

2. AMENDMENT/MODIFICATION NO. A046	3. EFFECTIVE DATE See Block 16.c	4. REQUISITION/PURCHASE REQ. NO. 28-06RW12152.001 and .002	5. PROJECT NO. (If applicable) QA:NA
6. ISSUED BY U.S. Department of Energy Office of Repository Development (ORD) 1551 Hillshire Drive, M/S 523 Las Vegas, NV 89134	7. ADMINISTERED BY (If other than Item 6) U.S. Department of Energy Office of Repository Development (ORD) 1551 Hillshire Drive, M/S 523 Las Vegas, NV 89134		

8. NAME AND ADDRESS OF CONTRACTOR (No. Street, county, State and ZIP; Code) Booz-Allen & Hamilton. Inc 8283 Greensboro Drive McLean, Virginia 22102-3838	<input checked="" type="checkbox"/> 9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 11)
	<input checked="" type="checkbox"/> 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC28-02RW12152
	10B. DATED (SEE ITEM 13) June 16, 2002

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 one (1) copy 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 DATA 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 data specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)
SEE PAGE 2

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

<input checked="" type="checkbox"/> 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:
<input checked="" type="checkbox"/> D. OTHER Specify type of modification and authority) Unilateral modification IAW FAR 52.232.22 "Limitation of Funds (APR 1984)" and H.20 "Ordering Procedure"
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return <u>0</u> copies to the issuing office.

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

SEE PAGE TWO (2).

EXECUTED COPY

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) Birdie Hamilton-Ray CONTRACTING OFFICER	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Birdie Hamilton-Ray CONTRACTING OFFICER
15B. CONTRACTOR/OFFEROR <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED
16B. UNITED STATES OF AMERICA BY <i>Birdie Hamilton-Ray</i> <i>(Signature of Contracting Officer)</i>	16C. DATE SIGNED 10/24/05

The purpose of this modification is to increase the total amount obligated under this contract by \$792,570.00 and to issue task YM06-02 "Monitor, Review & Analyze Engineering and Technical Issues". As a result, the following changes are made to the contract:

1. Incremental funding in the amount of \$792,570.00 is being added to the contract. Accordingly,
 - a. The following accounting and appropriation data is added to Standard form 33, Block 21, "Accounting and Appropriate Data":

Approp. Symbol	B&R No.	Purchase Request #	Dollar Amount	Obj. Class	ADS/T TP	AFP
89X5227.91 WD	DF0105110	28-06RW12152.001	\$80,400.00	25.1	NS 67-91	CC:0000
89X5227.91 WD	DB0904101	28-06RW12152.002	\$6,030.00	25.1	NS 67-91	CC:0000
89X5227.91 WD	DB0904102	28-06RW12152.002	\$28,676.00	25.1	NS 67-91	CC:0000
89X5227.91 WD	DB0904103	28-06RW12152.002	\$30,552.00	25.1	NS 67-91	CC:0000
89X5227.91 WD	DB0905101	28-06RW12152.002	\$23,450.00	25.1	NS 67-91	CC:0000
89X5227.91	DB0905102	28-06RW12152.002	\$22,780.00	25.1	NS 67-91	CC:0000
89X5227.91	DB0905103	28-06RW12152.002	\$6,030.00	25.1	NS 67-91	CC:0000
89X5227.91	DB0905104	28-06RW12152.002	\$43,014.00	25.1	NS 67-91	CC:0000
89X5227.91	DB0905201	28-06RW12152.002	\$113,900.00	25.1	NS 67-91	CC:0000
89X5227.91	DB0906200	28-06RW12152.002	\$27,738.00	25.1	NS 67-91	CC:0000
89X5227.91	DB0958000	28-06RW12152.002	\$268,000.00	25.1	NS 67-91	CC:0000
89X5227.91	DF0105120	28-06RW12152.002	\$142,000.00	25.1	NS 67-91	CC:0000

STARS Strings:

02800.2006.01.100298.61000000.25200.2823528.0000000.0000000.0000000.0000000 – \$ 80,400.00
 02800.2006.01.100298.6100000000.25100.2823423.0000000.0000000.0000000.0000000 – \$ 6,030.00
 02800.2006.01.100298.6100000000.25100.2823424.0000000.0000000.0000000.0000000 – \$ 28,676.00
 02800.2006.01.100298.6100000000.25100.2823425.0000000.0000000.0000000.0000000 – \$ 30,552.00
 02800.2006.01.100298.6100000000.25100.2823427.0000000.0000000.0000000.0000000 – \$ 23,450.00
 02800.2006.01.100298.6100000000.25100.2823428.0000000.0000000.0000000.0000000 – \$ 22,780.00
 02800.2006.01.100298.6100000000.25100.2823429.0000000.0000000.0000000.0000000 – \$ 6,030.00
 02800.2006.01.100298.6100000000.25100.2823430.0000000.0000000.0000000.0000000 – \$ 43,014.00
 02800.2006.01.100298.6100000000.25100.2823431.0000000.0000000.0000000.0000000 – \$113,900.00
 02800.2006.01.100298.6100000000.25100.2823434.0000000.0000000.0000000.0000000 – \$ 27,738.00
 02800.2006.01.100298.6100000000.25100.2823479.0000000.0000000.0000000.0000000 – \$268,000.00
 02800.2006.01.100298.6100000000.25100.2823529.0000000.0000000.0000000.0000000 – \$142,000.00

- b. The total amount obligated under this contract is increased as follows:

From: \$83,003,595.26 (modification A045)

Increase: 792,570.00

To: \$83,796,165.26

- c. Clause B.5 "FAR 52.232-22 Limitation of Funds" is revised as Follows:

From:

Total funds in the amount of \$83,003,595.26 have been allotted for obligation and are available for payment of costs and fee to be incurred from the effective date of this contract through the period estimated to end June 15, 2006.

To:

Total funds in the amount of \$83,796,165.26 have been allotted for obligation and are available for payment of costs and fee to be incurred from the effective date of this contract through the period estimated to end June 15, 2006.

d. Fiscal year 2006 funding, by task, is as follows:

Task	Description	Estimated \$	Obligated \$	Unobligated \$
YM04-02A	Natural Analogs	\$250,000	\$250,000	\$0
HQ05-02E	Review of the TSPA	\$131,020	\$131,020	\$0
YM06-01	YM Base Task	*\$8,425,000	\$0	\$8,425,000
HQ06-01	HQ Base Task	\$9,015,000	\$570,170	\$8,444,830
YM06-02	Monitor Technical Iss	\$600,000	\$80,400	\$519,600
HQ06-02	Review of Tec Impacts	\$142,143	\$0	\$142,143
LSN (4.4.3)	LSN Support	\$1,013,131	\$142,000.00	\$871,131
Total		\$19,576,294	\$1,173,590	\$18,402,704

* The base support Task YM06-01 has been increased by \$119,000 (From \$8,306,000 (M043) to \$8,425,000). This increase has been approved by the CCB and will be used to review EPA/NRC regulation.

- The attached task, YM06-02, is being issued under contract clause H.20 "Ordering Procedure." The period of performance will be October 1, 2005 through June 15, 2006. This task may be extended an additional year at the discretion of the Contracting Officer.

End of Modification

**U.S. DEPARTMENT OF ENERGY
TASK ORDER**

CONTRACTOR NAME AND ADDRESS:

Richard L. Toft, General Manager
Booz-Allen & Hamilton, Inc.
1551 Hillshire Drive
Las Vegas, NV 89134

CONTRACT NUMBER: DE-AC28-02RW12152

CONTROL NUMBER:

TASK ORDER NUMBER: YM06-02

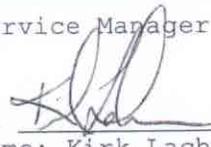
Sub Service
Manager

X: _____
Name: _____
Date: _____
Service Area: _____
702-794-_____

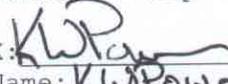
Sub Service
Manager

X: _____
Name: _____
Date: _____
Service Area: _____
702-794-_____

Service Manager

X: 
Name: Kirk Lachman
Date: _____
Service Area: _____
Tele: (702) 794-_____

Contracting
Officer's Rep

X: 
Name: KWPowers
Date: 10/11/05
Service Area: _____
Tele: (702) 794-1301

TITLE OF TASK ORDER: Monitor, Review & Analyze Engineering & Technical Issues

DESCRIPTION OF WORK TO BE PERFORMED: See attached

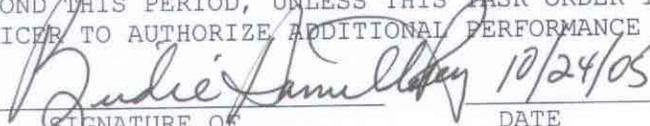
SCHEDULE OF PERFORMANCE/DELIVERABLES LIST AND DUE DATES: SEE ATTACHED PAGES.

NOTE: For each deliverable required by this Task Order, the Contractor shall submit to the Contracting Officer (CO) and to the Contracting Officer's Representative (COR) a copy of the transmittal letter which evidences timely receipt of the deliverable by the Department of Energy. A separate deliverable entitled "Final Task Status Report" shall provide totals of the cost, fee, and hours expended under this Task Order, and shall be provided to the CO, COR, and Service Manager within three months after the completion date of this Task Order.

PERIOD OF PERFORMANCE: See Attached

THIS TASK ORDER IS ISSUED PURSUANT TO THE ORDERING PROCEDURES CLAUSE OF THE SUBJECT CONTRACT.

THE CONTRACTOR SHALL NOT BE PAID FOR WORK PERFORMED OR COSTS INCURRED UNDER THIS TASK ORDER PRIOR TO THE DATE OF THE CO'S SIGNATURE BELOW. IN ADDITION, THE CONTRACTOR IS NOT AUTHORIZED TO PROCEED BEYOND THE PERFORMANCE PERIOD OF THIS TASK ORDER, NOR WILL THE CONTRACTOR BE PAID FOR ANY COSTS INCURRED BEYOND THIS PERIOD, UNLESS THIS TASK ORDER IS REVISED BY THE CONTRACTING OFFICER TO AUTHORIZE ADDITIONAL PERFORMANCE AND PAYMENT.


SIGNATURE OF _____ DATE 10/24/05
CONTRACTING OFFICER

Birdie V. Hamilton-Ray
TYPE NAME OF
CONTRACTING OFFICER

MTS Task # YM06-02 - Scope of Work (Revised 4-Oct-05)

Fuel in Air:

MTS will provide personnel with pertinent experience to assist DOE staff in evaluating proposed BSC solutions for the handling of bare commercial spent nuclear fuel (CNSF) in air. This evaluation would include, but is not limited to the analysis of accurately predicting nuclear fuel oxidation under process scenarios, contamination release and characteristics, contamination cleanup and monitoring, HVAC contamination control and disposal, ALARA aspects of design, and process flow and efficiency. Expertise may also be required in identification of "failed fuel" as defined in 10 CFR 961.

Nuclear Handling Equipment:

MTS will provide personnel with pertinent experience to assist DOE staff in the evaluation of nuclear handling equipment. The set of equipment needed for the final flow process must be evaluated. Existing industry capabilities versus those pieces of equipment that must be developed unique to this process need to be determined. The mix of this set of items will directly affect long lead procurement strategy and total time required. MTS personnel will assist in verifying BSC design, analysis, and validation through independent sources. Equipment qualification to nuclear standards/requirements and prototype testing methods will need to be developed and the adequacy of DDP's and other supporting documentation will need proper review and alternative evaluation.

Period of Performance & Deliverables:

The period of performance is expected to be from 1-Oct-05 through 15-June-06. The Government reserves the right to extend this period of performance to 15-June-07. Specific deliverables are not specified, but may include reports, briefings, etc. Any MTS deliverables will not be used as design input or for reviews of acceptance of designs, but solely for management information purposes. Any written documentation will contain "Work not subject to QARD".