

NBL-13 ADDITION

Chicago Office NEPA Tracking Number

U. S. DEPARTMENT OF ENERGY
OFFICE OF SCIENCE -- CHICAGO OFFICE

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA)
ENVIRONMENTAL EVALUATION NOTIFICATION FORM

To be completed by "financial assistance award" organization receiving Federal funding. For assistance (including a point of contact), see "Instructions for Preparing SC-CH F-560, Environmental Evaluation Notification Form".

Solicitation/Award No. (if applicable): DE-AT02-10CH23

Organization Name: New Brunswick Laboratory (NBL)

Title of Proposed Project/Research: Categorical Exclusion: Dismantling, Removal, and Decommissioning (DR&D) of Contaminated Ducting and Associated Equipment in the Plutonium Facility Fan Loft and Basement of Building 350 (NBL)

Total DOE Funding/Total Project Funding: \$923,000 (does not include waste disposal)

I. Project Description (use additional pages as necessary):

A. Proposed Project/Action (delineate Federally funded/Non-Federally funded portions)

Description: The Department of Energy (DOE) New Brunswick Laboratory requires the services of a DR&D contractor to dismantle and remove radiological contaminated ventilation and other mechanical equipment from the basement and fan loft areas of the Building 350 Plutonium (Pu) Facility. The ventilation and mechanical equipment to be removed are primarily contaminated with plutonium and americium isotopes, and may also contain chemical and/or hazardous contamination, although it is not expected. A complete characterization of the radioactive contamination for the purpose of establishing the appropriate radiological controls and for the purpose of waste disposal is included in the scope of work. Levels of contamination may vary between sections of ducting or between the basement and fan loft areas of Building 350. The DR&D project is estimated to generate 7,000 gallons of low-level radioactive waste and 900 gallons of transuranic radioactive waste. All waste will be managed and disposed of in accordance with the Argonne Waste Handling Procedures Manual. Decontamination and final release surveys of all work areas is required prior to contractor demobilization. For additional details, please see the attached Request for Task Proposal Number: DE-AT02-10CH23

B. Would the project proceed without Federal funding?

Yes No

If "yes", describe the impact to the scope:

II. Description of Affected Environment: Contractor is expected to use Environmentally Preferable Products (EPPs). EPPs are defined as items that have a reduced effect on human health and the environment when compared with competing products or services that serve the same purpose. EPPs may include products that contain recycled content, minimize waste, conserve energy or water, protect natural resources, and reduce the use and release of toxic chemicals. EPPs also offer human health and economic benefits such as reduced worker illness, improvements in public health and decreased costs associated with waste management and regulatory compliance. The work will take place in the basement and fan lofts areas of the Building 350 Plutonium (Pu) Facility.

III. Preliminary Questions:

- | | | |
|---|--------------------------|-------------------------------------|
| | Yes | No |
| A. <u>Is the DOE-funded work <i>entirely</i> a "paper study"?</u> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

If "Yes", ensure that the description in Section I reflects this and go directly to Section V.

- | | | |
|---|-------------------------------------|--------------------------|
| | Yes | No |
| B. <u>Will the work to be performed take place <i>entirely</i> in existing buildings?</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

And NOT:

- | | | |
|---|-------------------------------------|--------------------------|
| | Yes | No |
| 1. Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Require the siting, construction or major expansion of waste treatment, storage, or disposal facilities? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Disturb hazardous substances, pollutants, or contaminants preexisting in the environment? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. Adversely affect environmentally-sensitive resources identified in Section IV.A.? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 5. Be connected to another existing/proposed activity that could potentially create a cumulatively significant impact? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 6. Have an inherent <i>possibility</i> for high consequence impacts to human health or the environment (e.g., Biosafety Level 3-4 laboratories, activities involving high levels of radiation)? | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

If "Yes" to Question III.B. and ALL six subsequent questions, ensure the descriptions in Sections I and II reflect this and go directly to Section V.

IV. Potential Environmental Effects:

Attach/insert an explanation for each "Yes" response.

- A. Sensitive Resources: Will the proposed action result in changes and/or disturbances to any of the following resources?

- | | | |
|--|--------------------------|-------------------------------------|
| | Yes | No |
| 1. Threatened/Endangered Species and/or Critical Habitats | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Other Protected Species (e.g., Burros, Migratory Birds) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Sensitive Environments (e.g., Tundra/Coral Reefs/Rain Forests) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 4. Archaeological/Historic Resources | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Important Farmland | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 6. Non-Attainment Areas for Ambient Air Quality Standards | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 7. Class I Air Quality Control Region | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 8. Special Sources of Groundwater (e.g. Sole Source Aquifer) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 9. Navigable Air Space | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 10. Coastal Zones | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 11. Areas with Special National Designation (e.g. National Forests, Parks, Trails) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 12. Floodplains and Wetlands | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

- B. Regulated Substances/Activities: Will the proposed action involve any of the following regulated items or activities?

- | | | |
|---|--------------------------|-------------------------------------|
| | Yes | No |
| 13. Natural Resource Damage Assessments | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 14. Exotic Organisms | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 15. Noxious Weeds | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 16. Clearing or Excavation (indicate if greater than one acre) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 17. Dredge or Fill (under Clean Water Act, Section 404, indicate if greater than ten acres) | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

B. Regulated Substances/Activities: Will the proposed action involve any of the following regulated Items or activities? (continued)

	Yes	No
18. Noise (in excess of regulations)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
19. Asbestos Removal	<input checked="" type="checkbox"/>	<input type="checkbox"/>
20. PCB's	<input checked="" type="checkbox"/>	<input type="checkbox"/>
21. Import, Manufacture, or Processing of Toxic Substances	<input type="checkbox"/>	<input checked="" type="checkbox"/>
22. Chemical Storage/Use	<input type="checkbox"/>	<input checked="" type="checkbox"/>
23. Pesticide Use	<input type="checkbox"/>	<input checked="" type="checkbox"/>
24. Hazardous, Toxic, or Criteria Pollutant Air Emissions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
25. Liquid Effluents	<input type="checkbox"/>	<input checked="" type="checkbox"/>
26. Underground Injection	<input type="checkbox"/>	<input checked="" type="checkbox"/>
27. Hazardous Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
28. Underground Storage Tanks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
29. Radioactive Mixed Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
30. Radioactive Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
31. Radiation Exposure	<input checked="" type="checkbox"/>	<input type="checkbox"/>
32. Surface Water Protection	<input type="checkbox"/>	<input checked="" type="checkbox"/>
33. Pollution Prevention Act	<input type="checkbox"/>	<input checked="" type="checkbox"/>
34. Ozone Depleting Substances	<input type="checkbox"/>	<input checked="" type="checkbox"/>
35. Off-Road Vehicles	<input type="checkbox"/>	<input checked="" type="checkbox"/>
36. Biosafety Level 3-4 Laboratory	<input type="checkbox"/>	<input checked="" type="checkbox"/>

C. Other Relevant Information: Will the proposed action involve the following?

	Yes	No
37. Potential Violation of Environment, Safety, or Health Regulations/Permits	<input type="checkbox"/>	<input checked="" type="checkbox"/>
38. Siting/Construction/Major Modification of Waste Recovery, or Waste Treatment, Storage, or Disposal Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>
39. Disturbance of Pre-existing Contamination	<input type="checkbox"/>	<input checked="" type="checkbox"/>
40. New or Modified Federal/State Permits	<input type="checkbox"/>	<input checked="" type="checkbox"/>
41. Public Controversy	<input type="checkbox"/>	<input checked="" type="checkbox"/>
42. Environmental Justice	<input type="checkbox"/>	<input checked="" type="checkbox"/>
43. Action/Involvement of Another Federal Agency (e.g. license, funding, approval)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
44. Action of a State Agency in a State with NEPA-type law. (Does the State Environmental Quality Review Act apply?)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
45. Public Utilities/Services	<input type="checkbox"/>	<input checked="" type="checkbox"/>
46. Depletion of a Non-Renewable Resource	<input type="checkbox"/>	<input checked="" type="checkbox"/>
47. Extraordinary Circumstances	<input type="checkbox"/>	<input checked="" type="checkbox"/>
48. Connected Actions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
49. Exclusively Bench-top Research	<input type="checkbox"/>	<input checked="" type="checkbox"/>
50. Only a Laboratory Setting	<input type="checkbox"/>	<input checked="" type="checkbox"/>

V. Financial Assistance Award Organization Concurrence:

A. Organization Official (Name and Title): Heidi Williams, Environmental Protection Specialist

Signature: _____ Date: _____

e-mail: _____ Phone: _____

B. Optional Concurrence (Name and Title): N/A

Signature: _____ Date: _____

e-mail: _____ Phone: _____

Remainder to be completed by SC-CH

VI. SC-CH Concurrence/Recommendation/Determination:

A. SC-CH Office of Acquisition and Assistance or Office of Safety, Technical & Infrastructure Services:

Project Director or Contract Specialist (Name and Title): N/A

Signature: _____ Date: _____

B. SC-CH NEPA Team Review:

Is the project/activity appropriate for a determination or a recommendation to the Head of the Field Organization by the NEPA Compliance Officer (NCO) under Subpart D of the DOE NEPA Regulations?

Yes

No

B1.17, B1.16, B1.3(e), B6.1 & B2.5

Specific class(es) of action from Appendices A-D to Subpart D (10 CFR 1021): Activity

Falls under existing CX, NBL-13

Name and Title: Jim Oprzedek, Environmental Engineer

Signature:  Date: 12/10/09

C. SC-CH Counsel (if necessary):

Name and Title: N/A

Signature: _____ Date: _____

D. SC-CH NEPA Compliance Officer:

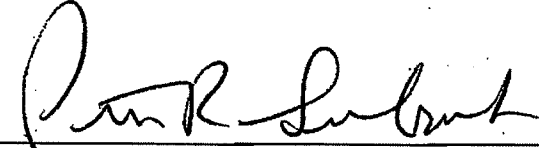
The preceding pages are a record of documentation required under DOE Final NEPA Regulation, 10 CFR 1021.400.

Action may be categorically excluded from further NEPA review. I have determined that the proposed action meets the requirements for Categorical Exclusion referenced above.

Action requires approval by Head of the Field Organization. Recommend preparation of an Environmental Assessment.

Action requires approval by Head of the Field Organization or a Secretarial Officer. Recommend preparation of an Environmental Impact Statement.

Comments/Limitations if necessary: In the event asbestos or PCB's are discovered, a separate EENE must be submitted

Signature:  Date: 12/10/2009
Peter R. Siebach
SC-CH NEPA Compliance Officer

NEPA EENF Continuation Sheet

Categorical Exclusion for Dismantling, Removal, and Decommissioning (DR&D) of Contaminated Ducting and Associated Equipment in the Plutonium Facility Fan Loft and Basement of Building 350 (NBL)

- IV.B.18 Noise** – Part of the DR&D project will occur in the Plutonium (Pu) Facility fan loft. Ambient noise levels in the fan loft exceed regulatory limits. All appropriate standards and associated protection for excessive noises will be followed.
- IV.B.19 Asbestos Removal** – Although it is not anticipated, the DR&D project may involve the removal of asbestos-containing manufactured parts. Asbestos removal and disposal activities will follow the Argonne Environment, Safety and Health (ESH) Manual and the Argonne Waste Handling Procedures Manual.
- IV.B.20 PCB's** – Although it is not anticipated, the DR&D project may involve the removal of PCB-containing oils/lubricants, primarily from motor gear boxes. PCB disposal activities will follow the Argonne Environment, Safety and Health (ESH) Manual and the Argonne Waste Handling Procedures Manual.
- IV.B.27 Hazardous Waste** – Hazardous waste is not expected. If hazardous waste is generated, it will be managed and disposed in accordance with the Argonne Waste Handling Procedures Manual.
- IV.B.29 Radioactive Mixed Waste** – Radioactive mixed waste is not expected. If radioactive mixed waste is generated it will be managed and disposed in accordance with the Argonne Waste Handling Procedures Manual.
- IV.B.30 Radioactive Waste** – The DR&D project will generate low-level and transuranic radioactive waste. If necessary, contaminated ventilation and mechanical parts will be wiped down to decontaminate to a level to assure characterization as low-level waste. This step will significantly reduce the level of transuranic waste generated by the DR&D project. All legacy HEPA filters and wipe cloths will be disposed of as transuranic waste. All radioactive wastes will be managed and disposed in accordance with the Argonne Waste Handling Procedures Manual.
- IV.B.31 Radiation Exposures** – Material and equipment included in the DR&D project is radiological contaminated (primarily isotopes of plutonium and americium). The dominant radiological risk is from plutonium. Only trained personnel will be allowed to work on contaminated building components with oversight performed by Health Physics personnel. Planned radiation exposures will follow DOE regulations and specifically, the principle of “As Low as reasonably Achievable” and will not exceed the administrative limits as outlined in the NBL Radiation Protection Plan.

REQUEST FOR TASK PROPOSAL (RTP)
For The
Dismantling, Removal, and Decommissioning (DR&D) Project
For
New Brunswick Laboratory (NBL)

Request for Task Proposal Number: DE-AT02-10CH23 Date: 11-18-2009

Contract No. DE-AM02-05SR22414

Firm Fixed Price Completion Task: Yes

Level of Effort Task: N/A

Task Manager: Richard Baker

Phone #: 630-252-2647

DCOR Review: Kimberly Johnson-Miller

Phone #: 630-252-4334

Review Team Approval: _____ Date: _____
Signature

Designated Contracting Officer: _____ Date: _____
Signature

To: _____

Request you provide your Task Proposal to the DOE Designated Contract Specialist (Warren Riley) no later than **December 4, 2009**. Any and all questions concerning this Task Proposal must be submitted in writing via email to warren.riley@ch.doe.gov.

I. EVALUATION FACTORS:

The evaluation of this Task Proposal for Award shall be based on the following:

Evaluation Criteria

A. Significantly Important (The following criteria are in order of equal importance)

- (1) The contractor's demonstrated past experience within the last five years in working consistently within the conditions of a safety basis envelope for DOE nuclear facilities.
- (2) The contractor's past experience and technical approach will be evaluated as to how the contractor can utilize it in defining and proposing the approach to the project, selection of safety controls to be enforced, and control of work practices to ensure best nuclear operations practices are relied upon during the conduct of the work for this Task Order.
- (3) The contractor's key personnel experience, qualifications, ability to perform the statement of work, and level of commitment.

(4) The contractor's demonstrated past experience with Nuclear Facility Demolition, Removal, and Decommissioning (DR&D) activities.

(5) The contractor's past experience with the Department of Energy (DOE) including Days Away/Restricted or Transferred (DART) Rates, and OSHA 300 Logs (for actual jobs).

(6) The contractor's familiarity with 10 CFR 830, 851, and 835 criteria; and ability to meet those requirements as applicable.

B. Important (The following criteria are in equal order of importance)

(1) The contractor's ability to present accurate technical and project specific information in oral and written formats in support of the DOE.

(2) The contractor's ability to establish and maintain productive and effective relationships with DOE and contractor personnel at all levels.

C. Cost or Price Evaluation. The contractor's fully loaded labor rates for its key personnel will be reviewed and the overall firm fixed price will be evaluated from the standpoint of providing the best value to the Government.

II. SITE VISIT

Site Visit Date – A site visit to NBL is expected to occur on November 23, 2009.

III. PERIOD OF PERFORMANCE

The period of performance shall be the effective date of award of the Task Order and continue through on or about March 30, 2010. Schedule and milestones are to be presented with justification in the contractor Project Execution Plan (PEP).

Normal work hours at the NBL are from 7:00 a.m. to 5:00 p.m. Monday through Friday. NBL will not be accessible to the contractor on the following federal holidays: (1) - New Years Day (January 1, 2010), (2) - Martin Luther King (MLK) Day (January 18, 2010), and (3) - President's Day (February 15, 2010). Work outside of these hours shall require advance notification to the DCO.

IV. PLACE OF PERFORMANCE

Completion of tasks called out in the Statement of Work (SOW) will occur at the New Brunswick Laboratory, Building 350, on the DOE Argonne National Laboratory Site (ANL). The place of performance for other work required by the resulting Task Order is at the discretion of the Contractor.

V. GOVERNMENT FURNISHED OFFICE SPACE AND SERVICES

The contractor is authorized, during Task Order Performance, office space for individuals on an as-required basis. The DOE will provide on-site personnel to retrieve documents as necessary for performance under the Task Order.

Space and services to be provided by the DOE include:

- (a) DOE/NBL will provide the contractor, within Building 350, office space for project management, supervision personnel, work room/meeting space, and shower and wash facilities dedicated to contractor needs.
- (b) DOE/NBL will provide access to phone, internet, and fax capabilities; Site and facility-specific training and temporary badges; shipping & disposal of waste including generated waste products, and shipping samples for characterization and analysis.

VI. INSTRUCTIONS TO OFFERERS

PROPOSAL CONTENT/SUBMITTAL DATA/INSTRUCTIONS

- (a) The proposal shall be submitted no later than **3:00 pm Central Standard Time, December 4, 2009**. The task proposal must be submitted electronically to the contract specialist, Mr. Warren Riley at warren.riley@ch.doe.gov.
- (b) The entire task proposal shall consist of two volumes: Technical and Cost. The total page limit is 25 pages.
- (c) Proposals are expected to conform to all the requirements of this RTP.
- (d) The contractor shall prepare proposals based upon an anticipated award of a Task Order with a Task Order effective date no later than January 4, 2010.
- (e) Any written text for the proposal shall be submitted using Microsoft Office or Adobe Acrobat 6.0 (PDF) or higher. The electronic media versions provided shall be searchable.
- (f) Task proposals are expected to be prepared in accordance with the instructions contained herein. The task proposal information will be reviewed to ensure compliance by the contractor with all aspects of this RTP. To aid in evaluation, proposals shall be clearly and concisely written, neat, indexed (cross-indexed as appropriate), and assembled logically. Extraneous, repetitious, or wordy submissions are not desired. Pages shall be sequentially numbered.
- (g) Only one response shall be submitted to the RTP that consolidates and combines the activities of the prime contractor and teaming partners (if any) into an integrated response.

VII. TECHNICAL PROPOSAL

(a) The Technical Proposal presents the contractor's understanding, capabilities, and approach to satisfy the requirements of the SOW. The contractor shall address all requirements in the SOW.

(b) No cost information is to be included in the Technical Proposal. Labor hours and skill mixes shall be provided, without associated cost.

(c) Format and Content – "Technical Approach" shall include the following (in the order listed):

(i) Provide a list of previous Demolition, Removal, and Decommissioning projects within the last 5 years in working consistently within the conditions of a safety basis envelope for DOE nuclear facilities.

(ii) Within these projects describe the selection of safety controls, control work practices to ensure best nuclear operation practices, methods selected for operations in connection with the hazards of the work, and building conditions in the areas of work.

(iii) Describe your technical approach for the NBL work addressing the areas of safety controls, control work practices to ensure best nuclear operations, methods selected for operations reflecting the hazards of the work, building conditions in the areas of work, and optimization of effort to avoid conflicts with other un-related NBL activities.

(iv) Provide current and relevant information which indicates the contractor's key personnel experience, qualifications and ability to perform the SOW requirements. See Section VIII below for additional information regarding key personnel.

(v) Describe your past performance history with DOE, including Days Away/Restricted or Transferred (DARTS) Rates, and OSHA 300 Logs (for actual jobs).

(vi) Describe your familiarity with 10 CFR 830, 851, and 835 criteria, and your ability to meet the requirements of these laws as applicable.

(d) Describe your ability to present accurate technical and project specific information in oral and written formats in support of DOE.

(e) Describe your ability to establish and maintain productive and effective relationships with DOE and contractor personnel at all levels.

VIII. KEY PERSONNEL

(a) **Resumes** – The contractor shall provide resumes of key personnel (prime contractor, subcontractor and/or teaming partner) who have relevant experience (resumes are not included in the 25 page limit for the technical and cost proposal). The resumes shall be provided in the following format:

Name:

Country of Citizenship:

Proposed Title/Assignment on Task Order:

Availability Date and Period of Commitment:

Experience summary (a succinct summary of overall experience and capabilities including duration of performance and dollar level of projects):

Current Assignment (include from/to dates); Description of Current Assignment; Description(s) of Experience Relevant to Task Order Assignment; Education above high school (include from/to dates and current address and telephone); and Technical Qualifications (include special skills and relevant technical training)

(b) **Letter of Commitment** – The contractor shall submit signed qualification letter(s) of commitment for the key personnel. The letter(s) of commitment will state: “I hereby certify that the resume submitted as part of the task proposal is true and correct, and that _____ (insert name of the individual proposed) will accept the proposed position of _____ (insert name of the proposed position) and will perform in the proposed position for the performance period of the Task Order”

(c) The contractor shall complete (if applicable) and submit with the task proposal the key personnel information below:

The personnel identified below are considered key to the operation and completion of the work under this task order and are subject to the provisions of DEAR Clause 952.215-70 incorporated in the Base Contract.

Key Personnel (List)

In accordance with the Section I clause, 952.215-70 Key Personnel (DEC 2000), the following personnel are considered essential to performing the work in the Task Order:

	Individual's Name	Position	Contractor Name
1			
2			
3			
4			

IX. COST PROPOSAL

The contractor shall propose a Firm Fixed Fee (FFP) Task Order for the completion of all work described in this RTP. The contractor's fully loaded labor rates proposed for its key personnel shall be provided.

X. AMENDMENT OF THE RTP

The only method by which any term of the RTP may be modified is by an express, formal amendment to the solicitation generated by the DCO. No other communication made at any scheduled conference or subsequent discussions, whether oral or in writing will modify or supersede the terms of the RTP.

XI. STATEMENT OF WORK (SOW)

DISMANTLING, REMOVAL AND DECOMMISSIONING OF CONTAMINATED DUCTING AND ASSOCIATED EQUIPMENT IN THE FAN LOFT AND BASEMENT OF NEW BRUNSWICK LABORATORY (BUILDING 350)

DESCRIPTION OF THE DR&D PROJECT WORK

Background and Need:

The Department of Energy (DOE) New Brunswick Laboratory requires the services of a DR&D contractor to dismantle and remove radiological contaminated ventilation and other mechanical equipment from basement and fan loft areas of the Building 350 Plutonium Facility. NBL is an Office of Science Government Owned Government Operated (GOGO) Nuclear Laboratory Facility located on the Argonne National Laboratory Site. None of the property and/or equipment referred to below is considered as viable for reuse by the DOE or any other Federal Agency.

This SOW is to provide non-personal services to permanently remove the Plutonium (Pu) contaminated metal and associated material to enable NBL to demonstrate conservatively a reduction down to a quantity of 8.4g Pu or less throughout the building (excluding Pu Wing Vaults). The contaminated ducting and equipment contains entrained Nuclear Material (NM) which contributes to a current Pu volume including "Holdup" estimated above the 8.4g threshold quantity (DOE-STD-1027) required for NBL to obtain the revised authorization to operate as a DOE Radiological Facility. Deactivation of contaminated metal and equipment is not required.

Material and equipment included in this work scope is radiological contaminated (primarily isotopes of plutonium and americium) and may also contain chemical and/or hazardous contamination. A complete characterization of the radioactive contamination for the purpose of establishing the appropriate radiological controls and for the purpose of waste disposal is included in this SOW. Levels of contamination may vary between sections of ducting or between the basement and fan loft areas of Building 350. The dominant radiological risk is from plutonium. Areas where work is to be performed are poorly lit, crowded, and have limited access

with respect to materials and equipment. Decontamination and final release surveys of all work areas is required prior to contractor demobilization.

Task Description Including General Information and Expectations:

CONTRACTOR SHALL:

- Complete general activities below in approximately 60 work days or less.
- Provide onsite project management, personnel supervision, Worker Health & Safety (WH&S) oversight (including HP and RCT); all skilled craft labor; radiological controls, waste characterization, sampling and analysis; and decontaminate and perform exit survey services for the Fan Loft and Basement areas after contaminated equipment is removed.
- Provide all radiological and industrial PPE, and instrumentation required to perform the work; and equipment and material to complete removal and packaging of the contaminated ducting/associated equipment (includes waste generated).
- Design, fabricate, deliver and install a transfer mechanism to enable waste container removal into and out of the Fan Loft area.
- Dismantle contaminated ducting, associated equipment & size reduce contaminated material, and remove the packaged material from Building 350.
- Safely disconnect and isolate all utilities, services and or infrastructure connections to the areas of work except for electrical service required to perform this Task Order.
- Perform all dismantlement and removal work in compliance with applicable statutes and regulations and DOE NBL requirements.
- Identify and obtain applicable Federal, State, and Local permits required, if any, under this Task Order.
- Perform and submit an Engineering Survey of the involved areas and provide two (2) copies of this survey to the Designated Contracting Officer's Representative (DCOR).
- Stage all materials and equipment in a floor location designated and approved by the COR.
- A mandatory site visit will be conducted by the DOE for the contractor and a Pre-job contractor walkthrough of all work areas is required to ensure feasibility and reliability of the approach proposed to prepare a defensible schedule to perform all subtasks, and to accurately estimate the volume of expected waste by type.
- Remove all material, equipment, rubble, nuclear waste products, scrap metal and trash from the areas of work as the work progresses as defined in this Task Order.

Statement of Work is to be structured in the following manner to ensure a clear and firm basis for DOE to evaluate the work plan, cost plan, and defined schedule:

Project Management/D&R Planning: Develop work plans, define procedures, and submit Monthly Project Status Reports.

Pre-mobilization: Obtain required permits, procure materials, equipment, and place subcontracts.

Mobilization: Mobilize personnel; establish administration function; material storage/isolation areas; conduct training of personnel and complete bioassays.

Radiological characterization: Characterize contaminated equipment.

Project Start-up: Install mechanism to transfer contaminated material out of Building 350, perform electrical and mechanical isolation; establish containment and encapsulate ductwork.

Segmentation and Removal: Segment ductwork; overhead ductwork; basement piping; filters; filter housings and blower(s); complete size reduction as necessary; complete packaging and remove packages from Building 350.

Demobilization: Restore building to working & serviceable condition and de-mobilize contractor personnel.

Contractor shall prepare work plan and define the project schedule using Work Breakdown Structure for packages 1-7 below.

XII. DELIVERABLES AND OTHER REQUIREMENTS

(Based on Contractor Project Execution Plan)

Contractor shall provide deliverables in accordance with the following tables. The following deliverables shall not be separately priced. DOE recognizes that the deliverables submitted are to be commensurate with the level required for a project of the size and complexity of this Task Order. DOE will be available to discuss the deliverable list below during the Contractor on-site walk through.

WBS Work Package	Deliverable	Due Date	Approval Required
1. Project Management D&R Planning	Project Execution Plan Identify work procedures to be used	1 wk after start of work	DCO
	Submit Monthly Project Status Report	1 wk after start of work	DCOR
		30 days after start of work 60 days after start of work	DCOR
2. Pre-mobilization	List Permits to obtain	1 wk after start of work	DCOR
	Permits obtained	As obtained	NA
	Procurement Plan	1 wk after start of work	DCO
	Subcontracting Plan	1 wk after start of work	DCO

	Provide list of personnel requiring access to Bld. 350	1 wk after start of work	DCOR
3. Mobilization	Establish Admin function	Notify DOE function is established (1 wk after award)	DCOR
	Complete Bioassays	Notification letter w results (1 wk after start work)	DCOR
	Select material storage, isolation areas	Notification on floor layout diagram (1 wk after start work)	DCOR
	Training Plan	1 wk after start of work	DCOR
	Notification of Training complete	As completed	NA
4. Radiological Characterization	Radiological Characterization Report	Identified in Contractor Project Execution Plan (PEP)	DCOR
5. Project Start-up	Install mechanism to transfer contaminated material out of Bld. 350	2 wks after start of work	DCOR
	Notification of completion of electrical and mechanical isolation	Identified in Contractor PEP	NA
	Establish containment	2 wks after start of work	DCOR
	Encapsulate ductwork	3 wks after start of work	NA
6. Segmentation and Removal	Segment ductwork, basement piping, filters, filter housings, blowers	5 wks after start of work	NA
	Complete size reduction	6 wks after start of work	NA

	Remove completed packaging from Bld.	7 wks after start of work	DCOR
7. Demobilization	Restore building 350 to workable condition	8 wks after start of work	DCOR
	Exit out personnel from ANL Site	8 wks after start of work	DCOR

List of Final Deliverables for Effort under Task Order No. DE-AT02-10EMCH23

Deliverable Name	Document Title	Transmittal Letter	Contracting Officer Approval Letter
Final Characterization Report	Final Characterization Report	To DCOR	Yes
Final Project Report	NBL D&R Final Report	To DCO	Yes
Declaration of Physical Completion (letter)	D&R Physical Completion Report (letter/attachment)	To DCO	Yes

Declaration of Project Completion

Upon physical completion of the Task Order requirements as set forth in the SOW of Work, the contractor shall prepare a letter declaring that the work has been physically completed; the letter shall be delivered to the DCO. Following submittal of the letter, DOE will arrange for independent verification of the work accomplished. If the DOE independent verification does not substantiate the contractor's declaration, DOE will provide the contractor with a list of material deficiencies and a schedule for correcting those deficiencies. The contractor shall correct all identified deficiencies and submit an addendum to its letter of physical completion, final declaration letter. Upon receipt of final independent verification report, DOE will approve for final payment of all costs outstanding under the contract (upon completion of Physical Completion Acceptance Period). The above process will continue until the DOE accepts correction of remaining deficiencies based on Independent Verification Committee review. Only when DOE is certain that all material deficiencies have been corrected will the Incentive Fee be released to the Contractor

For purposes of the Task Order, the following definitions will apply:

Declaration of Physical Completion - The contractor's letter declaring the date of physical completion;

Reasonableness Review Period - shall be the ten business day DOE review following submission of contractor's Declaration of Physical Completion letter. If the DOE determines the

Declaration of Physical Completion as reasonable, then the physical completion date is fixed (as defined in Fixed Physical Completion Date below). If the DOE determines the Declaration of Physical Completion to be unreasonable, then the physical completion date is not fixed (e.g. the clock continues until a new letter declaring physical completion is submitted by contractor and determined by DOE to be reasonable);

Fixed Physical Completion Date - the date identified by contractor in their Declaration of Physical Completion letter and determined by DOE to be reasonable. If a prior reasonableness review period (s) resulted in a determination that the declaration was unreasonable, the Fixed Physical Completion Date equals the date identified in original contractor Declaration of Physical Completion letter plus contractor's time required to correct punch-list items identified in the DOE Reasonableness Review Period(s);

Declaration of Physical Completion Acceptance Period - ten calendar days following completion of the reasonableness period to be used for the DOE generation of a punch-list of material deficiencies or acceptance of project as complete. All costs associated with the correction of punch list items after the Fixed Physical Completion Date are unallowable;

Final Declaration Letter - contractor's letter declaring completion of punch-list material deficiencies;

Final Declaration Letter Acceptance Period - ten calendar day DOE review cycle following the contractor's submission of the Final Declaration Letter, used for DOE to accept the project as complete or identify incomplete punch list items;

Final Declaration Letter Acceptance Period - DOE letter accepting completion of punch-list and Declaration of Physical Completion.

Task Order Schedule:

Contractor is to prepare and defend a project schedule matched to the Work Breakdown Schedule (WBS) and reflect dependent and independent subtasks. The schedule is to be definitized to prevent cost growth. Critical milestones are to include, as a minimum:

1. Early start for mobilization,
2. 50% complete for project execution,
3. 50% complete for segmentation,
4. Early finish
5. Late finish

Any assumptions or factors, that if encountered, which could prevent the accomplishment of the effort as proposed shall be identified and mitigated measures to prevent schedule creep are to be described.

Data Items Required:

Contractor is expected to use Environmentally Preferable Products (EPPs). EPPs are defined as items that have a reduced effect on human health and the environment when compared with competing products or services that serve the same purpose. EPPs may include products that contain recycled content, minimize waste, conserve energy or water, protect natural resources, and reduce the use and release of toxic chemicals. EPPs also offer human health and economic benefits such as reduced worker illness, improvements in public health and decreased costs associated with waste management and regulatory compliance.

Applicable DOE Directives and NBL Safety Basis Documents Application:

The contractor shall comply with DOE directives identified below. The full text of DOE directives is available at <http://www.directives.doe.gov>.

Reference	Title	Date
10 CFR 830	Nuclear Safety Management	Jan 2006
DOE O 414.1C	Quality Assurance	July 2005
10 CFR Part 851	Worker Safety and Health	February 2006
DOE G 440.1-8	Implementation Guide for Use with 10 CFR Part 851, Worker Safety and Health Program	December 2006
10 CFR Part 835	Occupational Radiation Protection	April 2009
NBL Safety Basis Documents	To be Provided to the Contractor after completion of RTP negotiations	Est. January 2010

The contractor is to provide a justifiable graded safety basis approach to meet the requirements for applicable directives identified above and for work scope activities defined for this Task Order. This graded safety basis approach shall include a facility description for the work areas, work hazards, address any Building 350 infrastructure deficiencies, and controls to ensure safety for workers

Plan of the Day:

The contractor's Project Manager or delegate shall attend the NBL Plan of the Day (POD) meeting held at 9:00 each day to discuss planned D&R work for the day and anticipated schedule needs for the week ahead. DOE will adjust the time for the POD to ensure coordination of work activities within Building 350 are not in conflict.

Single Business Unit Point of Contact:

Regardless of any business partnerships or arrangements among contractors performing work under this Task Order, there will be a single designated Point of Contact (POC) for work conducted under this Task Order. The contractor(s) performing work under this Task Order shall present one face to the Government. The Task Order contractors shall fully cooperate with each other, not duplicate activities between the two Task Order contractors (unless necessary and/or required by statute, law, or regulatory requirements), and shall ensure that integration of all activities occurs to ensure the Task Order completion. The Task Order contractor(s) shall provide the Department within five working days of award, an integrated clear delineation of the areas of responsibility under the Task Order for which each Task Order contractor has primary responsibility.

Contractor System for Managing and Controlling Work

At a minimum, the contractor's system for managing and controlling work shall include:

1. Definition of the scope of the work to be performed;
2. Identification of the hazards to be expected in the performance of the work, including hazards of the work and of the work environment;
3. Requirements and provisions for mitigation of those hazards;
4. Provisions for worker training in the identified hazards and controls;
5. A means for controlling the work to ensure that the effort remains within scope and that hazard mitigations are maintained;
6. Provisions for active worker involvement in job safety and fitness for duty; and
7. Waste minimization program and or plan.

DOE personnel have the right to stop any activity, if continuation of that activity would either be considered an imminent danger situation or have a negative impact on the environment, safety or health of the site, the workers or the public. It shall be mandatory in the event of any such "stop work," that all work shall cease pending DCOR notification and resolution of the issue. The contractor must immediately notify the DCOR if any DOE personnel other than the DCO or DCOR stops any activity.

(A) An imminent danger situation exists when any condition or practice could reasonable be expected to cause death or serious physical harm immediately or before the imminence of such danger can be eliminated through enforcement procedures.

(B) A negative impact on the environment, safety or health of site workers or the public includes situation that result in unplanned releases to the environment; uncontrolled exposures to workers; the public; or programmatic failures that could result in these situations.

The DCO will resolve any disagreement between the contractor and DOE personnel regarding the application of these requirements.

U.S. Department of Labor Wage Determinations

(To be provided by DOE)