



# **REQUEST FOR PROPOSAL**

**THIS IS NOT AN ORDER**

**SUBJECT:** REQUEST FOR PROPOSAL NUMBER: **RP- 8296**  
AMENDMENT NUMBER:  
PRIME CONTRACT NUMBER: DE-EM0003760, Dept. of Energy

Your company is invited to submit a proposal for the work described in this solicitation. Please review the below information and the attached documents for complete information on submittals.

## **GENERAL INFORMATION:**

**Solicitation Date:** March 22, 2018  
**Solicitation Due Date:** April 5, 2018  
**Type of Subcontract/Order:** Fixed Price  
**Contracting & Procurement Manager:** Granda Humphrey Phone: 865-574-2893 Fax: 865-574-2890

**Proposal Validity:** Offers shall remain valid for a period of 90 days from the Solicitation Due Date. Unless otherwise noted, offers shall be considered valid for the requested period.

## **INSTRUCTIONS TO OFFERORS:**

### **SUBMITTAL:**

Proposals shall be submitted to Granda Humphrey at 100 WIPP Road, Lenoir City, TN 37771.  
Offers shall consist of one (1) original with pricing.

The Proposal due date is Thursday April 5, 2018 by CLOSE OF BUSINESS (5:00 P.M. Eastern Standard Time).

### **EVALUATION CRITERIA:**

The proposals are to be evaluated using the following evaluation criteria. The listing below designates no order of precedence, as each proposal shall be evaluated for responsiveness, responsibility, completeness of bid appraisal data, and overall best value to North Wind Solutions, LLC.

\* Completeness and responsiveness of proposal and a demonstration of an understanding of the project requirements, compliance with quality assurance/control, a demonstration of the capability to meet the schedule requirements, and lowest price technically acceptable.

RFP Number
<b>RP-8296</b>

# REQUEST FOR PROPOSAL

**THIS IS NOT AN ORDER**

Item	Quantity	U/M	Description	Unit Price	Extended Price
1	1	Lot	<p>Fabricate, inspect, test and deliver Metal Oxidation Glovebox Tantalum Liner and accessories in accordance with Exhibit A-1 (Statement of Work, including attachments), Exhibit B-1 (Price Form), and Terms and Conditions attached herein.</p> <p><b>ATTACHMENTS:</b></p> <p>Section II            Terms and Conditions            Exhibit A-1        Statement of Work            Attachment 1     Subcontractor Document Requirements            Attachment 2     Quality Specification            Exhibit A-3        Technical Specifications            Exhibit A-4        Technical Drawings            Exhibit A-13      DOE Directives/Orders            Exhibit B-1        Price Form            Exhibit C           Insurance Requirements            Exhibit F           Representations and Certifications</p> <p><b>NOTE:</b>  <b>Proposal may be emailed to the attention of Granda Humphrey at <a href="mailto:granda.humphrey@truproject.com">granda.humphrey@truproject.com</a> or if the file is too large, please send to the following Hightail Drop Box: <a href="https://spaces.hightail.com/uplink/ErPltfkfw6">https://spaces.hightail.com/uplink/ErPltfkfw6</a>.</b></p> <p><b>All Bidders/Vendors must be registered in SAM (System for Award Management) prior to award. The website address is <a href="http://www.SAM.gov">www.SAM.gov</a>.</b></p>		

**OFFEROR'S INFORMATION RESPONSE:**

PLEASE COMPLETE AND RETURN THE FOLLOWING WITH YOUR SUBMITTAL

FOB Terms: \_\_\_\_\_

Point of Shipping: \_\_\_\_\_ Type of Transportation: \_\_\_\_\_

Est. Shipping/Freight Cost: \_\_\_\_\_

FIRM NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_ DATE \_\_\_\_\_

PRINTED NAME & TITLE: \_\_\_\_\_



**TRU Waste Processing Center  
Lenoir City, Tennessee**

**GENERAL STATEMENT OF WORK (SOW)  
TO FABRICATE THE  
SWSA 5 METOX GLOVEBOX  
TANTALUM LINER**

**EXHIBIT A-1  
STATEMENT OF WORK  
Rev. 0**

**NOTICE**

This is a request for proposal (RFP) only. Any references to a subcontract or purchase order herein refer to the procurement documents to be prepared later with the award of the Work by the Buyer to a selected Seller. This Statement of Work (SOW) and the documents referenced herein specify requirements applicable to the requested proposal and the post-award Work. The Seller is expected to fulfill the requirements herein applicable to the proposal to qualify and compete for the selection by the Buyer of the Seller to perform the Work.

**INTRODUCTION**

The United States Department of Energy (DOE) has contracted under Contract No. DE-EM0003760 with North Wind Solutions (the "Prime Contractor") to continue processing OREM legacy CH- and RH-TRU wastes including physical preparation, repackaging and certification. The Project, known as the TRU Waste Processing Center (TWPC), involves the designing, licensing and permitting, constructing, testing, and operating of a TRU/Alpha LLW Waste processing facility in the Melton Valley area of the Oak Ridge National Laboratory (ORNL). Operating activities at the TWPC will include the retrieval, treatment and packaging of TRU/Alpha low-level radioactive waste for offsite disposal. The TWPC operates under an Environmental Management System in accordance with ISO 14001:2004 standards.

All communication with the DOE or any other agencies pertaining to this subcontract shall be conducted through North Wind Solutions (NWSol).



## 1.0 SCOPE OF WORK

The Seller's Work includes the fabrication, inspection, testing and delivery of the Metal Oxidation Glovebox Tantalum Liner and accessories ("the Work") in strict compliance with the T-CH-FW-D-ME-108 and in accordance with the Buyer-approved Seller's Quality Management System. All requirements of the drawing set and procurement documents shall be completed as indicated. Quantities shall be in accordance with the procurement documents.

The Seller is encouraged to develop cost savings features accordingly and fully describe same in the offer.

### 1.1 Submittals

Seller documents shall be submitted according to the requirements of the Subcontractor Document Requirements Form (Attachment 1 to this SOW). Submittals will be tracked using this form.

**NOTE:** Supplier documents required to be submitted in accordance with Attachment 1 should be sent to:

**SUPPLIER DOCUMENT MANAGEMENT  
NWSol / TRU Waste Processing Center  
100 WIPP Road  
Lenoir City, Tennessee 37771**

**No supplier documents are to be sent with shipment unless specifically identified in Attachment 1.**

Alternately emailed to [Steve.Cox@truproject.com](mailto:Steve.Cox@truproject.com)

### 1.2 Quality Assurance

The Seller shall submit a Quality Assurance (QA) plan for approval with bid that describes the quality assurance policies, practices and processes to be implemented in identifying, controlling, and verifying quality of design, fabrication, assembly, and testing.

The QA plan shall address the definite assignment of responsibility for quality assurance, including the specific quality control activities.

The QA plan shall address procedures for procurement reporting, record keeping, corrective action, approval of changes and deviations, document control, calibration of test equipment, in-process controls, control of non-conformances, material identification and control, internal auditing, and special processes.

The QA plan shall address the training, qualification, and certification of personnel.



### **1.2.1 Quality Assurance Submittals**

With Bid

- Quality Assurance Program Manual

Pre-Award for Approval

- Quality Assurance Plan
- Quality Assurance Program Implementing Procedures (Available upon request)

The items above shall be used to perform a desk-top assessment of the Seller's Quality Assurance Program relative to addressing and complying with requirements of the solicitation. The performance of an on-site assessment of the Seller's implementation of their stated program may be performed as deemed necessary.

Post Award for Approval, as applicable

- Material Control Procedure
- Welder Qualifications
- NDE Technician Qualifications
- Alternates for approval as noted (see T-CH-FW-D-ME-108, sheets 1 and 2)
- Welding Procedure Specification and Qualification
- Manufacturing/Fabrication Travelers for assignment of hold/witness points
- In-process Inspection and Test plans and procedures

Final Fabrication and Assembly

- Final Assembly Inspection and Test Plan and procedures

Approval to Release for Shipment

### **1.3 Examination, Testing and Inspection**

The Seller shall be responsible for administration and performance of all required tests, inspections, and examinations. The tests, inspections, and examinations shall comply with the requirements of this specification. The right is reserved to witness any of the inspections, tests, or examinations specified where deemed necessary to ensure that supplies and services conform to the requirements.

The Seller shall supply a written notification seven (7) calendar days prior to the start of examination, testing, or inspection activities.

All test, inspection, and/or examination reports prepared by the Seller shall contain the following information as a minimum:



- Job Title;
- Date of Test;
- Identify Equipment/System;
- Specific test, inspection, and/or examination performed including the procedure identification (number or alphanumeric & revision);
- Identification of measuring & test equipment and when applicable, calibration due date;
- Test Results; and
- Signature or initials of the person performing the test and his/her qualifications, and date of test (use of initials shall be traceable to a record signature & initial document).

### **1.3.2 Commercial Grade Dedication**

The Buyer has determined that the Tantalum Liner performs a safety-related function, meaning these items will be controlled by the Buyer's ASME NQA-1 nuclear quality assurance program. The Buyer recognizes that potential Sellers do not maintain a nuclear quality assurance program and as such, can only provide the items as commercial grade; therefore, the Buyer will dedicate these items for safety-related use with emphasis on the Seller's Control of Critical Characteristics as defined by the Buyer.

As part of the dedication process, the Buyer may perform a performance-based evaluation (i.e. commercial grade survey) of Seller's commercial quality assurance program and procedures to demonstrate that dimensions and material properties are controlled and that the Seller has the capability to consistently manufacture the items in accordance with the approved fabrication drawing. This performance-based evaluation shall be done in accordance with the Seller's QA Manual and this SOW. Additionally, Buyer's QA representatives may conduct source inspection to witness the manufacturing and associated testing processes of the Tantalum Liner manufactured at the Seller's facility. Subsequently, Buyer's QA personnel shall be granted the right of access to witness the manufacturing of any additional Tantalum Liners, if ordered by the Buyer.

The Buyer's QA representatives shall conduct Special Tests, Inspections and Analyses upon or after receipt of the items to verify conformance with the acceptance criteria for the identified critical characteristics. Some special tests and inspections will likely be performed by third party test labs approved by the Buyer as acceptable for the intended analyses.

### **1.3.3 Buyer's Inspections**

The Seller shall provide access to necessary facilities at the work site for inspection of material certifications, implementing procedures, operator qualifications, weld inspection and NDE personnel qualification/certification records, material fit-ups, machining operations, finished machining, witness tests, and perform related inspections. The right shall be reserved to perform surveillance of work at any time. Inspectors shall have the right to establish hold points for mandatory verification and for witnessing operations.



#### 1.4 Additional Provisions

The Seller shall take notice of the prerequisites (primarily document submittals) identified herein to certain steps or stages of the Work (e.g., before start of fabrication, before start of a process, before shipment, etc.). The Buyer has chosen to emphasize the importance of their satisfaction prior to proceeding through the use of a formal approval to proceed notice(s).

Upon completion of the prerequisites, the Buyer will complete the notice(s) with an authorized signature and date and transmit same to the Seller's contractual representative. **Note that the Seller is authorized with the award of the purchase order to proceed with the Work (i.e. in preparation to shipment) in accordance with the Buyer-approved Seller's schedule**

The Seller shall review the Quality Specification (Attachment 2 to the SOW) and submit to the Buyer the documents that satisfy the identified applicable criteria. The documents may reference various existing Seller procedures and programs.

The Seller shall submit to the Buyer an Export Control Classification Number (ECCN) which states export control purposes.

#### 1.5 Assurances

Seller shall perform high quality work in accordance with the technical specifications and drawings.

Seller shall provide a Certificate of Compliance stating the following: ***“Work provided, under the subcontract complies with requirements of the contract documents and Buyer's approved deviations. Furthermore, there are no Suspect/Counterfeit Items in the Scope of Supply.”***

Buyer may inspect the work in progress, at completion prior to shipment, or upon receipt at the Buyer's site.

#### 1.6 Buyer Provisions

The Buyer will provide the following:

- A signed end use/end user statement on company letterhead at the time the purchase order is issued.
- List of Critical Characteristics
- Schedule of Supplier Quality Evaluations
- Schedule of Commercial Grade Dedication Activities
- Receipt Inspection, including the Special Tests, Inspections and Analyses required for Commercial Grade Dedication



## 1.7 Options

Schedule, see Section 3.0. Provide option pricing for a Tantalum Liners with best expedited delivery.

Provide tantalum sheet (47" Long x W" wide x T" thick) that the Buyer will place beneath the seam at time of installation. The width may be based on Seller's standard material but is expected to be ½ or ¾ inches. The thickness may be based on Seller's standard material but is expected to be 0.020 inches, maximum. Additionally, based on Seller's capabilities the sheet could be spot welded to one section of the liner.

## 2.0 TECHNICAL DOCUMENTS

The documents that form the technical basis for the Work are included in Exhibit A-3 and are listed below. The Work shall be performed using latest versions of the documents. Revisions to the specifications and drawings, if made, will be issued by the Buyer via a Change Order / Amendment to the existing Purchase Order / Subcontract.

All work shall be carried out in strict compliance with the specifications and drawings listed below and all other requirements of the procurement documents.

### 2.1 Specifications (See Exhibit A-3)

<u>Document No.</u>	<u>Rev.</u>	<u>Title</u>
T-CM-FW-S-00-003	4	Subcontractor Document Submittal Requirements
T-CM-FW-S-00-009	1	Operation and Maintenance Data

### 2.2 Drawings (See Exhibit A-4)

<u>Document No.</u>	<u>Rev.</u>	<u>Title</u>
T-CH-FW-D-ME-108, sht 1	0	SWSA 5 Inert Glovebox Tantalum Tray Assembly
T-CH-FW-D-ME-108, sht 2	0	SWSA 5 Inert Glovebox Tantalum Tray Details

For the codes and standards referenced in the specifications and drawings the edition in effect at the time of the solicitation shall be governing edition, unless noted otherwise.

## 3.0 SCHEDULE

The base bid is for the Seller's best un-expedited delivery. The option bid is for the Seller's best expedited delivery. Seller shall provide delivery times in their proposal.





#### **4.0 HEALTH AND SAFETY REQUIREMENTS**

Seller personnel shall wear the following minimum personal protective equipment (PPE) at all times during deliveries or while performing Work at the project site:

- Hard hat;
- Safety glasses conforming to ANSI Z87.1;
- Short or long sleeve shirts (no tank tops);
- Full length work pants (no shorts);
- Protective (i.e. safety-toe) footwear conforming to one of the following standards:
  - ASTM F2413-05 “Standard Specification for Performance Requirements for Foot Protection”
  - ASTM F2413-11 “Standard Specification for Performance Requirements for Protective (Safety) Toe Cap Footwear”
  - ANSI Z41 – 1999 “American National Standard for Personal Protection – Protective Footwear”
- High visibility vest when working laydown area; and
- Hearing protection when required.

Personnel not wearing the appropriate PPE will not be able to work and may be immediately removed from site.

#### **5.0 DELIVERY**

The Work shall be delivered to the Buyer’s facility located at 100 WIPP Road, Lenoir City, Tennessee, 37771.

The Seller shall submit a shipping plan for the Buyer’s approval approximately one week prior to shipment.

Any loose parts shall be boxed or crated to prevent damage during shipment.

The Seller shall be responsible for packing and securing the Work to prevent damage during shipment.

The Buyer reserves the right to reject any equipment upon receipt if the Seller deviates from the approved shipping plan.



The Seller shall furnish to the Buyer two complete sets of inspection, unloading, and installation instructions. One copy of these shall be sent to the Buyer at the time of the notification of shipment. The other copy shall accompany the shipment itself in a weatherproof packet.

The Buyer's contractual contact shall be informed by the Seller of planned delivery. Seller shall also provide delivery details (time of day, weather delays, shipping configuration/method) to the Buyer's engineering management at 865-241-2820.

All Seller personnel requesting entrance to TWPC shall provide some form of picture identification (current driver's license, passport, etc.). Seller shall notify Buyer of any non-US Citizens that will be used in conjunction with the performance of this work (reference Article 26 of Buyer Terms and Conditions – Foreign National Employees). Upon entry into the TWPC Restricted Access Gate (RAG), Seller personnel (including delivery drivers) shall show proof of:

- Valid driver's license (delivery drivers required to provide valid commercial driver's license)
- Registration on the vehicle
- Insurance

Personnel (including delivery drivers) failing to provide above requested documents will be denied access to TWPC.

Deliveries are accepted between the hours of 7:30 a.m. and 3:30 p.m., Monday through Thursday. No deliveries will be accepted on Fridays, weekends, holidays or after hours without prior written approval from Buyer.

## **6.0 PROPOSAL FORM (Applicable to Proposal Only)**

The pricing section of the proposal shall follow the format shown in Exhibit B-1 of this Request for Proposal (RFP). Pricing for all Work identified in this RFP shall be included in the Seller's proposal and included in Exhibit B-1 Fixed Price Form.

Exhibit B-1 also provides space for noting exceptions and alternatives to items or conditions indicated in the Specifications, drawings, terms and conditions, or other requirements of this document. Seller shall have the option of proposing alternatives to the Specifications that result in cost reduction, increased safety, or technical improvements. Buyer shall have the option of accepting or rejecting all proposed alternatives.