**AMENDMENT/Modification of Solicitation/Modification of Contract**

**2. Amendment/Modification No.**
- **Effective Date:** March 11, 2011
- **Requisition/Purchase Req. No.:** NA27344

**6. Issued By**
- **Code:**
  - U.S. Department of Energy/NNSA SC M&O Contract Support Division
  - P.O. Box 5400
  - Albuquerque, NM 87185-5400

**7. Administered By**
- **Code:**
  - U.S. Department of Energy/NNSA Livermore Site Office M/S L-293
  - 7000 East Avenue
  - Livermore, CA 94550

**8. Name and Address of Contractor (No., street, country, State, and Zip Code)**
- Lawrence Livermore National Security, LLC
- Lawrence Livermore National Laboratory M/S L-294
- 7000 East Avenue
- Livermore, CA 94550

**9A. Amendment of Solicitation No.**
- Lawrence Livermore National Security, LLC
- Lawrence Livermore National Laboratory M/S L-294
- 7000 East Avenue
- Livermore, CA 94550

**9B. Dated (see item 11)**
- May 8, 2007

**11. This Item Only Applies to Amendments of Solicitations**
- The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of offers is extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing item 8 and 25, and returning copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

**12. Accounting and Appropriation Data (if required)**

**13. This Item Applies Only to Modifications of Contracts/Orders,**
- This modifies the Contract/Order No. as described in item 14.

**14. Description of Amendment/Modification**
- (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)
- The purpose of the Modification is to authorize the disbursement in the amount of $284,642 in reimbursement of unallowable costs issued under Section VI of Consent Order 2010-01. The amount of $284,642 shall be utilized in accordance with the instructions set forth on page 2 of this Modification.

**15A. Name and Title of Signer (Type or print)**
- Ronna Promani, Contracting Officer
- U.S. Department of Energy/NNSA

**15B. Contractor/Offeror**
- (Signature of person authorized to sign)

**15C. Date Signed**
- 3/14/2011

**16A. Name and Title of Contracting Officer (Type or print)**
- Ronna Promani, Contracting Officer
- U.S. Department of Energy/NNSA

**16B. United States of America**
- 3/14/2011

**16C. Date Signed**
- (Signature of Contracting Officer)
2. The Contractor is hereby authorized to draw-down from the liability account 24200001 the amount of $284,642, which shall be applied to the projects listed on page 3 of this modification.

3. The Contractor shall provide documentation to the Contracting Officer for validation within 30 days from the date of this Modification that clearly demonstrates that the $284,642 has been appropriately applied to the attached list of projects. The Contractor shall segregate all costs for these projects and activities and provide quarterly cost performance and activity reports not later than 15 days after the end of each quarter through the end of the fiscal year.

4. All other terms and conditions remain unchanged.
<table>
<thead>
<tr>
<th>Project</th>
<th>Description of costs</th>
<th>SK</th>
<th>Milestone or Deliverables</th>
<th>Proposed Schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide one-time funding to HSD to ensure medical surveillance is available to GSE for past-exposed workers.</td>
<td>This is for the workers potentially exposed in the 321C event of 2007. Surveillance of current GSE workers is covered in GSE’s contract. They are willing to cover past workers starting next FY. No organization requested funding to cover past workers this FY.</td>
<td>20K</td>
<td>Single deliverable: Memo from SOMO summarizing the funding available, and communications to GSE documenting the provision of beryllium medical surveillance for past-exposed workers.</td>
<td>Memo provided within 1 month of funding. Coverage will be provided through duration of FY2011.</td>
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<td>Health and Safety Technician posting and labeling campaign for Be areas and equipment.</td>
<td>O/T for Health and Safety Techs and potentially programmatic staff to identify areas/equipment</td>
<td>35K</td>
<td>Memo from Be SME describing areas assessed and relabeled, and equipment posted and labeled.</td>
<td>Labeling campaign completed by 3 months after funding.</td>
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<tr>
<td>Localized decontamination, release and re-posting of routinely-accessed ventilation areas in B-231</td>
<td>O/T for Health and Safety Techs, Sampling and analytical costs.</td>
<td>10K</td>
<td>Single deliverable: Memo from Be SME summarizing decontamination steps taken, and final status of mechanical space in B-231, with summary of characterization sampling of all accessible areas.</td>
<td>Decon complete by 3 months after funding.</td>
</tr>
<tr>
<td>Trip to Brush Wellman for Be SME, Security rep, and Procurement rep to negotiate a contract for disposition of classified and unclassified beryllium parts</td>
<td>Commercial provider will develop new functionality for Spiramid. Costs will be shared across several DOE users, but, once implemented, maintenance becomes part of on-going Spiramid maintenance contract. Ensures a higher level of compliance with required routines (currently scheduled via an excel spreadsheet), and enables the reporting of several valuable beryllium-related metrics useful in monitoring the health of the beryllium safety program. The system also represents a significant labor-savings from maintenance of the current spreadsheet.</td>
<td>10K</td>
<td>Single deliverable: Proposal from Spiramid outlining upgrade and providing estimate.</td>
<td>Milestone 1: Proposal from Spiramid outlining upgrade and providing estimate. Milestone 2: Procurement placed for upgrade. Milestone 3: Upgrade installed and functional. Milestone 4: System in use.</td>
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<tr>
<td>IT upgrade to newly-purchased Industrial Hygiene database (Spiramid) to schedule and track completion of beryllium-related (among other IH-related) swipe/survey/surveillance routines.</td>
<td></td>
<td>84,642</td>
<td></td>
<td>Milestone 1: Proposal from Spiramid outlining upgrade and providing estimate. Milestone 2: Procurement placed for upgrade. Milestone 3: Upgrade installed and functional. Milestone 4: System in use.</td>
</tr>
<tr>
<td>Decontaminate Laser machining lab in B-329, and attempt to downgrade facility</td>
<td>O/T for Health and Safety Techs, Sampling and analytical costs.</td>
<td>50K</td>
<td>Single deliverable: Memo from Be SME summarizing decontamination steps taken, and final status of lab in B-329, with summary of characterization sampling of all accessible areas.</td>
<td>Decon complete by 9 months after funding.</td>
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<td>Finalize the ventilation survey of B-231 to document the current configuration of the HVAC system</td>
<td>Pay Mech Engineer to map HVAC system and write report</td>
<td>10K</td>
<td>Single deliverable: Final report that documents the current configuration of the HVAC systems in B-231, including identification of the AC units and ducting supplying and returning room air to the various labs and shops. Limited sampling campaign of the accessible elements of these systems.</td>
<td>Report provided by 7 months after funding.</td>
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<td>Equipment for the Industrial Hygiene Instrumentation Laboratory (personnel sampling pumps, etc)</td>
<td></td>
<td>25K</td>
<td>Single deliverable: Memo from IH Section Leader summarizing instrument purchase plan and schedule. Follow-up will include which instruments were delivered and are in use.</td>
<td>Memo provided by 7 months after funding.</td>
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<td>Additional replacement campaign for beryllium/copper non-sparking tools</td>
<td>Purchase tools, O/T for techs to collect and dispose.</td>
<td>20K</td>
<td>Memo from Be SME describing number and work area of purchased tools, and describing BeCu tools that were disposed of.</td>
<td>Memo provided by 7 months after funding.</td>
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<tr>
<td>PLS chemist to finalize report on naturally-occurring beryllium in Livermore area soils</td>
<td></td>
<td>20K</td>
<td>Single deliverable: Final report that documents the results of studies of naturally-occurring beryllium in Livermore area soils, and identifies correlated elements to allow use as tracers for natural beryllium.</td>
<td>Report provided by 9 months after funding.</td>
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<td><strong>TOTAL:</strong></td>
<td></td>
<td><strong>528,642</strong></td>
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<td></td>
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