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| AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT | | 1. CONTRACT ID CODE | PAGE OF PAGES 1 2 |
| 2. AMENDMENT/MODIFICATION NO. 0291 | 3. EFFECTIVE DATE See Block 16C | 4. REQUISITION/PURCHASE REQ. NO. | 5. PROJECT NO. (If applicable) |
| 6. ISSUED BY NNSA/Contracts & Procurement Div. U.S. Department of Energy Contracts and Procurement Division P.O. Box 5400 Albuquerque NM 87185-5400 | CODE 05001 | 7. ADMINISTERED BY (If other than Item 6) NNSA/Los Alamos Site Office U.S. Department of Energy Los Alamos Site Office 3747 West Jemez Road Los Alamos NM 87544 | CODE 05003 |
| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) LOS ALAMOS NATIONAL SECURITY, LLC Attn: STEVE SHOOK P.O. BOX 1663, MS M722 LOS ALAMOS NM 875450001 | | (x) 9A. AMENDMENT OF SOLICITATION NO. | |
| CODE 175252894 FACILITY CODE | | 9B. DATED (SEE ITEM 11) | |
| | | x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC52-06NA25396 | |
| | | 10B. DATED (SEE ITEM 13) 12/21/2005 | |

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 is not 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 Items 8 and 15, 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 ACKNOWLEDGEMENT 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 ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

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|-----------|---|
| CHECK ONE | A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. |
| | B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). |
| | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: |
| X | D. OTHER (Specify type of modification and authority) P.L. 95-91 and Other Applicable Laws |

E. IMPORTANT: Contractor is not is required to sign this document and return 1 copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The purpose of this modification is to incorporate Part III, List of Documents, Exhibits, and Other Attachments, Section J, List of Attachments, Appendix S by reference.

See Page 2.

Period of Performance: 12/21/2005 to 09/30/2018

Except as provided herein, all terms and conditions of the document referenced in Item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

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|--|------------------------------|---|-------------------------------|------------------------------|
| 15A. NAME AND TITLE OF SIGNER (Type or print) Paul D. Henry Deputy Laboratory Director Contracting | 15C. DATE SIGNED 11/20/14 | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Robert M. Poole | 16B. UNITED STATES OF AMERICA | 16C. DATE SIGNED 11/25/14 |
| <small>(Signature of person authorized to sign)</small> | | <small>(Signature of Contracting Officer)</small> | | |

The purpose of this Modification is to update the following:

- A. Refer to Part III, List of Documents, Exhibits, and Other Attachments, Section J, List of Attachments. The following Appendix, incorporated by reference, is added as follows:

Appendix S

Contractor Support to Cooperative Agreement DE-NA0002067 (November 2014)

PART III - SECTION J

APPENDIX S

CONTRACTOR SUPPORT TO COOPERATIVE AGREEMENT DE-NA0002067

The Contractor will provide support to the Los Alamos County Fire Department (LAFD) to allow the County to provide an enhanced level of fire department services for the benefit of the personnel of and area within and adjacent to the boundaries of the Los Alamos National Laboratory (“LANL”). This support recognizes the increased risks posed by a national laboratory in which radiological or other hazardous materials may be present and assures that responses to emergencies at LANL nuclear facilities will be adequate and consistent with Safety Basis requirements. Any support provided is subject to, and limited to, the availability of funds. Any action that is NOT included in this Appendix requires written Los Alamos Site Office Contracting Officer approval.

Note: The reference notations provided at the end of each service stipulated in this Appendix are citations from the Cooperative Agreement DE-NA0002067 between the NNSA Los Alamos Site Office and the Incorporated County of Los Alamos with an effective date of October 1, 2013, and is included for information only. Any modifications or changes to Cooperative Agreement DE-NA0002067 October 1, 2013 do not affect this Appendix unless incorporated through modification to DE-AC52-06NA25396. This Appendix is specific to the requirements for the Los Alamos National Security, LLC (LANS’) support of the LAFD related to their work under Cooperative Agreement DE-NA0002067 and Fire Stations 1 and 5.

Apparatus, Vehicles, and Equipment: (CA Attachment 1 - pg 9 and 10)

The Contractor will provide:

- Maintenance of DOE owned or leased apparatus and vehicles, and provide for the maintenance of DOE or county-owned equipment to include radios, cell phones, annual service testing equipment, small engines, and LANL map-generating equipment.
- Appurtenances associated with the modification of vehicles to make them response-ready. However, the LAFD must ensure all modifications (i.e. lights, sirens, etc.) to federally owned or furnished (e.g., GSA) vehicles are coordinated with and approval obtained from the NNSA Site Office Contracting Officer before any modifications are made.

Fire Stations 1 and 5: (CA Attachment 1- pg 10)

The Contractor will provide:

- All maintenance, remodeling and upgrading to either of the fire station facilities or the fixtures, furnishings, or equipment. Remodeling and upgrades outside the bounds of approved infrastructure utility plans will require NNSA Site Office Contracting Officer approval and confirmation of available funds.
- In accordance with Federal Personal Property Definitions §101-26.505-2 Furnishings include articles which supplement office furniture and augment the utility of the space assigned. These articles typically include lamps, desk trays, smoking stands, waste receptacles, carpets, and rugs. The Contractor will not provide sheets, blankets, silverware, cookware etc., unless directed by the LASO CO.

§109-1.100-51 Equipment means any item of personal property having a unit acquisition cost of \$5,000 or more and having the potential for maintaining its integrity (i.e., not expendable due to use) as an item.

§101-25.107 Consumable items are considered to include those items actually consumed in use (e.g., pads and pencils) and those items required in performance of duties but for which, primarily by reason of the low value involved, no formal accountability is maintained after issue, and are generally referred to as “expendable.” The Contractor will not provide consumables unless directed by the LASO CO.

Training: (CA Attachment 1 - pg 10)

The Contractor will:

- Schedule, plan and coordinate training, drills, and exercises consistent with the expectations stated in the LANS procedure No. P1220-1 (current version), *LANL Firefighter Training Requirements* with particular emphasis on nuclear, radiological and unique industrial hazards.

Security – (CA Attachment 1 – pg 11 and 12)

The Contractor will provide:

- Q Clearance: LAFD personnel engaged in providing fire department services to LANL must obtain and maintain the appropriate security clearance (Q clearance) and LANL access. The Contractor will process the appropriate clearances and accesses to authorized LAFD personnel.
- Badge Office: The Contractor will issue approved DOE Badges to LAFD personnel engaged in providing fire department services to LANL. LAFD has agreed to comply with all policies and procedures related to DOE Badges.

Substance Abuse Testing: (CA Attachment 1 – pg 12)

The Contractor will:

- Provide testing services in accordance with LASO Contracting Officer direction SO:21BG-233631 provided to LANS on February 16, 2010.

Explosive Shots: (CA Attachment 1 – pg 14)

The Contractor will:

- Request the County to provide on-location stand-by for fire suppression services for the Laboratory’s outdoor explosive shot testing.

High-Hazard Operations: (CA Attachment 1 – pg 14)

The Contractor will:

- Request LAFD to provide on-location stand-by for rescue and medical services for high-hazard operations and special events, such as:
 - Confined space entries in nuclear/radiological, or high hazard areas only
 - Annual hazmat challenge at TA-49
 - Very Important Person visits

- The Laboratory area “open houses”

Elevator and Confined Space Rescue: (CA Attachment 1 – pg 14)

The Contractor will:

- Coordinate with LAFD, for any elevator and confined space rescue services that are provided at LANL.

Reporting: (CA Attachment 1 – pg 15)

The Contractor will

- Coordinate with LAFD to ensure fire hydrant flow testing activities and reports are designed to support LANL’s needs.

Health and Wellness Program – (CA Attachment 1 – pg 15 and 16)

The Contractor will provide:

- A yearly medical physical (compliant with NFPA 1582 Standards) administered by the Contractor.
- A yearly fitness evaluation, currently known as the Microfit Standard, conducted by the Contractor.
- Wellness/fitness equipment that is used by LAFD at the Wellness Center and both LANL Fire Stations.
- Immunizations required by NFPA 1582.

Coordination (CA Attachment 1 – pg 16)

The Contractor will provide:

- Points of Contact (POC) for communications between the LAFD and the LANL. The designated POC’s will be established for operations and administration, enhanced training, and drills and exercises. Initially designated POCs will be provided to LAFD under separate cover and updated when information changes.

Government Furnished Property: (Attachment 5)

The LAFD has an NNSA approved Personal Property Management Plan and is responsible for property administration and accountability including but not limited to: acquisition, tracking, reporting, inventories, and stewardship of Government Furnished Property (GFP) assigned to Cooperative Agreement DE-NA0002067.

The Contractor will provide:

- Maintenance and annual checks on all GFP owned or leased equipment/vehicles that are assigned to LAFD.
- Maintenance on all GFP owned and LAFD owned radios that are assigned to LAFD.
- Maintain cell phones that are federally owned.
- Assistance with GFP disposal

Dosimetry and Radiological Monitoring:

(not specifically cited in Cooperative Agreement DE-NA0002067 but inherent to LANS' contractual requirements in DE-AC52-06NA25396)

The Contractor will provide:

- Personal dosimetry devices and tracking of employee radiological exposure as it relates specifically to LAFD operations at the Laboratory.
- Inspection, testing, maintenance and calibration of radiological monitoring equipment owned or operated by the LAFD

Administrative Support:

(not specifically cited in Cooperative Agreement DE-NA0002067 but inherent to LANS' contractual requirements in DE-AC52-06NA25396)

The Contractor will provide administrative support only as it relates specifically to LAFD operations on LANL. A restricted number of LAFD administrative support staff will have limited access to applicable LANS systems which will require secure identification systems, and LANL specific initial and annually required training such as General Employee Training, Annual Information Security Refresher, Substance Abuse Policy, Workplace Violence, etc. The Contractor will also be responsible for functions that include but are not limited to tracking of LAFD employee statuses, entry and maintenance of information and assigning Z-numbers in accordance with applicable security requirements. Additional administrative support beyond the requirements stated herein, will require NNSA Site Office Contracting Officer approval and confirmation of available funds.

Environmental, Safety and Health Activities:

(not specifically cited in Cooperative Agreement DE-NA0002067 but inherent to LANS' contractual requirements in DE-AC52-06NA25396)

The Contractor will provide environmental and safety support only as it relates specifically to LAFD operations on LANL.