

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE PAGE OF PAGES
1 3

2. AMENDMENT/MODIFICATION NO. M342	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY U.S. Department of Energy Brookhaven Site Office 53 Bell Avenue, Building 464 Upton, NY 11974-5000	CODE 06005	7. ADMINISTERED BY (If other than Item 6) Code	06005

8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code) Brookhaven Science Associates, LLC 25 Brookhaven Avenue Building 460 Upton, New York 11973-5000	<input checked="" type="checkbox"/>	9.A. AMENDMENT OF SOLICITATION NO.
		9.B. DATED (SEE ITEM 11)
	<input checked="" type="checkbox"/>	10.A. MODIFICATION OF Contract/Order NO. DE-AC02-98CH10886
		10.B. DATED (SEE ITEM 13) 01/05/1998
CODE N/A	FACILITY CODE N/A	

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)

N/A

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

<input 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.
<input type="checkbox"/>	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).
<input checked="" type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Mutual agreement of the parties
<input type="checkbox"/>	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 heading, including solicitation/contract subject matter where feasible.)

The purpose of this Modification is to Revise Clause I.139, Obligations of Funds; Update Section J.5, Appendix E, Key Personnel; Update Section J.9, Appendix I – DOE Directives and incorporate administrative changes further detailed on the following pages.

15A. NAME AND TITLE OF SIGNER (Type or print) Michael Goldman Secretary and General Counsel	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Evelyn Landini Contracting Officer
15B. CONTRACTOR/OFFEROR	16B. UNITED STATES OF AMERICA
15C. DATE SIGNED 11/16/2010	16C. DATE SIGNED 11/17/2010
 (Signature of person authorized to sign)	BY  (Signature of Contracting Officer)

Block 14 continued:

1. **Clause I.139 – DEAR 970.5232-4 - OBLIGATION OF FUNDS:** The first sentence of paragraph (a) is revised to read as follows: “The amount presently obligated by the Government with respect to this Contract is **\$6,557,666,441.14.**”

The following is a history of the changes to the obligated amount since the last Modification that updated Clause I.139.

PRIOR OBLIGATION MOD M338	\$ 6,452,842,642.90
INCREASE IN MOD A339	\$ 31,000.00
INCREASE IN MOD A340	\$ 10,690.39
INCREASE IN MOD A341	<u>\$ 104,782,107.85</u>
CURRENT TOTAL OBLIGATION:	\$6,557,666,441.14

2. **Section J.5, Appendix E – Key Personnel:** The Key Personnel List has been updated; replace the prior list with the updated list attached herein with the following changes. The title, ALD for Finance, is now the Chief Financial Officer; the ALD for Light Sources is now the Associate Laboratory Director, Photon Sciences; remove the asterisk by George Goode and remove the word “Interim” in front of his title.
3. **Section J.9, Appendix I – DOE Directives:** The DOE Directives list identified as Modification M324 has been revised; replace the prior version with the attached appendix I, identified as Modification M 342. The revisions are as follows:
 - a) Notice 153.2, CRD, CONNECTIVITY TO NATIONAL ATMOSPHERIC RELEASE ADVISORY CENTER (NARAC). Cancelled and removed.
 - b) Notice 203.1, CRD, Software Quality Assurance. Cancelled and removed.
 - c) Manual 205.1-5, Change 2, CRD – CYBER SECURITY PROCESS REQUIREMENTS MANAUAL, dated 12-22-09, cancels and removes M 205.1-5, Change 1, dated 9-1-09.
 - d) Manual 205.1-6, Change 2, CRD – MEDIA SANITIZATION MANUAL, dated 12-22-09, cancels and removes M 205.1-6, Change 1, dated 9-1-09.
 - e) Manual 205.1-7, Change 2, CRD – SECURITY CONTROLS FOR UNCLASSIFIED INFORMATION SYSTEMS MANUAL, dated 12-22-09, cancels and removes M 205.1-7, Change 1, dated 9-1-09.
 - f) Manual 205.1-8, Change 2, CRD – CYBER SECURITY INCIDENT MANAGEMENT MANUAL, dated 12-22-09, cancels and removes M 205.1-8, Change 1, dated 9-1-09.
 - g) Notice 205.14 EXTENSION OF DOE DIRECTIVES (N205.1 AND N 205.3). Cancelled and removed.
 - h) Notice 205.15 EXTENSION OF DOE DIRECTIVES (N 205.8, 205.9, 205.10, 205.11, 205.12). Cancelled and removed
 - i) Notice 205.16 EXTENSION OF DOE DIRECTIVES (N 205.2 AND N 205.3). Cancelled and removed.
 - j) Order 251.1C, DEPARTMENTAL DIRECTIVES PROGRAM, dated 1-15-2009, does not have a CRD and is therefore removed from Appendix I.
 - k) Notice 251.64, EXTENSION OF DOE DIRECTIVES (O 471.1A, M 471.1-1 Change 1, M 472.1-1B, O 473.2, AND N 473.9). Cancelled and removed.

- l) Notice 251.76, EXTENSION OF DOE N 234.1, REPORTING OF RADIOACTIVE SEALED SOURCES. Cancelled and removed.
- m) Order 350.1 Change 3 – CRD – CONTRACTOR HUMAN RESOURCE MANAGEMENT PROGRAMS, dated 2-23-10, Cancels O 350.1 Change 2, dated 11/22/09.
- n) Order 422.1 - CRD – CONDUCT OF OPERATIONS, added with Compliance Note: Applicable to Hazardous Category 1, 2, or 3 nuclear facilities and other facilities as defined by BSA in a Program Plan, to be approved by BHSO, for incorporating Conduct of Operations principles into BSA. Cancels O 5480.19 Change 2, dated 10/23/01.
- o) Manual 470.4-4 – CRD – INFORMATION SECURITY MANUAL, dated 1-16-09, retained with Compliance Note and moved to Part I from Part II of Appendix I.
- p) Order 471.1B – CRD – IDENTIFICATION AND PROTECTION OF UNCLASSIFIED CONTROLLED NUCLEAR INFORMATION, dated 3-1-10, cancels and removes DOE O 471.1A, dated 6-30-00, and DOE M 471.1-1, dated 10-23-01.

4. Administrative Changes – In order to incorporate administrative changes, take the following actions as indicated below:

- a) Modifications: A292-A296 – replace the current financial worksheets with the attached revised financial worksheets to indicate “Other Federal Appropriated” on the first summary line rather than “DOE Appropriated”. In addition, A296 has been re-titled “Naval Sea Systems” rather than “USDA Forest”.
- b) Modification A277 – make the pen & ink change from \$560,000.00 to \$560,000.00
- c) Modification A278 – make the pen & ink change to state “increases the obligated amount by \$366,000.00 from \$6,349,176,861.77 to \$6,349,542,861.77”.
- d) Modification A304 – corrected financial worksheet has been added to supporting documentation within STRIPES.
- e) Modification M324 – make the pen & ink change to delete “Secretarial direction and” from block 12C of the SF 30.

Attachments:

Section J.5, Appendix E – Key Personnel
Section J.9, Appendix I – DOE Directives
Financial Worksheets - A292-A296
Modification A277 – page 1 SF30
Modification A278 – page 1 SF30
Financial Worksheet page 1 - A304
Modification M324 – page 1 SF30

U.S. Department of Energy
and
Brookhaven Science Associates, LLC

ATTACHMENT J.5

APPENDIX E

KEY PERSONNEL

**Applicable to the Operation of
The Brookhaven National Laboratory**

**Contract No. DE-AC02-98CH10886
Modification No. M342**

Appendix E Key Personnel

Pursuant to the clause entitled, "Key Personnel," the following positions are considered to be essential to work being performed.

<u>Name</u>	<u>Title</u>
Dr. Samuel Aronson	Director
Mr. Michael Bebon	Deputy Director for Operations
Dr. Doon Gibbs	Deputy Director for Science & Technology
Mr. Lanny Bates	Assistant Laboratory Director, Facilities & Operations
Ms. Suzanne M. Davidson	Chief Financial Officer
Dr. Steven Dierker	Associate Laboratory Director, Photon Sciences
Mr. Michael Goldman	General Counsel
Mr. George Goode	Assistant Laboratory Director, ES&H
Dr. J. Patrick Looney	Assistant Laboratory Director, Policy and Strategic Planning
Ms. Margaret Lynch	Assistant Laboratory Director, Community, Education, Government & Public Affairs
Dr. Reinhold Mann	Associate Laboratory Director for Environment and Life Sciences
Dr. James Misewich	Associate Laboratory Director, Basic Energy Sciences
Dr. Gerald M. Stokes	Associate Laboratory Director, Global and Regional Solutions
Dr. Steven Vigdor	Associate Laboratory Director, Nuclear and Particle Physics

* Positions designated as "Interim" have not been officially approved as Key Personnel by DOE, but reflect the personnel functioning in the position.

U.S. Department of Energy
and
Brookhaven Science Associates, LLC

ATTACHMENT J.9

APPENDIX I

DOE DIRECTIVES/LIST B

**Applicable to the Operation of
The Brookhaven National Laboratory**

**Contract No. DE-AC02-98CH10886
Modification No. M342**

Appendix I
Modification No. M342
Supplemental Agreement to
Contract No. DE-AC02-98CH10886

APPENDIX I

DOE DIRECTIVES

There is no List A to this Appendix.

List B to this Appendix contains two parts as follows:

Part I: "Directives List"

This section contains a list of Directives that are considered by DOE as applicable to the BNL contract.

Part II: "Partial Deletions of Directives"

This section contains a list of Directives that are applicable, but have subsequently been revised by DOE to remove certain sections.

Appendix I - Part I

DOE DIRECTIVES LIST

DOE Directives may be found at the following address: <http://www.directives.doe.gov>

DATE	TYPE	NUMBER	THROUGH CHANGE	SUBJECT TITLE Contractor Requirements Document (CRD) Includes Compliance Notes as Necessary
1/25/07	Order	110.3A		CRD - Conference Management
9/29/95	Order	130.1		CRD - Budget Formulation Process
5/2/01	Policy	141.1		Department of Energy Management of Cultural Resources
1/13/04	Order	142.1		CRD – Classified Visits Involving Foreign Nationals
9/4/08	Manual	142.2-1		CRD – Manual for Implementation of the Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
12/15/06	Order	142.2A		CRD – Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
6/18/04	Order	142.3	1 2/28/08	CRD – Unclassified Foreign Visits and Assignments Program
5/8/08	Order	150.1		CRD – Continuity Programs
11/2/05	Order	151.1C		CRD - Comprehensive Emergency Management System
2/26/01	Notice	153.1		Connectivity to Atmospheric Release Advisory Capability
6/27/07	Order	153.1		CRD - Departmental Radiological Emergency Response Assets
12/23/08	Order	200.1A		CRD – Information Technology Management
1/7/05	Order	203.1		Limited Personal Use of Government Office Equipment Including Information Technology
5/8/01	Policy	205.1		Departmental Cyber Security Management Policy
12/4/06	Order	205.1A		CRD – Department of Energy Cyber Security Management
4/17/06	Manual	205.1-3		Telecommunications Security Manual
3/8/07	Manual	205.1-4		CRD – National Security System Manual
9/1/09	Manual	205.1-5	2 12/22/09	CRD – Cyber Security Process Requirements Manual
9/1/09	Manual	205.1-6	2 12/22/09	CRD – Media Sanitization Manual
9/1/09	Manual	205.1-7	2 12/22/09	CRD – Security Controls for Unclassified Information Systems Manual
9/1/09	Manual	205.1-8	2 12/22/09	CRD – Cyber Security Incident Management Manual
1/16/09	Order	206.1		CRD - Department of Energy Privacy Program
6/29/07	Notice	206.4		CRD - Personal Identity Verification
6/12/06	Order	210.2		CRD – DOE Corporate Operating Experience Program
4/19/08	Order	221.1A		CRD - Reporting Fraud, Waste, and Abuse to the Office of Inspector General
2/25/08	Order	221.2A		CRD - Cooperation with the Office of Inspector General
11/26/97	Order	225.1A		CRD - Type A and B Accident Investigations
7/31/07	Order	226.1A		CRD – Implementation of Department of Energy Oversight Policy

DOE DIRECTIVES LIST

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DATE	TYPE	NUMBER	THROUGH CHANGE	SUBJECT TITLE Contractor Requirements Document (CRD) Includes Compliance Notes as Necessary
3/19/04	Manual	231.1-1A	² 6/12/07	CRD - Environment, Safety, and Health Reporting Manual
8/19/03	Manual	231.1-2		CRD - Occurrence Reporting and Processing of Operations Information
2/27/08	Notice	234.1		CRD – Reporting of Radioactive Sealed Sources (Extended to 05/06/11 or until superseded)
4/9/01	Order	241.1A	¹ 10/14/03	CRD - Scientific and Technical Information Management
2/3/06	Order	243.1		CRD - Records Management Program
2/2/06	Order	243.2		CRD - Vital Records
4/19/10	Notice	251.79		Extension of DOE N 456.1, The Safe Handling of Unbound Engineered Nanoparticles, Until 4-19-11.
6/23/10	Notice	251.86		Extension of DOE N 234.1, Reporting of Radioactive Sealed Sources, until 5-6-11
11/19/99	Order	252.1		CRD - Technical Standards Program
11/19/09	Order	313.1		CRD – Management and Funding of the Departments Overseas Presence
10/18/07	Order	341.1A Parts: 1.a., 1.b., 2.a., 2.a.(1), 2.a.(2), 2.a.(3), 2.a.(4)(a), 2.a.(4)(b), 2.a.(4)(d), 2.a.(4)(f), 2.a.(4)(g) and 2.a.(4)(h)		CRD - Federal Employee Health Services
2/23/10	Order	350.1	³ 2-23-10	CRD - Contractor Human Resource Management Programs
10/29/03	Order	350.2A		CRD - Use of Management and Operating or Other Facility Management Contractor Employees for Services to DOE in the Washington, D.C., Area
8/17/09	Order	410.2		CRD – Management of Nuclear Materials
4/21/05	Order	412.1A		Work Authorization System
6/10/00	Policy	413.1		Program and Project Management Policy for the Planning, Programming, Budgeting, and Acquisition of Capital Assets
10/28/08	Order	413.1B		CRD – Internal Control Program
4/19/06	Order	413.2B		CRD - Laboratory Directed Research and Development
7/28/06	Order	413.3A	¹ 11/17/08	CRD - Program and Project Management for the Acquisition of Capital Assets

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DATE	TYPE	NUMBER	THROUGH CHANGE	SUBJECT TITLE Contractor Requirements Document (CRD) Includes Compliance Notes as Necessary
6/17/05	Order	414.1C		CRD – Quality Assurance
2/22/05	Order	420.1B	1 4/19/10	CRD – Facility Safety Compliance Note: The Strategic Fire Safety Plan addresses a non-compliance to this Order, which was provided to and acknowledged by DOE. It is expected to take a number of years and additional staff effort to complete.
7/23/04	Order	420.2B		CRD - Safety of Accelerator Facilities
6/29/10	Order	422.1		CRD- Conduct of Operations Compliance Note: Applicable to Hazardous Category 1, 2, or 3 nuclear facilities and other facilities as defined by BSA in a Program Plan, to be approved by BHSO, for incorporating Conduct of Operations principles into BSA operations.
4/16/10	Order	425.1D		CRD – Verification of Readiness to Start Up or Restart Nuclear Facilities Compliance Note: Only applicable to BNL facilities categorized as Hazardous Category 1, 2 or 3 nuclear facilities
4/21/10	Order	426.2		CRD - Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities
09/24/03	Order	430.1B	1 2/8/08	CRD – Real Property Asset Management
2/27/08	Order	430.2B		CRD - Departmental Energy, Renewable Energy, and Transportation Management
4/21/10	Order	433.1B		CRD - Maintenance Management Program for DOE Nuclear Facilities Compliance Note: Only applicable to BNL facilities categorized as Hazardous Category 1, 2 or 3 nuclear facilities
6/5/09	Policy	434.1		Conduct and Approval of Select Agent and Toxin Work at Department of Energy Sites
7/9/99	Order	435.1	1 8/28/01	CRD - Radioactive Waste Management
7/9/99	Manual	435.1-1	1 6/19/01	Radioactive Waste Management Manual
11/27/02	Order	440.2B	1 11/19/06	CRD - Aviation Management and Safety
3/7/08	Manual	441.1-1		CRD - Nuclear Material Packaging Manual
6/6/01	Order	442.1A		CRD - Department of Energy Employee Concerns Program
11/16/06	Manual	442.1-1		CRD - Differing Professional Opinions Manual for Technical Issues Involving Environment, Safety, and Health
12/20/07	Order	443.1A		CRD – Protection of Human Subjects
6/4/08	Order	450.1A		CRD – Environmental Protection Program
11/1/06	Manual	450.4-1		Integrated Safety Management System Manual

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DATE	TYPE	NUMBER	THROUGH CHANGE	SUBJECT TITLE Contractor Requirements Document (CRD) Includes Compliance Notes as Necessary
8/2/04	Policy	450.7		DOE Environment, Safety and Health Goals
7/15/03	Policy	455.1		Use of Risk-Based End States
1/5/09	Notice	456.1		CRD – Safe Handling of Unbound Engineered Nanoparticles; Extended by N 251.79 until 4-19-11
9/15/05	Policy	456.1		Secretarial Policy Statement on Nanoscale Safety
5/14/10	Order	460.1C		CRD - Packaging and Transportation Safety
12/22/04	Order	460.2A		CRD - Departmental Materials Transportation and Packaging Management
6/4/08	Manual	460.2-1A		Radioactive Material Transportation Practices Manual
5/08/01	Policy	470.1		Integrated Safeguards and Security Management Policy
10/31/02	Order	470.2B		CRD - Independent Oversight and Performance Assurance Program
8/12/08	Order	470.3B		Graded Security Protection (GPS) Policy
8/26/05	Manual	470.4-1	1 3/7/06	CRD – Safeguards and Security Program Planning & Management
7/23/09	Manual	470.4-2A		CRD – Physical Protection
11/5/08	Manual	470.4-3A		CRD – Contractor Protective Force Manual
1/16/09	Manual	470.4-4A		CRD – Information Security Manual Compliance Note: This Directive cancels DOE M 470.4-4, Change 1, <i>Information Security</i> , dated 06-29-07, except for Section E – Technical Surveillance Countermeasures, which will be retained in its entirety as Section D of this Manual
8/26/05	Manual	470.4-6	1 8/14/06	CRD – Nuclear Material Control and Accountability
3/1/10	Order	471.1B		CRD - Identification and Protection of Unclassified Controlled Nuclear Information
4/9/03	Order	471.3		CRD - Identifying and Protecting Official Use Only Information
4/9/03	Manual	471.3-1		CRD - Manual for Identifying and Protecting Official Use Only Information
8/28/07	Manual	475.1-1B		CRD – Manual for Identifying Classified Information
12/10/04	Order	475.1		Counterintelligence Program
8/28/07	Order	475.2		CRD – Identifying Classified Information
1/03/01	Manual	481.1-1A	1 9/28/01	Reimbursable Work for Non-Federal Sponsored Process Manual

DOE DIRECTIVES LIST

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DATE	TYPE	NUMBER	THROUGH CHANGE	SUBJECT TITLE Contractor Requirements Document (CRD) Includes Compliance Notes as Necessary
1/12/01	Order	482.1		CRD - DOE Facilities Technology Partnering Programs
1/12/01	Order	483.1		CRD - DOE Cooperative Research and Development Agreements
1/12/01	Manual	483.1-1		DOE Cooperative Research and Development Agreements
8/17/06	Order	484.1		CRD - Reimbursable Work for the Department of Homeland Security
11/3/04	Order	522.1		CRD - Pricing of Departmental Materials and Services
1/6/03	Order	534.1B		CRD - Accounting
6/24/08	Order	551.1C		CRD - Official Foreign Travel
12/7/05	Order	580.1	1 5/8/08	CRD - Department of Energy Property Management Program
5/20/02	Policy	580.1		Management Policy for Planning, Programming, Budgeting, Operation, Maintenance and Disposal of Real Property
11/12/92	Order	1450.4		Consensual Listening-In to or Recording Telephone/Radio Conversations
2/8/90	Order	5400.5*	2 1/7/93	Radiation Protection of the Public and the Environment

Appendix I - Part II

PARTIAL DELETIONS OF DIRECTIVES

DATE	DOE DIRECTIVE NUMBER	SUBJECT TITLE	DELETION DIRECTIVE DATE	SECTIONS DELETED
2/8/90 6/5/90 1/7/93	5400.5 Change 1 Change 2	Radiation Protection of the Public and the Environment	O 231.1 9/30/95 Change 1 10/26/95	Chapter II: Para 1a(3) (a)

BROOKHAVEN NATIONAL LABORATORY
CONTRACT MOD A292
DE-AC02-98CH10886
NRC

FT	B&R Legacy Reporting	Reference Budget	Debtor Code	Program Task	Uncosted Beginning	Previous Allotment	Change Allotment	Revised Allotment	Funding Total
3W 401001020				189Q4154	\$0.00	\$462,330.10	\$96,990.29	\$559,320.39	\$559,320.39
3W 401001020				189Q4154	\$1,927,950.62	\$0.00	-\$13,412.55	-\$13,412.55	\$1,914,538.07
3W 401001060				189N6725	\$0.00	\$116,504.85	\$33,980.58	\$150,485.43	\$150,485.43
3W 401001060				189N6998	\$0.00	\$0.00	\$233,009.71	\$233,009.71	\$233,009.71
3W 401001060				189N6889	\$0.00	\$242,718.45	\$242,718.45	\$485,436.90	\$485,436.90
Other Federal Appropriated						\$1,927,950.62	\$593,286.48	\$1,414,839.88	\$3,342,790.50
Grand Total- SF30						\$821,553.40	\$593,286.48	\$1,414,839.88	\$3,342,790.50
Total FPDS-NG (Action Obligation)							\$593,286.48		
Total FPDS-NG (Base and Exercise Option Value)							\$593,286.48		
Total FPDS-NG (Base and All Options Value)							\$593,286.48		

BROOKHAVEN NATIONAL LABORATORY
CONTRACT MOD. A293
DE-AC02-98CH10886
NASA

FT	B&R Legacy Reporting	Reference		Program Task	Uncosted		Previous Allotment	Change Allotment	Revised Allotment	Funding Total
		Budget	Debtor Code		Beginning	Total				
3W 400409900				AGRT570X	\$0.00	\$15,038.95	\$0.00	-\$15,038.95	\$0.00	\$0.00
3W 400409900				AGRT570X	\$0.00	\$204,797.20	\$0.00	-\$204,797.20	\$0.00	\$0.00
3W 400409900				AGRNNJ07HE78I	\$0.00	\$0.00	\$601,458.25	\$601,458.25	\$601,458.25	\$601,458.25
Other Federal Appropriated										
					\$0.00	\$219,836.15	\$0.00	\$381,622.10	\$601,458.25	\$601,458.25
Grand Total- SF30										
					\$0.00	\$219,836.15	\$0.00	\$381,622.10	\$601,458.25	\$601,458.25
Total FPDS-NG (Action Obligation)										
								\$381,622.10		
Total FPDS-NG (Base and Exercise Option Value)										
								\$381,622.10		
Total FPDS-NG (Base and All Options Value)										
								\$381,622.10		

BROOKHAVEN NATIONAL LABORATORY
CONTRACT MOD A 234
DE-AC02-88CH10886
DOD PFFA

FT	B&R Legacy Reporting	Reference		Debtor Code	Program Task	Uncosted		Previous Allotment	Change Allotment	Revised Allotment	Funding Total
		Budget				Beginning					
3F 400403209					AGRPFAM00055	\$0.00		\$0.00	\$87,000.00	\$87,000.00	\$87,000.00
Other Federal Appropriated											
						\$0.00		\$0.00	\$87,000.00	\$87,000.00	\$87,000.00
Grand Total - SF30											
								\$0.00	\$87,000.00	\$87,000.00	\$87,000.00
Total FPDS-NG (Action Obligation)											
									\$87,000.00		
Total FPDS-NG (Base and Exercise Option Value)											
									\$87,000.00		
Total FPDS-NG (Base and All Options Value)											
									\$87,000.00		

BROOKHAVEN NATIONAL LABORATORY
CONTRACT MOD A 295
DE-AC02-98CH10886
USDA Forest

FT	B&R Legacy Reporting	Reference		Program Task	Uncosted		Previous Allotment	Change Allotment	Revised Allotment	Funding Total
		Budget	Debtor Code		Beginning					
3W 400401000				AGRAG3604D100016	\$0.00	\$0.00	\$0.00	\$145,631.07	\$145,631.07	\$145,631.07
Other Federal Appropriated										
					\$0.00	\$0.00	\$0.00	\$145,631.07	\$145,631.07	\$145,631.07
Grand Total- SF30										
					\$0.00	\$0.00	\$0.00	\$145,631.07	\$145,631.07	\$145,631.07
Total FPDS-NG (Action Obligation)										
								\$145,631.07		
Total FPDS-NG (Base and Exercise Option Value)										
								\$145,631.07		
Total FPDS-NG (Base and All Options Value)										
								\$145,631.07		

BROOKHAVEN NATIONAL LABORATORY
CONTRACT MOD A296
DE-AC02-98CH10896
Naval Sea Systems

FT	B&R Legacy Reporting	Reference		Program Task	Uncosted Beginning	Previous Allotment	Change Allotment	Revised Allotment	Funding Total
		Budget	Debtor Code						
3T	400403309			AGRN0001406IP20088	\$264.04	\$0.00	-\$264.04	-\$264.04	\$0.00
3T	400403309			AGRN0001407IP20070	\$6.97	\$0.00	-\$6.97	-\$6.97	\$0.00
3T	400403309			AGRN0001408IP20011	\$90.57	\$0.00	-\$90.57	-\$90.57	\$0.00
3T	400403309			AGRN0001408IP20038	\$59.09	\$0.00	-\$59.09	-\$59.09	\$0.00
3F	400403309			AGRN0001408IP20092	\$0.36	\$0.00	-\$0.36	-\$0.36	\$0.00
Other Federal Appropriated					\$421.03	\$0.00	-\$421.03	-\$421.03	\$0.00
Grand Total- SF30					\$421.03	\$0.00	-\$421.03	-\$421.03	\$0.00
Total FPDS-NG (Action Obligation)									
Total FPDS-NG (Base and Exercise Option Value)									
Total FPDS-NG (Base and All Options Value)									

NOT SPECIFIED /OTHER

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 1
2. AMENDMENT/MODIFICATION NO. 277	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 10SC003942	5. PROJECT NO. (If applicable)
6. ISSUED BY Brookhaven Site Office U.S. Department of Energy Brookhaven Site Office 53 Bell Avenue Upton NY 11973	CODE 06005	7. ADMINISTERED BY (If other than Item 6) Brookhaven Site Office U.S. Department of Energy Brookhaven Site Office 53 Bell Avenue Upton NY 11973	CODE 06005
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) BROOKHAVEN SCIENCE ASSOCIATES, LLC Attn: MICHAEL FUREY BROOKHAVEN NATIONAL LABORATORY BLDG. 185, PO BOX 5000 UPTON NY 119735000		(x) 9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)
CODE 027579460	FACILITY CODE	x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC02-98CH10886	10B. DATED (SEE ITEM 13) 01/05/1998

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)
 See AFP Dated 03/24/2010 Net Increase: \$560,000.00

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

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 data, 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) Obligation of Funds Clause I.139 - DEAR 970.5232-4

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.)

This modification increases the obligated amount by \$560,000.00 from \$6,348,616,861.77 To \$6,349,176,861.77.

Subj to Retent: YES

FOB: Destination

Period of Performance: 01/05/1998 to 01/04/2015

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)		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Evelyn J. Landini	
15B. CONTRACTOR/OFFEROR <i>(Signature of person authorized to sign)</i>	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA <i>Evelyn Landini</i> <i>(Signature of Contracting Officer)</i>	16C. DATE SIGNED 03/30/2010

NOT SPECIFIED /OTHER

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES
			1 1

2. AMENDMENT/MODIFICATION NO. 278	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 10SC003942	5. PROJECT NO. (If applicable)
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6. ISSUED BY CODE	06005	7. ADMINISTERED BY (If other than Item 6) CODE	06005
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Brookhaven Site Office U.S. Department of Energy Brookhaven Site Office 53 Bell Avenue Upton NY 11973	Brookhaven Site Office U.S. Department of Energy Brookhaven Site Office 53 Bell Avenue Upton NY 11973
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8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) BROOKHAVEN SCIENCE ASSOCIATES, LLC Attn: MICHAEL FUREY BROOKHAVEN NATIONAL LABORATORY BLDG. 185, PO BOX 5000 UPTON NY 119735000 CODE 027579460 FACILITY CODE	(x) 9A. AMENDMENT OF SOLICITATION NO.
	9B. DATED (SEE ITEM 11)
	X 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC02-98CH10886
	10B. DATED (SEE ITEM 13) 01/05/1998

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) See AFP Dated 03/24/2010	Net Increase:	\$366,000.00
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13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

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) Obligation of Funds Clause I.139 - DEAR 970.5232-4

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.)

This modification increases the obligated amount by ~~\$213,800.00~~ from ~~\$6,348,017,036.10~~ To ~~\$6,348,230,836.10~~ ^{\$366,000.00} ~~\$6,349,542,836.10~~ ^{\$6,349,170,836.77}
 Subj to Retent: YES
 FOB: Destination
 Period of Performance: 01/05/1998 to 01/04/2015

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)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
	Evelyn J. Landini
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED
(Signature of person authorized to sign)	
16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
<i>Evelyn Landini</i> (Signature of Contracting Officer)	03/30/2010

**BROOKHAVEN NATIONAL LABORATORY
CONTRACT MOD A304
DE-AC02-98CH10886**

FT	B&R Legacy Reporting	Reference Budget	Debtor Code	Program Task	Uncosted Beginning	Previous Allotment	Change Allotment	Revised Allotment	Funding Total
1W	650201010			AGR87424	\$31,994.37	(\$31,994.37)	\$0.00	(\$31,994.37)	\$0.00
1W	650201010			AGR87848	\$24,073.28	(\$24,073.28)	\$0.00	(\$24,073.28)	\$0.00
1W	650201010			AGR87803	\$3,484.31	(\$3,484.31)	\$0.00	(\$3,484.31)	\$0.00
1W	650201010			AGR87646	\$42,125.23	(\$42,125.23)	\$0.00	(\$42,125.23)	\$0.00
1W	650201010			AGR87854	\$186.22	(\$186.22)	\$0.00	(\$186.22)	\$0.00
1W	650201010			AGR87805	\$310.24	(\$310.24)	\$0.00	(\$310.24)	\$0.00
1W	650201010			AGR87015	\$0.00	\$35.43	\$0.00	\$35.43	\$35.43
1W	650201010			AGR87652	\$0.00	\$271.49	\$0.00	\$271.49	\$271.49
1W	650201010			AGR87432	\$365.69	\$0.00	\$0.00	\$0.00	\$365.69
1W	650201010			AGR87999	\$0.00	\$375.19	\$0.00	\$375.19	\$375.19
1W	650201010			AGR87888	\$391.33	(\$1.91)	\$0.00	(\$1.91)	\$389.42
1W	650201010			AGR87416	\$0.00	\$719.15	\$0.00	\$719.15	\$719.15
1W	650201010			AGR87417	\$790.28	\$0.00	\$0.00	\$0.00	\$790.28
1W	650201010			AGR87999	\$1,116.40	\$0.00	\$0.00	\$0.00	\$1,116.40
1W	650201010			AGR87645	\$1,593.63	\$0.00	\$0.00	\$0.00	\$1,593.63
1W	650201010			AGR87416	\$3,294.24	\$0.00	\$0.00	\$0.00	\$3,294.24
1W	650201010			AGR87886	\$5,058.42	\$0.00	\$0.00	\$0.00	\$5,058.42
1W	650201010			AGR87664	\$8,050.39	\$0.00	\$0.00	\$0.00	\$8,050.39
1W	650201010			AGR87539	\$0.00	\$10,000.00	\$0.00	\$10,000.00	\$10,000.00
1W	650201010			AGR87539	\$10,079.89	\$0.00	\$0.00	\$0.00	\$10,079.89
1W	650201010			AGR87015	\$11,745.27	\$0.00	\$0.00	\$0.00	\$11,745.27
1W	650201010			AGR87652	\$15,968.79	\$0.00	\$0.00	\$0.00	\$15,968.79
1W	650201010			AGR87649	\$16,548.25	\$0.00	\$0.00	\$0.00	\$16,548.25
1W	650201010			AGR87092	\$17,522.99	\$0.00	\$0.00	\$0.00	\$17,522.99
1W	650201010			AGR87650	\$0.00	\$19,742.73	\$0.00	\$19,742.73	\$19,742.73
1W	650201010			AGR87819	\$21,677.80	\$0.00	\$0.00	\$0.00	\$21,677.80
1W	650201010			AGR87823	\$0.00	\$0.00	\$21,844.66	\$21,844.66	\$21,844.66
1W	650201010			AGR87337	\$22,885.89	\$0.00	\$0.00	\$0.00	\$22,885.89
1W	650201010			AGR87661	\$32,926.82	\$0.00	\$0.00	\$0.00	\$32,926.82
1W	650201010			AGR87819	\$0.00	\$33,830.29	\$4,156.77	\$37,987.06	\$37,987.06
1W	650201010			AGR87092	\$0.00	\$44,000.00	\$0.00	\$44,000.00	\$44,000.00
1W	650201010			AGR87417	\$0.00	\$46,530.42	\$0.00	\$46,530.42	\$46,530.42
1W	650201010			AGR87652	\$0.00	\$47,876.67	\$0.00	\$47,876.67	\$47,876.67
1W	650201010			AGR87300	\$56,907.77	\$0.00	\$0.00	\$0.00	\$56,907.77

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT				1. CONTRACT ID CODE	PAGE OF PAGES 1 4
2. AMENDMENT/MODIFICATION NO. M324		3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)	
6. ISSUED BY U.S. Department of Energy Brookhaven Site Office 53 Bell Avenue, Building 464 Upton, NY 11974-5000		CODE	7. ADMINISTERED BY (If other than Item 6) Code		
8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code) Brookhaven Science Associates, LLC 25 Brookhaven Avenue Building 460 Upton, New York 11973-5000			(✓)	9.A. AMENDMENT OF SOLICITATION NO.	
				9.B. DATED (SEE ITEM 11)	
			X	10.A. MODIFICATION OF Contract/Order NO. DE-AC02-98CH10886	
				10.B. DATED (SEE ITEM 13) 01/05/1998	
CODE N/A	FACILITY CODE N/A				

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)

N/A

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

	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: Secretarial direction and mutual agreement of the parties.
	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.

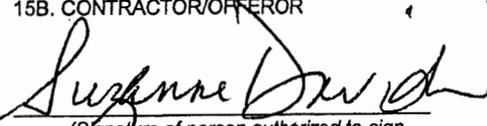
14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section heading, including solicitation/contract subject matter where feasible.)

The purpose of this language modification is set forth on the pages attached to the bilaterally signed SF 30 document.

Subj to Retent: YES

FOB: Destination

Period of performance: 01/05/1998 to 01/04/2015

15A. NAME AND TITLE OF SIGNER (Type or print) Suzanne M. Davidson Chief Financial Officer		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Evelyn J. Landini Contracting Officer	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
	9/10/10	BY 	9/10/10
(Signature of person authorized to sign)		(Signature of Contracting Officer)	