

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		BPA NO.	1. CONTRACT ID CODE	PAGE 1 OF 5
2. AMENDMENT/MODIFICATION NO. M002		3. EFFECTIVE DATE MAR 29 2012		4. REQUISITION/PURCHASE REQ. NO. RES-12-103 Dated 01/22/12
5. PROJECT NO. (if applicable)				
6. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Aracelis Perez-Ortiz Mail Stop: TWB-01-B10M Washington, DC 20555		7. ADMINISTERED BY (if other than Item 6) U.S. Nuclear Regulatory Commission Div. of Contracts Mail Stop: TWB-01-B10M Washington, DC 20555		CODE 3100

8. NAME AND ADDRESS OF CONTRACTOR (No. , street, county, State and ZIP Code)		(X)	9A. AMENDMENT OF SOLICITATION NO.
VEQTER LTD 39 CASTLE STREET LEICESTER 39 CASTLE STREET LEICESTER LE 1E1 5WN			9B. DATED (SEE ITEM 11)
			10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-HQ-11-C-04-0081
CODE 738309215		FACILITY CODE	10B. DATED (SEE ITEM 13) 09-30-2011

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 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) N/A

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X)	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: FAR 43.103(a) Bilateral Agreement
	D. OTHER (Specify type of modification and authority)

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.)
See page 2 through 5 for modification details.

Ceiling: \$402,703.39 (Changed)
Total Obligation: \$80,000.00 (Unchanged)
Period of Performance: 09/30/2011 - 03/31/2012 (Unchanged)

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.

15A. NAME AND TITLE OF SIGNER (Type or print) DR ED KINGSTON, MANAGING DIRECTOR		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Adelis M. Rodriguez Contracting Officer	
15B. CONTRACTOR/OFFEROR (Signature of person authorized to sign)	15C. DATE SIGNED 23/3/12	16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer)	16C. DATE SIGNED 3/20/12

NSN 7540-01-152-8070
PREVIOUS EDITION NOT USABLE

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA - FAR (48 CFR) 53.243

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

APR 11 2012

ADM002

The purposes of this modification are to: (1) include CLIN 0006, Residual Stress Database license through January 1, 2013, in the amount of \$6,463.39, thereby increasing the ceiling amount of the contract from \$396,240.00 to \$402,703.39; (2) modify Section 4 of the Statement of Work entitled SPECIFIC TASKS to include the requirement to report the results via the Residual Stress Online Database; and (3) modify Section 8 of the Statement of Work entitled Deliverables to include the delivery date of the access to the Residual Stress Database.

Accordingly, the following highlighted changes are hereby made:

- 1) Section B.4 entitled "**PRICE SCHEDULE**" is revised to read as follows:

CLIN	ITEM DESCRIPTION	UNIT PRICE	UNIT	EST. QTY	ESTIMATED TOTAL COSTS
0001	Axial or 45° DHD Measurement on J-Groove Weld in Control Rod Drive Mechanism (CRDM) Nozzle or Bottom Mounted Instrument (BMI) Nozzle		Each		
0002	Radial DHD Measurement on J-Groove Weld on CRDM or BMI Nozzle		Each		
0003	Radial DHD Measurement on CRDM or BMI Nozzle		Each		
0004	Monthly Letter Status Report		Each		
0006	"Residual Stress Database" license until 01/01/2013		Each		
ESTIMATED FIRM FIXED PRICE SUBTOTAL					\$399,703.39
0005	Return Shipping (Cost Reimbursable) (Not to Exceed) Shipping arrangements shall be made by the Contractor as specified under each Delivery Order issued by the NRC CO or PO. The contractor will be reimbursed for actual cost only, with back up documentation/receipts attached to the invoice. No payments will be made without back up documentation or receipts.				
ESTIMATED COST REIMBURSABLE SUBTOTAL					
TOTAL CEILING AMOUNT					\$402,703.39

- 2) Section B.5 entitled "**CONSIDERATION AND OBLIGATION - INDEFINITE-QUANTITY CONTRACT (AUG 2011)**", paragraph (a) is revised to read as follows:

"(a) The estimated total ceiling of this contract for the product/services is \$402,703.39."

- 3) Section B.6 entitled "**STATEMENT OF WORK**," Subsection 4 entitled "**SPECIFIC TASKS**", is revised to read as follows:

4.1 TASK 1: AXIAL OR 45° DHD MEASUREMENTS ON A J-GROOVE WELD

The contractor shall take DHD measurements of each CRDM nozzle or 8MI nozzle at locations parallel or at a 45° angle to the nozzle and into the J-groove weld. The exact location and number of measurements on the nozzle will be specified by the NRC CO or PO under each Delivery Order.

Deliverables:

The contractor shall provide the CO and PO a report describing the location specific residual stresses measured. The report shall contain residual stress data in tabular form and these results will also be provided electronically as Excel files.

Measurements results shall be reported via the Veqter Residual Stress online database.

Due Date:

The contractor shall submit the report no later than two weeks after completing each DHD measurement.

4.2 TASK 2: RADIAL DHD MEASUREMENT ON A J-GROOVE WELD

The contractor shall take DHD measurements of each CRDM nozzle or BMI nozzle at locations horizontal to the nozzle and into the J-groove weld. The exact location and number of measurements on the nozzle will be specified by the NRC CO or PO under each Delivery Order.

Deliverables:

The contractor shall provide the CO and PO a report describing the location specific residual stresses measured. The report shall contain residual stress data in tabular form and these results will also be provided electronically as Excel files.

Measurements results shall be reported via the Veqter Residual Stress online database.

Due Date:

The contractor shall submit the report no later than two weeks after completing each Deep Hole Drilling measurement.

4.3 TASK 3: RADIAL DHD MEASUREMENT ON NOZZLE ONLY

The contractor shall take horizontal DHD measurements of each CRDM or BMI nozzles above the Reactor Pressure Vessel. The exact number of measurements on the nozzle will be specified by the NRC CO or PO under each Delivery Order.

Deliverables:

The contractor shall provide the CO and PO a report describing the location specific residual stresses measured. The report shall contain residual stress data in tabular form and these results will also be provided electronically as Excel files. Measurements results shall be reported via the Veqter Residual Stress online database.

Due Date:

The contractor shall submit the report no later than two weeks after completing each DHD measurement.

4.4 TASK 4: REPORTING REQUIREMENTS

Furnish a summary document detailing the location specific residual stress measured for each task completed during the contracting period. Report shall contain residual stress data in tabular form and these results shall also be provided electronically as Excel files. The contractor shall identify any areas where additional information is required for any of the stated tasks. Technical details pertaining to the measurement will be reported at the level typical of a peer-reviewed journal publication.

In addition to a written report, these measurement results shall be reported via the Veqter Residual Stress online database. This will provide the Office of Nuclear Regulatory Research (RES) a mechanism to share residual stress results, as well as access results for similar measurements available in the database of interest to RES."

4.5 TASK 5: MONTHLY LETTER STATUS REPORT

A Monthly Letter Status Report (MLSR) is to be submitted to the NRC CO and PO by the 20th of the month following the month to be reported with copies provided to the following:

Ashlee.Bushell@nrc.gov
Matthew.Kerr@nrc.gov
Howard.Rathbun@nrc.gov
David.Rudland@nrc.gov
Aladar.Csontos@nrc.gov
RESDEMSR.Resource@nrc.gov

The MLSR will identify the title of the project, the job code, the Principal Investigator, the period of performance, the reporting period, summarize each month's technical progress, list monthly spending, total spending to date, and the remaining funds and will contain information as directed in NRC Management Directive 11.1. Any administrative or technical difficulties which may affect the schedule or costs of the project shall be immediately brought to the attention of the NRC project officer.

4.6 TASK 6: RETURN SHIPPING

The contractor shall coordinate shipping arrangements for the return of each nozzle provided by the NRC.

Deliverables:

The quantity of return shipments and the exact location will be specified by the NRC CO or PO under each Delivery Order.

Due Date:

Delivery dates shall be specified by the NRC CO or PO under each Delivery Order.

- 4) Section B.6 entitled "**STATEMENT OF WORK**," Subsection 8 entitled "**DELIVERABLES**", is revised to read as follows:

CLIN	ITEM DESCRIPTION	DUE DATE
0001	Axial or 45° DHD Measurement on J-Groove Weld in Control Rod Drive Mechanism (CRDM) Nozzle or Bottom Mounted Instrument (BMI) Nozzle	No later than 2 weeks after each drilling.
0002	Radial DHD Measurement on J-Groove Weld on CRDM or BMI Nozzle	No later than 2 weeks after each drilling.
0003	Radial DHD Measurement on CRDM or BMI Nozzle	No later than 2 weeks after each drilling.
0004	Monthly Letter Status Report	20 th of each month
0005	Shipping: Destination To Be Specified by Delivery Order	To Be determined by delivery Orders
0006	"Residual Stress Database" license through 01/01/2013	Effective date of modification no. M002

This modification does not obligate funds. All other terms and conditions remain unchanged.

END OF TEXT