AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

2. AMENDMENT/MODIFICATION NO. 0077
3. EFFECTIVE DATE See Block 16C
4. REQUISITION/PURCHASE REQ. NO.
5. PROJECT NO. (If applicable)
6. ISSUED BY Idaho Operations Office
   Idaho Operations
   U.S. Department of Energy
   Idaho Operations
   Idaho Falls ID 83415

7. ADMINISTERED BY (If other than Item 6) Idaho Operations
   U.S. Department of Energy
   Idaho Operations
   1955 Fremont Avenue
   MS 1221
   Idaho Falls ID 83415

8. NAME AND ADDRESS OF CONTRACTOR
   SPECTRA TECH, INC.
   Attn: Loong Yong
   132 JEFFERSON COURT
   OAK RIDGE TN 378304821

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11) 10/21/2015

10A. MODIFICATION OF CONTRACT/ORDER NO.

10B. DATED (SEE ITEM 13) 10/21/2015

The purpose of this modification is to add incremental work scope, within the general scope of the contract, to Sections C.3.4.1 - FSV Office Space and Custodial Services, and to Section C.4.2 - TMI-2 Operations.

Payment:
FOB: Destination
Period of Performance: 01/04/2016 to 03/31/2021

Change Item 00002 to read as follows (amount shown is the total amount):

Continued...

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

15A. NAME OF SIGNER (Type or print)
Robert Milazzo/ Vice President

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED 10/8/2019

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
Aaron Nebeker

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED 10/8/2019
SPECTRA TECH, INC.

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>SUPPLIES/SERVICES</th>
<th>QUANTITY</th>
<th>UNIT PRICE</th>
<th>AMOUNT</th>
</tr>
</thead>
<tbody>
<tr>
<td>00002</td>
<td>Base Period (less TMI-2 License Renewal) 30,600,187.57 (four years from the end of transition)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Line item value is: $30,600,187.57
Incrementally Funded Amount: $29,744,862.40

Section C.3.4.1 - FSV Office Space and Custodial Services is revised as follows: Due to the timing and the scope of the changes made during the design of the FSV building, both parties have agreed that the additional work performed by the contractor to implement DOE's changes justified an increase to the contract value. See the CO for further details. Based on this change, the total value of this work is $22,500.00.

The following work scope is added to Section C.4.2 - TMI-2 Operations: The Contractor shall perform the following items:

- Within 90 days after issuance of the license, submit an updated FSAR, to include the information from Appendix C to the LRA, as modified by any changes resulting from the renewal review. This is due December 20, 2019.
- Revise or create a program document describing the infrastructure and timing for implementing the activities in the AMPs described in the ISFSI FSAR within one year of the license effective date. This is due September 16, 2020.
- HSM-15 and its integral DSC overpack shall not be used for normal spent fuel operations. Issue management directive. This is due December 20, 2019.
- MP187 cask is prohibited for use as a transfer cask, if over 20 years old. Issue management directive. This is due December 20, 2019.
- TC spacers, if required for DSC retrieval, shall be fabricated fewer than 20 years before use. Issue management directive. This is due December 20, 2019.
- Update ISFSI Commitments Management Database to include all LRA and SER commitments. This is due December 20, 2019.
- Revise existing commitments, as necessary and notify NRC of changes. This is due December 20, 2019.

Continued...
This represents the first seven (7) items in STI's proposal dated July 31, 2019 and covers the initial phase. The total value of this work scope is $179,615.32.

Based on these changes above, the total CLIN-2 value is increased by $202,115.32.

<table>
<thead>
<tr>
<th>ITEM NO. (A)</th>
<th>SUPPLIES/SERVICES (B)</th>
<th>QUANTITY (C)</th>
<th>UNIT (D)</th>
<th>UNIT PRICE (E)</th>
<th>AMOUNT (F)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>