REQUEST FOR INTEREST No. ADPM-003
Request For Interest CRITERIA
For
TA-63 TWF Phase B Project
For
NQA-1 Construction Subcontract
Procurement Specialist: Karin Antal
Due Date: June 4, 2012, 2:00 pm M.S.T.

Ref: RFI #ADPM-003
Date: 04, 26, 2012

Los Alamos National Security, LLC (LANS) intends to issue a Request for Proposal (RFP) to procure, construct and commission Transuranic Waste Facility (TWF) storage buildings, operations support building, fire water tank, utilities building, equipment storage building, forklift charging station, utilities, site work and associated infrastructure.

An RFP is planned to be issued during the 1st quarter of fiscal year 2013 (4th quarter of calendar year 2012) to interested companies who can perform NQA-1 contract work. The RFP will be sent to offerors who demonstrate ASME NQA-1 capability. The scope of work details provided below are intended to give potential offerors additional information they may need to decide whether to respond to this solicitation.

To be deemed prequalified and receive the RFP, a potential offeror must provide documentation that clearly demonstrates its ability to meet each element of the Prequalification Criteria set forth below. All information submitted must be organized in a manner that will allow reviewers to easily locate responses to questions and requirements. Information submitted must directly address the Prequalification Criteria below or it may not be considered. Failure to clearly state how the Prequalification Criteria are met, or failure to respond by the due date, may result in a potential offeror not receiving the RFP.

To support the evaluation process, provide the following information:

Potential Offeror Name:	
Business Size Classification:	
Address:	
Contact Name:	
Phone Number:	
Fax Number:	
Email Address:	
DUNS No.:	

Potential Offeror/Teaming Partners/Lower-Tier Subcontractors:

While all aspects of subcontract performance may be accomplished by a single company, a potential offeror may elect to use teaming partner(s), including Lower-tier Subcontractor(s). A determination that a potential offeror is or is not acceptable will be based upon the experience and capabilities of all the potential offeror's teaming partner(s), including Lower-tier Subcontractor(s). A detailed description must be provided of how the potential offeror's team will be comprised, including each company, teaming partner, and Lower-tier Subcontractor that would perform any portion of the on-site work, and demonstrate that the team will meet all of the specified Criteria below. The description of on-site work should include a presentation of the team's conceptual approach to project execution by members of the team. In addressing each of the Criteria, the potential offeror must clearly identify which teaming partner's experience is being cited, consistent with the potential offeror's planned structure for its bid proposal, and demonstrate how the team will operate as a business entity should it receive a subcontract award.

The SUBCONTRACTOR shall perform, with its own organization, Work equivalent to but not less than 30% of the total amount of work. The SUBCONTRACTOR can contract with any third party for the performance of any portion of the Work with the advance written approval of CONTRACTOR (LANS) as long as the Subcontractor is performing not less than 30% of the total amount of work.

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Evaluation of the experience of the proposed offeror shall be limited to that of the Respondent, Lower-tier Subcontractors, and other teaming partners. The experience of parent companies, subsidiaries, or other corporate affiliates will not be considered unless those corporate entities are also a part of the respondent's team and meet all applicable requirements of the Criteria.

If the supporting information provided at the time a proposal is made does not support a "Yes" answer to any of the Criteria questions below, the potential offeror's proposal may be deemed unacceptable and excluded from further consideration.

The content of this request may be duplicated as necessary in order to submit responsive data for all teaming partner(s) and teaming Subcontractor(s). Note that the content of this request must also be used by a successful Subcontractor to submit data if it proposes to substitute a Lower-tier Subcontractor after award.

Data submitted for (Company Name):

This company is proposed as (check one):

☐ Prime Subcontractor

☐ Lower-tier Subcontractor

☐ Teaming Partner

Is this company Large or Small under NAIC Code 236210 Industrial Building Constructions at $33.5 Million:

☐ Large

☐ Small

What dollar amount is this company's Bonding Capacity?

Value:_____

The determination of whether a potential offeror is or is not acceptable will be based upon the capabilities of the company, team or other legal entity that is described in the submission.

Scope of Work:

Scope of Work at TA-63 TWF Phase B:

The TRU Waste Facility (TWF) Project is located in the TA-63 site south of the Puye Road and east of Pajarito Road. It is designed, permitted, will be constructed, and commissioned as Hazard Category (HC)-2 nuclear facilities with a Resource Conservation and Recovery Act (RCRA) permit to store hazardous wastes.

SUBCONTRACTOR is expected to contribute to the foregoing goals and objectives in the following manner: SUBCONTRACTOR shall perform the Work safely, in accordance with CONTRACTOR's Environmental, Health and Safety Program, procure materials, construct the facility meeting the requirements of SD 330 Quality Assurance as a minimum and accepting ASME NQA-1 2008 (ASME NQA-1a-2009) for ML-1,ML-2 and ML-3 selected structures

systems and components (SSCs) and activities in an effort to complete the work with zero accidents and quality performance.

The facility will consist of multiple structural steel buildings for the storage of TRU waste to meet Nuclear Facility requirements for staging of newly generated solid TRU wastes in support of LANL programs and missions. A RCRA-permitted concrete pad will be designed and constructed for characterization and testing trailers that are required to certify containers to the Waste Isolation Pilot Plant (WIPP) Waste Acceptance Criteria (WAC). Other functions provided at the TWF include intra-site shipping and receiving, operational support facilities, and necessary utilities and services.

The overall construction and procurement scope is comprised of, but not limited to:

- Excavation and back fill for the building foundations
- Concrete Placement (facilities, transformers, duct bank, etc)
- Installation and testing of electrical, mechanical, piping and control systems to support functionality of the facilities
- Procure, erect and test, as required:
  - Procure and install six steel Storage Buildings (Safety System)
  - 130,000 Gallon Steel Water Storage Tank (Safety System)
  - Utility Building with Fire pumps (electrical and diesel pump) (Safety System)
  - Seismic Power Cutoff System (Safety System)
  - Operations Support Building (LEED Gold Certified)
  - Equipment Storage Shed
  - Calibration Source & Matrix Module Storage Building
  - Utility Hook-ups for Characterization and Certification trailers (3), provided as GFE
  - Fire Loop and fire protection system (Safety Structure for Storage & Utility buildings, non safety for Operations Support Building)
  - Forklift Charging Station
  - Security Fencing
  - Site upgrades, including mast lighting, lightning protection
  - Asphalt Parking Lot and Access Road
  - Retention Basin for Storm Water Controls/Fire water containment
  - Utility Installation (electric, gas, water, communications)
  - K 12 Vehicle barriers (Safety System)
  - Concrete pad (RCRA permitted area Safety Structure slope to retention basin)

Environmental Safety and Health Plan:

SUBCONTRACTOR will provide a Environmental, Safety and Health Plan that addresses and enforces all requirements set forth in the Occupational Safety and Health Act (OSHA) standards, complying with 10CFR 851, Hazardous Waste Operations under 29 CFR 1910.120 and LANL's Exhibit F for Worker Safety and Health Program.

Subcontracted work will be subjected to LANS Safety oversight. Exhibit F requires the Subcontractor to have a safety representative on site at all times while work is being performed including a Site Specific safety health Plan.

Leadership in Energy and Environmental Design (LEED) Accreditation: (US Green Building Council Standard "LEED 2009 for New Construction and Major Renovations)

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The TRU Waste Facility has a requirement to employ environmental and sustainable elements into the design for the facility. The requirement is for the TRU Waste Facility to attain LEED GOLD rating. The project is defining the structure to meet the LEED GOLD rating for the Operations Support Building. The following items are LEED considerations required by the LEED Certification process.

SUBCONTRACTOR shall employ a full time LEED accredited professional on site for the duration of the construction project. This individual may also fulfill the requirement for a full time Waste Management Coordinator who shall be responsible for implementing, monitoring, and reporting status of waste management work plan. The Waste Management Coordinator shall be present at Project site full time for duration of Project and may also fulfill other duties as required and assigned by his superiors.

It should be noted that there are administrative duties including assembling data, making weekly or monthly reports on the project LEED status, and filling in and uploading LEED Online Templates associated with LEED "Construction Credits".

It is imperative that all the record keeping and weekly reporting and LEED Online duties be assigned to the SUBCONTRACTOR, and that the Design team and the Owner require there to be at least one LEED Accredited Professional on the Subcontractor's staff that understands LEED and can manage all these activities. Anticipated workload for LEED professional is 40 hours a week. Fluctuation of time required for LEED will depend on skill, delegation and persistent follow-up to complete necessary regional documentation.Skilled delegation and persistent follow-up are required to complete the necessary information.

The team's goal is to make the Subcontractor a willing participant in the LEED process. This will be a highly visible project. The Sub-Contractor's responsibilities clearly will include conducting LEED activities.

Quality Assurance Criteria:

The TRU Waste Facility is classified as a nuclear facility designated as Hazard Category 2, in accordance with DOE Standard 1027-92, *Hazard Categorization and Accident Analysis Techniques for Compliance* with *DOE Order 5480.23, Nuclear Safety Analysis Reports.* Given this designation Quality Assurance Quality Requirements have been developed in accordance with the Code of Federal Regulations and DOE Orders.

Title 10 "Energy" of the Code of Federal Regulations (CFR) Part 830, Subpart A Quality Assurance Requirements applies to all aspects of this Project. A graded approach may be applied in accordance with 10 CFR 830.7, *Graded Approach*.

This project must also comply with ASME NQA-1 2008 *Quality Assurance Requirements for Nuclear Facility Operations*, and the Addenda to ASME NQA-1 2008 (ASME NQA-1a-2009).

This project will require all 18 Requirements of Part I as applied in a graded manner. As a minimum Part II Subpart 2.7, *Quality Assurance Requirements for Computer Software for Nuclear Facility Applications* and Part II Subpart 2.14, *Quality Assurance Requirements for Commercial Grade Items and Services,* will be required. All other requirements of Part II must be considered for inclusion based on applicability to project scope. Non-mandatory Appendices Part III and Part IV are not required but may be considered for inclusion at the discretion of the Supplier.

This project must also comply with DOE Order 414.1D, Quality Assurance, Attachment I, *Contractor Requirements Document DOE O 414.1D, Quality Assurance;* Attachment II, *Quality Assurance Criteria;* Attachment III, *Suspect Counterfeit Items Prevention;* and Attachment IV, *Safety Software Quality Assurance Requirements*.

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Suppliers must demonstrate a Quality Assurance Program that is compliant with the above requirements or a program that can become compliant with the above requirements. Consideration will be given to commercial nuclear quality programs compliant with 10 CFR Appendix B to Part 50, *Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants* or similar programs.

Commissioning (Cx) of the facility:

The SUBCONTRACTOR will be required to perform component testing and system acceptance test for the facility. The commissioning of the facility under the Subcontractor's scope shall be performed by an independent Commissioning Agent (CA compliant with ASME NQA-1 2008/2009 standards and LEED Prerequisite 1: Fundamental Commissioning of Building Energy Systems. The sub-contractor Commissioning Agent shall be approved by the by the LANL Commissioning Authority.. It is the responsibility of the Subcontractor to develop a comprehensive commissioning plan for the facility for LANL's approval.

The commissioning (Cx) is a systematic process of ensuring that all the building systems are installed and calibrated and perform interactively according to the design intent.

During construction it is intended to achieve the following specific objectives:

- Ensure the equipment is installed correctly and achieve pre-operational checkout.
- Verify and document performance of equipment and systems through operational modes to meet design intent.
- Operation and maintenance (O&M) documentation provided to the owner is complete.
- Train Owner's operation and maintenance personnel through class room training and hands on.

Location of the Work:

Site Wide and or at TA-63 TWF Phase B Project, Los Alamos National Laboratory, Los Alamos, New Mexico

Subcontract Type:

Fixed Price Contract with unit rate changes for addition or deletion of scope

Targeted Period of Performance:

Award: TBD

Socio-Economic Set-Aside:

N/A

NAICS Code:

236210 Industrial Building Constructions at $33.5 Million

Labor Standard Determination:

Davis Bacon

Classified work is included:

No

ROM Ceiling Estimate:

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A total of $20 to $25 Million range

Request For Interest CRITERIA:

Answer the following questions in the affirmative only if the potential offeror can demonstrate successful performance within the past five years. The potential offeror, its teaming partners, including Lower-tier Subcontractors, as appropriate, must be able to answer "yes" and provide adequate support for each of criterion listed below to be considered acceptable to receive the RFP issued as a result of this Request For Interest. If the potential offeror and its teaming partners base any of their qualifications on "equivalent" non-DOE experience, supporting documentation shall clearly crosswalk that experience to the specific DOE guidance or requirements contained in the documents cited in the criterion below.

LANS may elect not to accept a potential offeror that has relied too heavily on Subcontractors to satisfy all Criteria.

1. Does the Respondent and Lower-tier Subcontractors have an Environment, Safety & Health Plan that complies with 10 CFR 851 Worker Safety & Health Program?

   ☐ **Yes** ☐ **No** **Respondent's Firm**
   ☐ **Yes** ☐ **No** **Lower-tier Subcontractors**

2. Does the Respondent and Lower-tier Subcontractors have a compliant Quality Assurance Program that meets ASME NQA-1 2008 *Quality Assurance Requirements for Nuclear Facility Operations*, and the Addenda to ASME NQA-1 2008 (ASME NQA-1a-2009)?

   ☐ **Yes** ☐ **No** **By Respondent's Firm**
   ☐ **Yes** ☐ **No** **By Lower-tier Subcontractors**

3. How many years have the Respondent and Lower-tier Subcontractors worked NQA-1 projects that meet ASME NQA-1 2008 *Quality Assurance Requirements for Nuclear Facility Operations*, and the Addenda to ASME NQA-1 2008 (ASME NQA-1a-2009)? List when and where. (Use a separate page to describe the NQA-1 projects).

   ☐ **Years** **By Respondent's Firm** _____
   ☐ **Years** **By Lower-tier Subcontractors** _____

4. Does the Respondent and Lower-tier Subcontractors have a Leadership in Energy and Environmental Design (LEED) Accreditation and if yes how many years worked LEED projects?

   ☐ **Yes** ☐ **No** ☐ **Years** **By Respondent's Firm**
   ☐ **Yes** ☐ **No** ☐ **Years** **By Lower-tier Subcontractors**

5. Do the Respondent and Lower-tier Subcontractors have an Experience Modification Rate of 1.0 or less; Total Recordable Injury/Illness Case Rate of 3.2 or less; and DART Case Rate of 1.4 or less? Refer to Appendix F3-1.

   ☐ **Yes** ☐ **No** ☐ **Years** **By Respondent's Firm**
   ☐ **Yes** ☐ **No** ☐ **Years** **By Lower-tier Subcontractors**

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6. Do the Respondent and Lower-tier Subcontractors have demonstrated construction experience for a minimum of 5 years for the Respondent and 3 years for the Lower-tier Subcontractors working NQA-1 projects?

☐ **Yes**	☐ **No**	☐ **Years**	**By Respondent's Firm**
☐ **Yes**	☐ **No**	☐ **Years**	**By Lower-tier Subcontractors**

7. Do the Respondent and Lower-tier Subcontractors have demonstrated construction experience at DOE and/or NNSA, DOD sites, or any other commercial experience, with a minimum of 5 years for the Respondent and 3 years for the Lower-tier Subcontractors?

☐ **Yes**	☐ **No**	☐ **Years**	**By Respondent's Firm**
☐ **Yes**	☐ **No**	☐ **Years**	**By Lower-tier Subcontractors**

8. Do the Respondent and/or Lower-tier Subcontractors have demonstrated experience with the International Building Code (IBC) projects and how many years? List when and where. (Use a separate page to describe the IBC projects).

☐ **Yes**	☐ **No**	☐ **Years**	**By Respondent's Firm**
☐ **Yes**	☐ **No**	☐ **Years**	**By Lower-tier Subcontractors**

Documentation of Direct Relevant Experience:

Provide a reference list of example contracts/projects that demonstrate directly relevant contract/project experience to support each of the foregoing Criteria. Example contracts/projects should be detailed as to both the technical scope of the contract/project and the potential offeror's participation therein. In the case of a teaming arrangement, or where Lower-tier Subcontractors would play a significant role in the performance of this subcontract, a separate list must be submitted for each entity, as applicable, to document such experience. Each reference will include an explanation of relevance and a crosswalk to the specific Criteria being addressed by that contract/project.

Include the following information on each contract/project, as a minimum:

- Entity seeking acceptability to receive RFP:
- Expected Role in this Subcontract:
- Client Name, Address, Contact and Telephone Number:
- Work Description:
- Value:
- Location:
- Commencement/Completion Dates:

SUBMITTAL

Note: All information submitted in response to this Request For Interest must be submitted by the potential offeror.

The potential offeror's documentation submittal is to be submitted (both electronically and on one CD-ROM) to the Procurement Representative not later than 2:00 p.m. Mountain Time, June 4, 2012. The CD-ROMs shall be in searchable electronic format. The CD-ROM may be sent via U.S. Postal Service or other delivery service (e.g., Fed-Ex, UPS, DHL, etc.), but must be received by the due date to be considered.

Submittals sent via U.S. Postal Service should be addressed as follows:

Los Alamos National Security LLC
P.O. Box 1663, Mail Stop M984
Los Alamos, New Mexico 87545
Attention: Karin Antal
Request For Interest No. ADPM-003

Submittals sent via other delivery services or those to be hand carried should be addressed as follows:

Los Alamos National Security LLC
Pajarito Complex, 3400 Arizona Avenue, Suite 141
Los Alamos, New Mexico 87544
Attention: Karin Antal
Request For Interest No. ADPM-003

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Questions may be addressed to the responsible Procurement Representative at:

E-mail: kantal@lanl.gov
Telephone: (505) 606-2317
Facsimile: (505) 665-5641

Attachment F3-1

Safety Performance Eligibility Requirements

LANS policy requires that all work performed at LANL must be conducted in a manner that protects workers, the public, and the environment. The objective of this policy is to establish a consistent, site-wide approach to worker protection by incorporating safety and health into daily activities. To support the effective implementation of this policy, firms should have a demonstrated safety performance equal to or lower than the following standards:

Statistical Standards		
Experience Modification Rate	The "EMR" is a number that is assigned to your company based on the insurance premium you pay and your loss statistics. Contact your insurance company for these numbers.	Maximum Allowable Average: **1.00**
Total Recordable Injury/Illness Case Rate (from Company OSHA 300 log)	Rate = Total Recordable Injuries/Illnesses x 200,000 / Total Employee Hours Worked	Maximum Allowable Average: **3.2**
DART Case Rate (Days Away From Work, Restriction, or Job Transfer) (from Company OSHA 300 log)	Rate = Total Days Away/Restricted/Transferred Work Day Cases x 200,000 / Total Employee Hours Worked	Maximum Allowable Average: **1.4**

Firms must submit a properly executed Environment, Safety, and Health Worksheet (Attachment F3-2) along with a letter from their Worker's Compensation Insurance Carrier certifying their Experience Modification Rate (EMR) performance. If any of the maximum allowable averages shown above is exceeded, the firm must provide information that clearly explains the excessive rate and demonstrates that the anomaly causing that excess was not easily preventable using sound safety practices.

If a firm is a joint venture, association, consortia, or partnership that has fewer than three years of demonstrated safety and/or environmental performance, each entity comprising the joint venture, association, consortia, or partnership must submit a properly executed Environment, Safety, and Health Worksheet (Attachment F3-2), along with a letter from their Worker's Compensation Insurance Carrier certifying its Experience Modification Rate (EMR) performance.

Any response received from a firm which does not provide the ES&H Worksheet(s), which exceeds any of the stated maximum allowable averages without an acceptable rationale, or which has fewer than three years of

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demonstrated safety and/or environmental performance, may, at LANS' sole discretion, be considered unacceptable.

Attachment F3-1
Safety Performance Eligibility Requirements

If a firm intends to use Lower-tier Subcontractors to perform elements of the Scope of Work, those Lower-tier Subcontractors must also meet the maximum allowable averages specified above. The firm to whom the contract is awarded (i.e., Subcontractor) shall be responsible for ensuring that all of its Lower-tier Subcontractors meet the maximum allowable average safety performance eligibility requirements. When requested, the Subcontractor must demonstrate to LANS' satisfaction that its Lower-tier Subcontractors meet the maximum allowable average safety performance eligibility requirements. If any prospective Lower-tier Subcontractor does not meet one or more of the maximum allowable average safety performance eligibility requirements, the use of that Lower-tier Subcontractor must be evaluated and approved by both the Subcontractor and LANS before it can perform any work on the p.

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Attachment F3-2

ENVIRONMENT, SAFETY AND HEALTH WORKSHEET

Subcontractor Name:

Worksheet completed by:

Date:

LANS Proposed Request For Interest Number: ADPM-003

1.	**Experience Modification Rate (EMR)**		
	List your firm's Interstate EMR for the past three (3) years and total hours worked.		
	Year:	EMR:	Hours Worked:
	Year:	EMR:	Hours Worked:
	Year:	EMR:	Hours Worked:
		3-year average:	
	If the state where the jobsite is located has an EMR rating system, provide the state EMR for the past three (3) years and the total hours worked.		
	Year:	EMR:	Hours Worked:
	Year:	EMR:	Hours Worked:
	Year:	EMR:	Hours Worked:
		3-year average:	
2.	**Total Recordable Case (TRC) and Days Away/Restricted/Transferred Case (DART) Rates**		
	List the cumulative injury statistics rates for the past three (3) years using the BLS formula to determine recordability.		
	Year:	TRC: DART:	Hours Worked:
	Year:	TRC: DART:	Hours Worked:
	Year:	TRC: DART:	Hours Worked:
		3-year average TRC: DART:	
	Attach copies of the OSHA Annual Summary Logs (OSHA's Form 300A) for the three most recent years and a current year OSHA 300 Log for the months during the period since the last annual report.		
	Any OSHA fine(s) over the past three (3) years? If yes, provide a written explanation on an attachment to this form.		
3.	**Fatalities**		
	Any fatalities within the last three (3) years? If Yes, list total number of fatalities: , and provide a written explanation for each fatality on an attachment to this form.		
4.	**Bureau of Alcohol, Tobacco, and Firearms violations**		

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	Any Bureau of Alcohol, Tobacco, and Firearms violations within the last three (3) years? If Yes, list the number: , and type of violations: .
5.	For companies exempt from record keeping requirements per 29 CFR 1904.1 (ten or fewer employees), complete items 1 and 3 above and summarize the cause of the injuries/illnesses for the past three (3) years, including the current year, on a separate attachment to this form. Additionally, include corrective actions taken to prevent re-occurrence.
6.	Check your type of work for the most recent 3 year period: ☐ Non-Residential Building, include dates: ☐ Heavy (Non-Highway) Construction, include dates: ☐ Mechanical, include dates: ☐ Electrical, include dates: ☐ Other (State type and date):
7.	List key Safety and Health personnel planned for this project. Please list name, expected position and safety performance on last three projects (Total Recordable Case and Days Away Restricted Transferred (DART) rates). Provide a resume if required by the Request For Proposal.

NAME	POSITION	PROJECT	TRC	DART

8.	**Environmental Record**
	Has your firm been subject to any environmental enforcement proceedings before a federal or state agency within the last five (5) years? If Yes, for each proceeding: provide the name of the agency, the nature of the proceeding, the charge(s), and the result on an attachment to this form.
	Has your firm violated or exceeded any federal or state environmental standard, requirement, regulation or statute within the last three (3) years? If Yes, for each violation give a brief description of the nature of the violation on an attachment to this form.

NOTE: This form is for evaluation purposes only and will not be a part of a Subcontract.

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