

**ORDER FOR SUPPLIES OR SERVICES**

**IMPORTANT: Mark all packages and papers with contract and/or order numbers.**

1. DATE OF ORDER 04/23/2007	2. CONTRACT NO. (If any)	6. SHIP TO:		
3. ORDER NO. DTMA1A07007	4. REQUISITION/REFERENCE NO.	a. NAME OF CONSIGNEE No Shipping Information		
5. ISSUING OFFICE (Address correspondence to) DOT/MARITIME ADMINISTRATION 400 Seventh Street, S.W., Room 7310  Washington DC 20590		b. STREET ADDRESS		
		c. CITY	d. STATE	e. ZIP CODE
7. TO:		f. SHIP VIA		
a. NAME OF CONTRACTOR <b>Keith Mahosky</b>		8. TYPE OF ORDER		
b. COMPANY NAME <b>Enercon Services INC</b>		<input type="checkbox"/> a. PURCHASE <input checked="" type="checkbox"/> b. DELIVERY - Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.		
c. STREET ADDRESS <b>5100 E Skelly Drive STE 450</b>		REFERENCE YOUR:  Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.		
d. CITY <b>Tulsa</b>	e. STATE <b>OK</b>	f. ZIP CODE <b>74135-6547</b>		
9. ACCOUNTING AND APPROPRIATION DATA		10. REQUISITIONING OFFICE DOT/Maritime Administration, MAR-610		

11. BUSINESS CLASSIFICATION (Check appropriate box(es))			
<input type="checkbox"/> a. SMALL	<input checked="" type="checkbox"/> b. OTHER THAN SMALL	<input type="checkbox"/> c. DISADVANTAGED	<input type="checkbox"/> d. WOMEN-OWNED
12. F.O.B. POINT Destination	14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE (Date)	16. DISCOUNT TERMS
13. PLACE OF			10 days % 20 days % 30 days % days %
a. INSPECTION Government	b. ACCEPTANCE Government		

17. SCHEDULE (See reverse for Rejections)

ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QUANTITY ACCEPTED (g)
	<b>SEE LINE ITEM DETAIL</b>					

SEE BILLING INSTRUCTIONS ON REVERSE	18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.		17(h) TOT. (Cont. pages)
	21. MAIL INVOICE TO:				
	a. NAME No Invoice Information				
	b. STREET ADDRESS (or P.O. Box)				
	c. CITY	d. STATE	e. ZIP CODE		17(i) GRAND TOTAL

22. UNITED STATES OF AMERICA BY (Signature) 	23. NAME (Typed) M. E. Simmons TITLE: CONTRACTING/ORDERING OFFICER
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<b>Terms and Conditions</b>	<b>Document Number</b> DTMA1A07007	<b>Description</b> Health Physics Services	<b>Creation Date</b> 04/19/2007	<b>Page</b> 3 of 3
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**Period of Performance**

Start date: 04/23/2007                      End date: 12/31/2009

**Limits**

Not to Exceed Call: 400,000.00

Authorized Limit: 400,000.00

**Catalog**

Name:

Number:

Description of Agreement - This is a Blanket Purchase Agreement (BPA) for health physics services for routine monitoring and radiological surveys support for routine operations and inspections on the Nuclear Ship SAVANNAH. The N.S. SAVANNAH is in the process of preparing for SAFSTOR and meeting current license compliance requirements. Generally, shipboard industrial efforts are limited in size and scope to ensure license compliance and surveillance requirements. (See Statement of Work) The period of performance is Issuance of Award through December 31, 2009 unless otherwise modified by the Contracting Office.

Extent of Obligation - The Government is obligated only to the extent of authorized purchases actually made under this BPA.

Purchase Limitation - There is a maximum limitation of this BPA \$400,000. The single purchase limit is the Contracting Officer's Warrant Limit.

Individuals Authorized to Purchase under the BPA - The following is the list of individuals authorized under this BPA:

MARAD, Office of Acquisition, MAR 380

See SOW for detailed description of services required to be performed for this BPA.

## **Scope of Work: Health Physics Services**

### **1. SCOPE OF WORK**

The contractor shall provide the necessary Health Physics (HP) support services to facilitate routine surveillance and monitoring of the N.S. SAVANNAH (NSS) during the period of performance. Specific activities shall include but not be limited to the following:

1. Act as the Licensee's Radiation Safety Officer,
2. Perform routine and job specific surveys on board NSS,
3. Prepare routine and job specific Radiation Work Permits (RWP) in accordance with NSS Radiation Protection Plan (Draft) (GFI 4.1),
4. Provide external personnel monitoring support services,
5. Perform and support technical specification surveillances in accordance with N.S. SAVANNAH Technical Specifications (GFI 4.2),
6. Support and monitor effluent releases and calculate off-site dose as appropriate,
7. Survey, support and classify radioactive waste shipments (waste, samples and etc), as required,
8. Survey materials for free-release as required,
9. Ensure and provide adequate radiological supplies for NSS work:
10. Provide calibrated radiological instrumentation to support the above tasks (it is anticipated that this shall include dose rate meters, count rate meters, friskers, and air samplers).
11. Provide the capability to calibrate N.S. SAVANNAH SERAT radiation surveillance equipment (see GFI 4.3)
12. Provide technical input and draft radiological control procedures.

### **2. ADMINISTRATIVE REQUIREMENTS**

#### **2.1 Personnel Qualifications**

All supervisors and technicians providing support under this contract shall meet or exceed the requirements of ANSI 18.1 qualifications.

#### **2.2 Quality Assurance Program**

The contractor shall provide MARAD access, upon 3-days notice, to Health Physics personnel qualifications and applicable QA program/ plan /procedures. Contractor shall follow the requirements of NS Savannah's Quality Assurance Manual STS-003 (GFI 4.4). NSS QA personnel may perform monitoring, assessments and audits on tasks and documentation performed associated, generated and supporting this Statement of Work.

#### **2.3 Schedule**

The majority of work shall be conducted onboard the N.S. SAVANNAH in support of shipboard activities not to exceed 40-hour work week per person on a 5-days per week basis. Labor pricing shall be provided as an hourly rate. Over-time rates for all positions proposed for on-site work shall be provided.

The government will provide a quarterly activity schedule and updates where appropriate to allow for necessary planning and scheduling on the part of the contractor. At minimum, the contractor shall plan for one site visit to the N.S. SAVANNAH on a quarterly basis to conduct Technical Specification surveillances.

## **2.4 Travel**

Directed Travel shall be reimbursable subject to Federal Travel Regulations (FTR).

## **2.5 Points of Contact**

The Technical Point of Contact for this Contract/ will be provided at time of call(s)Functional Requirements

## **2.6 Period of Performance**

2.6.1 PERIOD OF PERFORMANCE FOR THE FOLLOWING IS: AWARD THROUGH 31 DECEMBER 2009.

2.6.2 [RSO ONLY]: PERIOD OF PERFORMANCE IS: AWARD THROUGH 31 DECEMBER 2009.

## **2.7 Assumptions**

The following assumptions shall be used as necessary in determining estimated costs for executing services under this contract:

1. Emergent Health Physics services requests will be made with 7 days advance notice.
2. Routine services shall be scheduled in accordance with government published activity schedules.
3. Assume one week per month aboard the N.S. SAVANNAH for Routine Ship Activities.
4. Assume the SAVANNAH Technical Staff and License support personnel number approximately 20 people for the purposes of cost of cost estimating.
5. Assume that only dry-activated waste will be generated during the period of performance and one waste shipment during the performance period.
6. Assume one annual meeting of the Review and Audit Committee to take place onboard or in the vicinity of the N.S. SAVANNAH.
7. Assume one RAC telephone conference per quarter lasting approximately two hours in length.
8. Assume STS Working conferences take place over a 3-day period, excluding travel time, and occurring once every two months onboard or in the vicinity of the the N.S. SAVANNAH.
9. Assume STS Team Status telephone conferences on a bi-weekly basis. Each conference call is estimated to last approximately 2-hours (maximum).

### **2.7.1 WORK AUTHORIZATION**

Authorization to perform work shall be based on call with man-hour estimates and Other Direct Costs estimates.

## **2.8 Instrumentation Calibration**

Conduct calibration services of NSS Emergency Response Assessment Team (SERAT) survey equipment for equipment listed in GFI 4.3 below. Calibration certificates shall be provided as deliverables.

## 2.9 Health Physics Services

### 2.9.1 PROVIDE THE FOLLOWING GENERAL RADIATION CONTROL SUPPORT

The contractor shall provide Health Physics Services to support the following types of activities in accordance with the NSS Radiation Protection Plan (Draft), GFI 4.1:

1. Ship Movement – Whenever the ship is moved from one berth or facility to another, take water and sediment samples at both locations to document the departure site, and establish the baseline of the arrival site for all ship movements that may occur during the performance period. Baseline samples must be taken prior to the ship's arrival.
2. Drydocking– Perform radiation surveys of the ship's exterior and underwater hull while it is on drydock. A technical procedure for this activity is in preparation, and will be provided when complete.
3. Routine Ship Activities – The contractor shall prepare and supply survey data, and RWPs, in support of scheduled activities.
4. Waste Management – The contractor shall provide survey support to monitor effluent releases and calculate off-site dose as appropriate. The contractor shall also provide support services necessary for survey, classification or free-release of radioactive materials and waste.
5. Instrumentation – Provide calibrated radiological instrumentation to support the above activities.
6. Provide area and external personnel monitoring of contractor personnel and SAVANNAH Technical Staff and License Support Personnel in support of the above activities.
7. Consumable Materials – Provide consumable materials such as smear papers and disposable protective clothing for contractor personnel and NSS Technical Staff and License Support Personnel in support of the above activities.
8. Sample Analysis - The contractor shall be capable of analyzing any of the samples necessary to perform the assigned tasks under this contract.

### 2.9.2 EQUIPMENT CALIBRATION SERVICES

Calibrate as necessary NSS Emergency Response and Assessment Team radiological instrumentation as listed in GFI 4.3.

### 2.9.3 RADIOLOGICAL CONTROL PROCEDURES

The contractor shall draft, submit for review and approval procedures necessary to perform contracted activities in accordance with the N.S. SAVANNAH Quality Assurance Plan and Health Physics Manual.

## 2.10 Radiation Safety Officer (RSO)

### 2.10.1 PERSONNEL QUALIFICATIONS

The RSO should, at a minimum, meet the qualifications of Radiation Protection Manager, as stated in ANSI 18.1 and as applicable to the N.S. SAVANNAH. The RSO is designated as **Key Personnel**.

### 2.10.2 DUTIES AND RESPONSIBILITIES

The Radiation Safety Officer (RSO) is responsible for providing radiological controls necessary to support NSS activities as stated in this contract. This include the responsibilities as stated in Radiological Procedures, the

supervision and scheduling of radiological control technicians and the execution of the NSS Radiological Protection Program in accordance with the NSS Radiation Protection Plan (RPP) and the QA Plan. The execution of this service will involve frequent communications with MARAD STS including participation in weekly conference calls and monthly staff meetings, as necessary.

#### 2.10.3 REVIEW AND AUDIT COMMITTEE

The RSO serves as a member of the N.S. SAVANNAH Review and Audit Committee (RAC) and will be required to attend and participate in RAC meetings. There may be other RAC telephone conferences.

### **3. DELIVERABLES**

All data, instrument calibration certificates and personnel qualification records, used or generated in the course of performing contract services, shall be provided for each deliverable submitted under this contract.

#### **3.1 Radiation Work Permits**

Due ..... 24-hour prior to commencement of work

#### **3.2 Radiation Survey Records**

Due ..... 24-hours after survey

#### **3.3 Technical Specification Surveillance Reports**

Due ..... 30-days after survey

#### **3.4 Waste Management Surveys**

Waste Survey and Classification Due ..... 24-hours prior to schedule ship date.

Waste Survey of Shipment/Vehicle Due..... 24-hours after generation

#### **3.5 SERAT Equipment Calibration Certificates**

Due ..... As Completed

#### **3.6 Radiological Control Procedures**

Due ..... 30-days prior to implementation

### **4. GOVERNMENT FURNISHED INFORMATION**

#### **4.1 STS-xxx – Radiation Protection Plan (Draft)**

#### **4.2 STS-004 – N.S. SAVANNAH Technical Specifications**

#### **4.3 List of SERAT Radiation Monitoring Equipment and Calibration Dates**

#### **4.4 STS-003 – N.S. SAVANNAH Quality Assurance Program**

## MCL.I-2 BPA TERMS

AUGUST 2005

Description of Agreement - This is a Blanket Purchase Agreement (BPA) for health physics services for routine monitoring and radiological surveys support for routine operations and inspections on the Nuclear Ship SAVANNAH. The N.S. SAVANNAH is in the process of preparing for SAFSTOR and meeting current license compliance requirements. Generally, shipboard industrial efforts are limited in size and scope to ensure license compliance and surveillance requirements. (See Statement of Work) The period of performance is Issuance of Award through December 31, 2009 unless otherwise modified by the Contracting Office.

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MARAD, Office of Acquisition, MAR 380

See SOW for detailed description of services required to be performed for this BPA.

Delivery Tickets - All shipments under this agreement, except those for newspapers, magazines, or other periodicals, shall be accompanied by delivery tickets or sales slips that shall contain the following minimum information:

- (i) Name of supplier.
- (ii) BPA number.
- (iii) Date of purchase.
- (iv) Purchase number.
- (v) Itemized list of supplies or services furnished.
- (vi) Quantity, unit price, and extension of each item, less applicable discounts (units and extensions need not be shown when incompatible with the use of automated systems, provided that the invoice is itemized to show this information).
- (vii) Date of delivery or shipment.

Invoices - A summary invoice shall be submitted at least monthly or upon expiration of this BPA, whichever occurs first, for all deliveries made during a billing period, identifying the delivery tickets covered therein, stating their total dollar value, and supported by receipt copies of the delivery tickets.

**Billing Information:**

MARAD is in the process of consolidating all accounts payable functions to the Enterprise Services Center in Oklahoma City. Effective January 1, 2007, all payment requests should be sent to one of the new addresses list below.

Please update the billing address for all MARAD commercial payment accounts to reflect the following new addresses:

U.S. MAIL  
MARAD A/P Headquarters Invoices  
Branch, AMZ-150  
PO Box 25710  
Oklahoma City, OK 73125

FEDEX  
MARAD A/P Headquarters Invoices  
Branch, AMZ-150  
6500 S MacArthur Blvd.  
Oklahoma City, OK 73169

In addition, all commercial vendors will have the option to send payment requests electronically. The payment requests must be in PDF format. Vendors can submit electronic payment requests to the following email address:

MARADInvoices@FAA.GOV

In order to be considered valid, payment requests shall include the following information:

Payment Request Date:  
Supplier Name:  
Payment Request Amount:  
Payment Request Number:  
Contract#/Purchase Order #:  
Task Order #:  
Modification #:  
Terms/Discount:  
Performance Period:  
Notes:

Congressional legislation mandates that after January 1, 1999 all Federal payments, including vendor payments, must be made electronically. The U.S. Department of the Treasury's Financial Management Service (FMS) PAID system provides participating Federal agencies a method of making remittance information available to their vendors through the Internet. Please refer to the attached document for more information on PAID. The following link will provide you with additional information on the PAID system.

Website: <https://fmsapps.treas.gov/paid/>

For inquiries, please contact the Accounts Payable Branch, AMZ-150 at telephone number 405-954-2223 – Justin Breeden/  
Kelly Nelson (405) 954-2178.