conditions Affecting the Work, will be included in any contract awarded as a result of this solicitation. Accordingly, offerors or quoters are urged and expected to inspect the site where the work will be performed.

(b) An organized site visit has been scheduled for--

September 27, 2005 at 8AM. No earlier than 7:30 AM

(c) Participants will meet at--

James River Reserve Fleet (JRRF), FT EUSTIS, VA (Newport News, Virginia).

	<b>Document No.</b> DTMA1R05020	<b>Document Title</b> SAVANNAH MOS RFC	Page 12 of 15
--	------------------------------------	---	---------------

## SECTION M -- EVALUATION FACTORS FOR AWARD

### M.1 EVALUATION FACTORS FOR AWARD.

#### PART IV - REPRESENTATIONS AND INSTRUCTIONS SECTION M EVALUATION FACTORS FOR AWARD

This is a best value, single award acquisition. The Government intends to award one contract to the offeror deemed responsible in accordance with Federal Acquisition Regulation (FAR). The Government will award to the responsible offeror whose offer conforming to the solicitation is most advantageous to the Government, price and other factors considered. Listed below are the evaluation factors for this solicitation:

- (1) Past Performance
- (2) Technical; and
- (3) Price

Past performance and technical is significantly more important than price and tradeoffs are permitted with past performance and/or technical and price.

The Offeror must furnish adequate and specific information in its response. A proposal will be eliminated from further consideration before the initial assignment of ratings/scores if the proposal is so obviously deficient as to be totally unacceptable. For example, a proposal will be deemed unacceptable if it does not represent a reasonable initial effort to address itself to the essential requirements of the RFP, or if it clearly demonstrates that the Offeror does not understand the requirements of the RFP. In the event a proposal is eliminated from further consideration/evaluation, a notice will be sent to the Offeror stating the reason(s) the proposal was rejected.

The Government intends to evaluate proposals and award a contract without discussions with an offeror (except clarifications as described in FAR 15.306(a)). Therefore, the offeror's initial proposal should contain the offeror's best terms from price and technical standpoint. The Government reserves the right to conduct discussions if the Contracting Officer later determines them necessary. If the Contracting Officer determines that the number of proposals that would otherwise be in the competitive range exceeds the number at which an efficient competition can be conducted, the Contracting Officer may limit the number of proposals in the competitive range to the greatest number that will permit an efficient competition.

The Government reserves the right to reject any or all offers if such action is in the Government's best interests.

#### FACTOR 1: PAST PERFORMANCE

The Government will assess each offeror's past performance. Past performance will be evaluated as a performance risk factor as described in AFFARS 5315.305.

All Offeror's MUST possess some level of direct or indirect past performance on DDR type projects.

Past performance information shall include information on all US Government contracts, or commercial contracts. Past Performance information shall be both recent and relevant. Recent refers to those contracts completed within the past 5 years of like requirements. Relevant refers to those projects similar in size, scope, and nature for the requirements of this solicitation. Offeror should limit there past performance to a maximum of 5 performance information. Past performance information should include:

1. Contract number:
2. Organization the contract was with:
3. Contract price:
4. Multi-year contract: Yes / No
5. If yes, number of years and basic year period:
6. Name of contract POC:
7. Telephone number of contract POC:
8. E-mail address of contract POC:

	<b>Document No.</b> DTMA1R05020	<b>Document Title</b> SAVANNAH MOS RFC	Page 13 of 15
--	------------------------------------	---	---------------

9. Is the contract completed? :

Past performance information should be submitted to the address in block 9 of this solicitation.

The offeror shall provide written evidence of contractor's past experience. The contractor's experience can be commercial and/or governmental. The information as required in items 1-9, under the Past Performance Factor, will be used to evaluate acceptability under this factor.

The Government may base its judgment about the quality of an offeror's past performance on (1) records of objective measurements and subjective rating of specified performance attributes, if available, and (2) statements of opinion about the quality of specific aspects of an offeror's performance, or about the quality of an offeror's overall performance. Each offeror will be evaluated on their performance under existing and prior contracts for similar products or services. The government may solicit information from an offeror's customers and business associates, Government agencies and from other persons and organizations. The Government reserves the right to limit the number of references it decides to contract and to references other than those provided by the offeror.

The performance attributes which the Government will assess may include, for example: the offeror's record of conforming to contract requirements; the offeror's reputation for good workmanship; the offeror's record of forecasting and controlling costs; the offeror's record for adhering to contract schedules; the offeror's reputation for reasonable and cooperative behavior and commitment to customer satisfaction; and generally, the offeror's reputation for demonstrating a business-like concern for the interests of its customers.

During evaluations, the Government will assign each proposal on of the following overall past performance confidence assessment ratings:

Exceptional/High Confidence	Based on the offeror's performance record, essentially no doubt exists that the offeror will successfully perform the required effort
Very Good/Significant Confidence	Based on the offeror's performance record, little doubt exists that the offeror will successfully perform the required effort.
Satisfactory/Confidence	Based on the offeror's performance record, some doubt exists that the offeror will successfully perform the required effort.
Neutral/Unknown Confidence	No performance record identifiable (see FAR 15.305(a)(2)(iii) and (iv)).
Marginal/Little Confidence	Based on the offeror's performance record, substantial doubt exists that the offeror will successfully perform the required effort. Changes to the offeror's existing processes may be necessary in order to achieve contract requirements.
Unsatisfactory/No Confidence	Based on the offeror's performance record, extreme doubt exists that the offeror will successfully perform the required effort.

The Government assigns past performance confidence assessment ratings through an integrated analysis of those risks and strengths the Government identifies in the offeror's recent, current, and relevant contract performance. The Government will place more weight and consideration on more relevant and recent past performance information. Essentially, the past performance assessment is the Government's confidence, based on the offeror's performance record, that the offeror will successfully perform the required effort in accordance with the contract and its proposal.

**FACTOR 2: TECHNICAL**

During evaluations, the Government will assign each proposal on of the following overall technical confidence assessment ratings, based on the technical criteria listed below:

Exceptional/High Confidence	Based on the offeror's proposal, essentially no doubt exists that the offeror will successfully accomplish the full scope of technical requirements.
Very Good/Significant Confidence	Based on the offeror's proposal, little doubt exists that the offeror will successfully accomplish the full scope of technical requirements.

	<b>Document No.</b> DTMA1R05020	<b>Document Title</b> SAVANNAH MOS RFC	Page 14 of 15
--	------------------------------------	---	---------------

Satisfactory/Confidence	Based on the offeror's proposal, some doubt exists that the offeror will successfully accomplish the full scope of technical requirements.
Marginal/Little Confidence	Based on the offeror's proposal, substantial doubt exists that the offeror will successfully accomplish the full scope of technical requirements. Changes to the offeror's existing processes may be necessary in order to achieve contract/technical requirements.
Unsatisfactory/No Confidence	Based on the offeror's proposal, extreme doubt exists that the offeror will successfully accomplish the full scope of technical requirements.

(1) Technical/Management Evaluation Criteria:

The following criteria in descending order of importance (value) will be evaluated so as to assess the Offeror's ability to accomplish the full scope of technical requirements and assess the level of quality of the Offeror's performance of these requirements.

(a) Understanding of Requirements

The Technical Evaluation Team (TET) will evaluate an Offeror's understanding of the requirements relative to the following sub-criteria:

- (1) Comprehensiveness of the technical scope of activities (sub-tasks) for each Phase of the project, inclusive of those identified by the Government (MARAD) in Section C.
- (2) Quality, clarity and completeness of sub-task descriptions.
- (3) Thoroughness and reasonableness of the approach and methodology to accomplish the direct support and Contractor oversight requirements of the project as related to one or more of the following:
  - Business and Project Management
    - Planning and Scheduling
    - Resources Allocation
    - Integration and Coordination (Contractor/Subcontractors)
  - Personnel and Environmental Monitoring and Surveillance
  - Compliance and Reporting (Regulatory/Safety/Work Permitting)
  - Quality Assurance
  - Documentation Management
- (4) Type, utilization, adequacy and availability (access) of software systems to support Offeror's approach and methodology as well as project and documentation management.

(b) Corporate Qualification/Experience

The Technical Evaluation Team (TET) will evaluate an Offeror's qualifications and experience relative to the following sub-criteria:

- (1) Management support and oversight services of other DDR projects.
- (2) Direct and/or indirect support in one or more areas of DDR projects.
- (3) Licenses and certifications.
- (4) Integration and coordination of multi-phase/multi-participants/multi-faceted projects.

(c) Professional Qualification and Experience

The Technical Evaluation Team (TET) will evaluate each of the Offeror's identified senior staff personnel designated for this project. Their education, experience, and prior assignments (roles/responsibilities) will be evaluated to assess their suitability for the position identified in the Offeror's technical/management proposal. The MARAD mandated key personnel, Project Manager and Safety

	<b>Document No.</b> DTMA1R05020	<b>Document Title</b> SAVANNAH MOS RFC	Page 15 of 15
--	------------------------------------	---	---------------

Officer, will be weighted significantly higher than other senior staff personnel. The Project Manager will be weighted higher than the Safety Officer.

(d) Business/Cost Proposal Evaluation

The Government (MARAD) will evaluate each Offeror's proposed costs for realism, reasonableness and completeness for each Phase of the project. The evaluation of cost realism includes an analysis of specific elements of each Offeror's proposed cost estimate to determine whether the proposed estimated cost elements are realistic for the work to be performed, reflect a clear understanding of the requirements, and are consistent with the methods of performance and materials described in the Offeror's technical/ management proposal. The result of these evaluations shall be used to determine the most probable cost to the government for ALL three (3) Phases of the project.

**FACTOR 3: PRICE**

Price will be evaluated to determine realism and reasonableness of each offeror's overall proposal. Each offeror's overall understanding of the project and adequate coverage of operating expenses and bonding will be evaluated in this area. Price will not be rated. Proposed prices will be evaluated using the price analysis techniques prescribed in FAR 15.404-1(b) to determine price reasonableness.

A written notice of award or acceptance of an offer, mailed or otherwise furnished to the successful offeror within the time for acceptance specified in the offer, shall result in a binding contract without further action by either party.