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| 2. AMENDMENT/MODIFICATION NO. M027 | 3. EFFECTIVE DATE See Block 16c | 4. REQUISITION/PURCHASE REQ. NO. | 5. PROJECT NO. (If applicable) |
|---------------------------------------|------------------------------------|----------------------------------|--------------------------------|

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| 6. ISSUED BY U.S. Department of Energy TJNAF Site Office 12000 Jefferson Avenue Newport News, Virginia 23606 | 7. ADMINISTERED BY (If other than Item 6) |
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| 8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Jefferson Science Associates, LLC 12000 Jefferson Avenue Newport News, Virginia 23606 | (X) | 9A. AMENDMENT OF SOLICITATION NO. |
| | | 9B. DATED (SEE ITEM 11) |
| | X | 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC05-06OR23177 |
| | | 10B. DATED (SEE ITEM 11) April 14, 2006 |

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 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 your 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)
N/A

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). |
| X | C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: In accordance with contract clause I.91 |
| | D. OTHER (Specify type of modification and authority) |

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

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

Except 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.

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| 15A. NAME AND TITLE OF SIGNER (Type or print) | 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) James A. Turi, Administrative Contracting Officer | | |
| 15B. CONTRACTOR/OFFEROR | 15C. DATE SIGNED | 16B. UNITED STATES OF AMERICA <i>James A. Turi</i> (Signature of Contracting Officer) | 16C. DATE SIGNED 5/23/07 |
| (Signature of person authorized to sign) | | | |

1. The purpose of this modification is to:

a. Add the following DOE Directives to List B in Appendix E:

| <u>Required Compliance</u> | <u>Title</u> | <u>Date</u> |
|----------------------------|--|-------------|
| DOE O 413.3A | Program and Project Management for the Acquisition of Capital Assets | 07/28/2006 |
| DOE M 450.4-1 | Integrated Safety Management System Manual | 11/01/2006 |

b. Delete the following DOE Directive under List B in Appendix E:

| <u>Required Compliance</u> | <u>Title</u> | <u>Date</u> |
|----------------------------|--|-------------|
| DOE O 413.3 | Project Management for the Acquisition of Capital Assets | 10/13/2000 |
| DOE M 413.3-1 | Project Management for the Acquisition of Capital Assets | 03/28/2003 |

2. All other terms and conditions remain the same.