

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. CONTRACT ID CODE		PAGE 1 OF 95 PAGES		
2. AMENDMENT/MODIFICATION NUMBER 0348		3. EFFECTIVE DATE See Block 16C		4. REQUISITION/PURCHASE REQUISITION NUMBER 26SC001030		5. PROJECT NUMBER (If applicable)	
6. ISSUED BY Brookhaven Site Office U.S. Department of Energy Brookhaven Site Office 53 Bell Avenue Upton NY 11973		CODE 892430		7. ADMINISTERED BY (If other than Item 6) CODE 06005			
8. NAME AND ADDRESS OF CONTRACTOR (Number, street, county, State and ZIP Code) BROOKHAVEN SCIENCE ASSOCIATES LLC Attn: Janine Mehlinger BROOKHAVEN NATIONAL LABORATORY BLDG. 460, PO BOX 5000 UPTON NY 119735000				☒ 9A. AMENDMENT OF SOLICITATION NUMBER			
				☐ 9B. DATED (SEE ITEM 11)			
				10A. MODIFICATION OF CONTRACT/ORDER NUMBER DE - SC0012704			
				10B. DATED (SEE ITEM 13) 12/22/2014			
CODE				FACILITY CODE			

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 electronic communication 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 letter or electronic communication, provided each letter or electronic communication 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) Net Increase: **\$11,881,746.56**
See Schedule

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NUMBER 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 NUMBER 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:
☒	D. OTHER (Specify type of modification and authority) Obligation of funds clause I.152 - 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.)

See continuation page

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) Michael Joseph Toth	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA <i>Michael J. Toth</i>	16C. DATE SIGNED 06/29/2026
(Signature of person authorized to sign)		(Signature of Contracting Officer)	

Previous edition unusable

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 2 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
00001	DUNS Number: Not Available UEI: R85KZ9JP3NM3 Pursuant to Part I, Clause B.2 - OBLIGATION OF FUNDS AND FINANCIAL LIMITATIONS and paragraph (a) of Part II Clause I.152 - DEAR 970.5232-4, OBLIGATION OF FUNDS (DEC 2000) of the subject contract, the amount presently obligated by the Government under this contract is \$11,881,746.56 from \$8,905,085,145.90 to \$8,916,966,892.46 Payment: Payment - Direct Payment from U.S. Dept of Treasury Period of Performance: 01/05/2015 to 01/04/2030 Change Item 00001 to read as follows(amount shown is the total amount): PERFORMANCE-BASED CONTRACT FOR MANAGEMENT AND OPERATION OF BROOKHAVEN NATIONAL LABORATORY. Accounting Info: Estimated value \$650,000,000 per year Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 1-14-2015 located at BHS0 [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 1-14-2015 located at BHS0 [WFO App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: Continued...				8,916,966,892.46

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 3 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 1-14-2015 located at BHS0 [DOE App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 00000 Program: 00000000 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 1-26-2015 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 00000 Program: 00000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 1-26-2015 located at BHS0 [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 00000 Program: 00000000 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 1-26-2015 located at BHS0 [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 00000 Program: 00000000 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: N/A Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 00000 Program: 00000000 Project: 0000000 WFO: 00000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 4 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 2-24-2015 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 2-24-2015 located at BHS0 [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 2-24/25-2015 located at BHS0 [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 3-27-2015 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 3-20/27-2015 located at BHS0 [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 3-20/27-2015 located at BHS0 [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 5 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 4-24-2015 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 0000000 WFO: 0000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 4-24-2015 located at BHS0 [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 4-24-2015 located at BHS0 [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: N/A Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 5-7/27-2015 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 0000000 WFO: 0000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 6 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 5-7/27-2015 located at BHSO [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 5-7/27-2015 located at BHSO [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 6-4-2015 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 06-26-2015 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 6-26-2015 located at BHSO [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 6-26-2015 located at BHSO [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED DE-SC0012704/0348	PAGES PAGE 7 OF 95
---------------------------	--	-----------------------

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 6-25-2015 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: N/A Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 7/28/2015 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 7/9/2015 & 7/28/2015 located at BHS0 [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 7/9/2015 & 7/28/2015 located at BHS0 [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 8-21-2015 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED DE-SC0012704/0348	PAGES PAGE 8 OF 95
---------------------------	--	-----------------------

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Accounting Info: See AFP dated 8/25/2015 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 8/12/2015 & 8/25/2015 located at BHSO [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 8/12/2015 & 8/25/2015 located at BHSO [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 9-24-2015 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 9/28/2015 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 9/24/2015 & 9/28/2015 located at BHSO [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 9/24/2015 & 9/28/2015 located at BHSO [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 9 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Local Use: 00000000 Funded: \$0.00 Accounting Info: Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 10-27-2015 Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 10/27/2015 located at BHSO [Non-App] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 10/27/2015 located at BHSO [App] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 11-23/24-2015 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 11/23/2015 located at BHSO [Non-App] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 10 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 11/24/2015 located at BHS0 [App] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 12/21/15 located at BHS0 Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 12/21/2015 located at BHS0 [Non-App] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 12/21/2015 located at BHS0 [App] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 1/27/15 located at BHS0 Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 1/6/2016, 1/7/2016, 1/27/2016 located at BHS0 [Non-App] Fund: 000000 Appr Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 11 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 1/6/2016, 1/7/2016, 1/27/2016 located at BHSO [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 2/23/16 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 2/3/16, 2/5/16, 2/23/16 located at BHSO [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 2/3/16, 2/5/16, 2/23/16, 2/25/2016 located at BHSO [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 12 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Funded: \$0.00 Accounting Info: See AFP dated 3/24/16 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 3/7/2016 & 3/24/2016 located at BHSO [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 3/7/2016 & 3/24/2016 located at BHSO [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: None Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 4/26/16 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 4/26/2016 & 3/24/2016 located at BHSO [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 13 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 4/7/2016 & 4/26/2016 located at BHSO [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 5/24/2016 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 5/4, 5/5, 5/19, 5/24 2016 located at BHSO [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 5/4, 5/5, 5/19, 5/24 2016 located at BHSO [App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 6/27/2016 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 6-27-2016 located at BHSO [Non-App] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 14 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 6-27-2016 located at BHS0 [App] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 7/26/2016 located at BHS0 Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 7-26-2016 located at BHS0 [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 7-7-2016 & 7-26-2016 located at BHS0 [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: Fund: 000000 Appr Year: 0000 Allottee: 00 Report Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 15 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 8/25/2016 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 8-25-2016 located at BHS0 [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 8-25-2016 & 7-26-2016 located at BHS0 [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 9/26&27/2016 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 9/8/2016, 9/26/2016, & 9/27/2016 located at BHS0 [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 16 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 9/8/2016, 9/26/2016, & 9/27/2016 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 10/19/2016 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 10/27/2016 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 11/04/2016 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 11/04/2016 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 17 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 11/04/2016 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 11/23/2016 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 11/23/2016 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 11/23/2016 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 12/08/2016 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED DE-SC0012704/0348	PAGES PAGE 18 OF 95
---------------------------	--	------------------------

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 12/21/2016 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 12/21/2016 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 12/21/2016 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 1/11/2017 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 01/26/2017 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 01/26/2017 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 19 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 01/26/2017 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 02/23/2017 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 02/23/2017 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 02/23/2017 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: N/A Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 03/27/2017 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 03/27/2017 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 20 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 03/27/2017 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 04-21-2017 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 04/21/2017 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 04/21/2017 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 05/10/17 & 05/15/17 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 05-24-2017 located at BHSO Fund: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 21 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 05/24/2017 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 05/24/2017 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 06/04/17 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 06-28-2017 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 06/28/2017 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 06/28/2017 located at BHSO Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 22 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	[Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: (None) Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 07-26-2017 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 07/18/2017 & 07/26/2017 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 07/16/2017 & 7/26/2017 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 08-24-2017 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 23 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 08/24/2017 & 07/26/2017 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 08/24/2017 & 7/26/2017 located at at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 09-07-2017 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 9/7/2017 & 9/11/2017 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 9/7/2017 & 9/11/2017 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: N/A Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 24 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	N/A Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 09-28-2017 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 9/28/2017 & 9/11/2017 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 9/28/2017 & 9/11/2017 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 10-26-2017 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 25 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 10/26/2017 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 10/26/2017 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 11/16/2017 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 11/16/2017 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 11-27-2017 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 11/27/2017 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED DE-SC0012704/0348	PAGES PAGE 26 OF 95
---------------------------	--	------------------------

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 12-21-2017 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 12/21/2017 located at BHSO [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 12/21/2017 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: N/A Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 01/19/2018 located at BHSO [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 27 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 01/19/2018 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 1-25-2018 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 1/25/2018 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 02/07/2018 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 02/07/2018 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 2-22-2018 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 28 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 2/22-23/2018 located at BHSO [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 2/22-23/2018 located at BHSO [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: N/A Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 03/12/2018 located at BHSO [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 3-21-2018 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 3-21-2018 located at BHSO [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 29 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Funded: \$0.00 Accounting Info: See AFP dated 3-21-2018 located at BHS0 [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: N/A Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 4-25-2018 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 4-25-2018 located at BHS0 [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 4-25-2018 located at BHS0 [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 5-23-2018 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 30 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 5-23-2018 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 5-23-2018 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 06/07/2018 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: N/A Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 6-26-2018 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 5-26-2018 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 6-26-2018 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 31 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 7-26-2018 located at BHS0 Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 7-26-2018 located at BHS0 [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 7-26-2018 located at BHS0 [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 8-23-2018 located at BHS0 Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 08-23-2018 located at BHS0 [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 8-23-2018 located at BHS0 [Appropriated] Fund: 000000 Appr Year: 0000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 32 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 9-13-2018 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 09-13-2018 located at BHSO [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 9-13-2018 located at BHSO [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 9-27-2018 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 09-27-2018 located at BHSO [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 9-27-2018 located at BHSO [Appropriated] Fund: 000000 Appr Year: 0000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 33 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: None Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 10-25-2018 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 10-25-2018 located at BHSO [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 10-25-2018 located at BHSO [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 11-27-2018 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 11-27-2018 located at BHSO [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 34 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 11-27-2018 located at BHSO [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 12-18-2018 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 12-18-2018 located at BHSO [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 12-18-2018 located at BHSO [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: N/A Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 01/24/2019 located at BHSO [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 00000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 35 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Funded: \$0.00 Accounting Info: See AFO dated 01/24/2019 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 02-22-2018 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 02-22-2018 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 02-22-2018 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 03-07-2018 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: None Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 36 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 03-25-2019 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 03-25-2019 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 03-25-2018 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 03-27-2018 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 03-27-2018 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 04-25-2019 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 37 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 04-25-2018 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 04-25-2019 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 05-23-2019 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 05-23-2018 & 05-24-2019 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 05-23-2019 & 5-24-2019 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 06-25-2019 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 38 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Funded: \$0.00 Accounting Info: See AFP dated 06-25-2018 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 06-25-2019 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 07-24-2019 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 07-24-2019 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 07-24-2018 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 39 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Funded: \$0.00 Accounting Info: See AFP dated 08-06-2019 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 08-26-2019 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 08-26-2019 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 08-26-2019 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: None Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 09-24-2019 and 09-26-2019 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 40 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Accounting Info: See AFP dated 09-24-2019 and 09-26-2019 located at BHS0 [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 09-24-2019 and 09-26-2019 located at BHS0 [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: N/A Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 10-28-2019 & 10-29-2019 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 10-28 located at BHS0 [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 10-28-2019 located at BHS0 [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED DE-SC0012704/0348	PAGES PAGE 41 OF 95
---------------------------	--	------------------------

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 11-21-2019 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 11-21-2019 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 11-21-2019 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 12-18-2019 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 12-18-2019 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Continued...				

NAME OF OFFEROR OR CONTRACTOR

BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 12-18-2019 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: N/A Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 01-27-2020 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 01-27-2020 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 01-28-2020 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 01-27-2020 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 02-24-2020 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 43 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 02-24-2020 located at BHSO [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: None Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 03-10-2020 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 03-10-2020 located at BHSO [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 03-25-2020 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED DE-SC0012704/0348	PAGES PAGE 44 OF 95
---------------------------	--	------------------------

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	0000000 Funded: \$0.00 Accounting Info: See AFP dated 03-25-2020 located at BHS0. [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 03-25-2020 located at BHS0. [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: N/A Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 04-15-2020 located at BHS0 [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 04/15/2020 located at BHS0 [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 04-24-2020 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 45 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Accounting Info: See AFP dated 04-24-2020 located at BHSO. [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 04-24-2020 located at BHSO. [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP Dated 04/27/2020 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP Dated 04/24/2020 located at BHSO. [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: N/A Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP 05/11/2020 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 46 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Accounting Info: See AFP dated 05-22-2020 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 05-22-2020 located at BHS0. [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 05-22-2020 located at BHS0. [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP 05/28/2020 located at BHS0 [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: None Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP 06/16/2020 located at BHS0 [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 47 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	00000000 Funded: \$0.00 Accounting Info: See AFP # 76 dated 06-25-2020 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP # 76&78 dated 06-25-2020 located at BHSO. [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP # 76 dated 06-25-2020 located at BHSO. [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP # 77 dated 06/25/2020 located at BHSO [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP 07/08/2020 located at BHSO [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 07-27-2020 located at BHSO Fund: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 48 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 07-27-2020 located at BHSO. [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 07-27-2020 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: None Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 08-26-2020 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 08-26-2020 located at BHSO. [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 08-26-2020 located at BHSO. [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 49 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: None Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 09-25-2020 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 09-25-2020 located at BHS0. [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 09-25-2020 located at BHS0. [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 09-28-2020 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: None Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 50 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Accounting Info: See AFP dated 10-26-2020 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 10-26-2020 located at BHSO [Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 10-26-2020 located at BHSO [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: None Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 11-20-2020 located at BHSO Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 11-20-2020 located at BHSO [Non-Appropriated] Fund: 000000 Appr Year: 0000 Allottee: 00 Report Entity: 0000000 Object Class: 000000 Program: 00000000 Project: 00000000 WFO: 00000000 Local Use: 00000000 Funded: \$0.00 Accounting Info: See AFP dated 11-20-2020 located at BHSO Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 51 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	[Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 12-17-2020 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 12-17-2020 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 12-17-2020 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: None Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 01-25-2021 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 01-25-2021 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 52 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 01-25-2021 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 02-22-2021 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 02-22-2021 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 02-22-2021 located at BHSO [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 03-25-2021 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 03-25-2021 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 53 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 03-25-2021 located at BHS0 [Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: None Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 04-27-2021 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 04-27-2021 located at BHS0 [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 04-27-2021 located at BHS0 [DOE Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: (None) Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 54 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Funded: \$0.00 Accounting Info: See AFP dated 05-24-2021 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 05-24-2021 located at BHS0 [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 05-24-2021 located at BHS0 [DOE Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 06-24-2021 located at BHS0 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 06-24-2021 located at BHS0 [DOE Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 06-28-2021 located at BHS0 [DOE Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 55 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Funded: \$0.00 Accounting Info: See AFP dated 06-24-2021 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: None Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 07-26-2021 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 07-26-2021 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 07-26-2021 located at BHSO [DOE Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 08-25-2021 located at BHSO Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 56 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	See AFP dated 08-25-2021 located at BHSO [Non-Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: See AFP dated 08-25-2021 located at BHSO [DOE Appropriated] Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-00000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-00000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-00000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-00000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-00000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Continued...				

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 57 OF 95

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 58 OF 95

	PAGES
1. Introduction	1-5
2. Literature Review	6-15
3. Methodology	16-25
4. Results	26-35
5. Discussion	36-45
6. Conclusion	46-50
7. References	51-60
8. Appendix	61-70
9. Bibliography	71-80
10. Index	81-90
11. Glossary	91-100
12. Acknowledgments	101-105
13. Author Biographies	106-110
14. Declaration of Interest	111-115
15. Funding Source	116-120
16. Data Availability Statement	121-125
17. Ethics Approval	126-130
18. Informed Consent	131-135
19. Data Collection	136-140
20. Data Analysis	141-145
21. Results	146-150
22. Discussion	151-155
23. Conclusion	156-160
24. References	161-170
25. Appendix	171-180
26. Bibliography	181-190
27. Index	191-200
28. Glossary	201-210
29. Acknowledgments	211-215
30. Author Biographies	216-220
31. Declaration of Interest	221-225
32. Funding Source	226-230
33. Data Availability Statement	231-235
34. Ethics Approval	236-240
35. Informed Consent	241-245
36. Data Collection	246-250
37. Data Analysis	251-255
38. Results	256-260
39. Discussion	261-265
40. Conclusion	266-270
41. References	271-280
42. Appendix	281-290
43. Bibliography	291-300
44. Index	301-310
45. Glossary	311-320
46. Acknowledgments	321-325
47. Author Biographies	326-330
48. Declaration of Interest	331-335
49. Funding Source	336-340
50. Data Availability Statement	341-345
51. Ethics Approval	346-350
52. Informed Consent	351-355
53. Data Collection	356-360
54. Data Analysis	361-365
55. Results	366-370
56. Discussion	371-375
57. Conclusion	376-380
58. References	381-390
59. Appendix	391-400
60. Bibliography	401-410
61. Index	411-420
62. Glossary	421-430
63. Acknowledgments	431-435
64. Author Biographies	436-440
65. Declaration of Interest	441-445
66. Funding Source	446-450
67. Data Availability Statement	451-455
68. Ethics Approval	456-460
69. Informed Consent	461-465
70. Data Collection	466-470
71. Data Analysis	471-475
72. Results	476-480
73. Discussion	481-485
74. Conclusion	486-490
75. References	491-500
76. Appendix	501-510
77. Bibliography	511-520
78. Index	521-530
79. Glossary	531-540
80. Acknowledgments	541-545
81. Author Biographies	546-550
82. Declaration of Interest	551-555
83. Funding Source	556-560
84. Data Availability Statement	561-565
85. Ethics Approval	566-570
86. Informed Consent	571-575
87. Data Collection	576-580
88. Data Analysis	581-585
89. Results	586-590
90. Discussion	591-595
91. Conclusion	596-600
92. References	601-610
93. Appendix	611-620
94. Bibliography	621-630
95. Index	631-640
96. Glossary	641-650
97. Acknowledgments	651-655
98. Author Biographies	656-660
99. Declaration of Interest	661-665
100. Funding Source	666-670
101. Data Availability Statement	671-675
102. Ethics Approval	676-680
103. Informed Consent	681-685
104. Data Collection	686-690
105. Data Analysis	691-695
106. Results	696-700
107. Discussion	701-705
108. Conclusion	706-710
109. References	711-720
110. Appendix	721-730
111. Bibliography	731-740
112. Index	741-750
113. Glossary	751-760
114. Acknowledgments	761-765
115. Author Biographies	766-770
116. Declaration of Interest	771-775
117. Funding Source	776-780
118. Data Availability Statement	781-785
119. Ethics Approval	786-790
120. Informed Consent	791-795
121. Data Collection	796-800
122. Data Analysis	801-805
123. Results	806-810
124. Discussion	811-815
125. Conclusion	816-820
126. References	821-830
127. Appendix	831-840
128. Bibliography	841-850
129. Index	851-860
130. Glossary	861-870
131. Acknowledgments	871-875
132. Author Biographies	

PAGE 58 OF 95

BROOKHAVEN SCIENCE ASSOCIATES LLC

NSN 7540-01-152-8067

OPTIONAL FORM 336 (4-86)
Sponsored by GSA FAR (48 CFR) 53.110

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 59 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Continued...				

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 60 OF 95

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-00000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-00000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-00000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-00000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-00000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-00000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Continued...				

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 61 OF 95

[illegible]

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 62 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Continued...				

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 63 OF 95

[illegible]

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 64 OF 95

[illegible]

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 65 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Continued...				

	PAGES
1. Introduction	1-5
2. Literature Review	6-15
3. Methodology	16-25
4. Results	26-35
5. Discussion	36-45
6. Conclusion	46-50
7. References	51-60
8. Appendix	61-70
9. Bibliography	71-80
10. Index	81-90
11. Glossary	91-100
12. Acknowledgments	101-110
13. Author Biographies	111-120
14. Declaration of Interest	121-130
15. Funding Statement	131-140
16. Data Availability Statement	141-150
17. Ethics Statement	151-160
18. Conflicts of Interest	161-170
19. Supplementary Materials	171-180
20. References	181-190
21. Appendix	191-200
22. Bibliography	201-210
23. Index	211-220
24. Glossary	221-230
25. Acknowledgments	231-240
26. Author Biographies	241-250
27. Declaration of Interest	251-260
28. Funding Statement	261-270
29. Data Availability Statement	271-280
30. Ethics Statement	281-290
31. Conflicts of Interest	291-300
32. Supplementary Materials	301-310
33. References	311-320
34. Appendix	321-330
35. Bibliography	331-340
36. Index	341-350
37. Glossary	351-360
38. Acknowledgments	361-370
39. Author Biographies	371-380
40. Declaration of Interest	381-390
41. Funding Statement	391-400
42. Data Availability Statement	401-410
43. Ethics Statement	411-420
44. Conflicts of Interest	421-430
45. Supplementary Materials	431-440
46. References	441-450
47. Appendix	451-460
48. Bibliography	461-470
49. Index	471-480
50. Glossary	481-490
51. Acknowledgments	491-500
52. Author Biographies	501-510
53. Declaration of Interest	511-520
54. Funding Statement	521-530
55. Data Availability Statement	531-540
56. Ethics Statement	541-550
57. Conflicts of Interest	551-560
58. Supplementary Materials	561-570
59. References	571-580
60. Appendix	581-590
61. Bibliography	591-600
62. Index	601-610
63. Glossary	611-620
64. Acknowledgments	621-630
65. Author Biographies	631-640
66. Declaration of Interest	641-650
67. Funding Statement	651-660
68. Data Availability Statement	661-670
69. Ethics Statement	671-680
70. Conflicts of Interest	681-690
71. Supplementary Materials	691-700
72. References	701-710
73. Appendix	711-720
74. Bibliography	721-730
75. Index	731-740
76. Glossary	741-750
77. Acknowledgments	751-760
78. Author Biographies	761-770
79. Declaration of Interest	771-780
80. Funding Statement	781-790
81. Data Availability Statement	791-800
82. Ethics Statement	801-810
83. Conflicts of Interest	811-820
84. Supplementary Materials	821-830
85. References	831-840
86. Appendix	841-850
87. Bibliography	851-860
88. Index	861-870
89. Glossary	871-880
90. Acknowledgments	881-890
91. Author Biographies	891-900
92. Declaration of Interest	901-910
93. Funding Statement	911-920
94. Data Availability Statement	921-930
95. Ethics Statement	931-940
96. Conflicts of Interest	941-950
97. Supplementary Materials	951-960
98. References	961-970
99. Appendix	971-980
100. Bibliography	981-990
101. Index	991-1000
102. Glossary	1001-1010
103. Acknowledgments	1011-1020
104. Author Biographies	1021-1030
105. Declaration of Interest	1031-1040
106. Funding Statement	1041-1050
107. Data Availability Statement	1051-1060
108. Ethics Statement	1061-1070
109. Conflicts of Interest	1071-1080
110. Supplementary Materials	1081-1090
111. References	1091-1100
112. Appendix	1101-1110
113. Bibliography	1111-1120
114. Index	1121-1130
115. Glossary	1131-1140
116. Acknowledgments	1141-1150
117. Author Biographies	1151-1160
118. Declaration of Interest	1161-1170
119. Funding Statement	1171-1180
120. Data Availability Statement	1181-1190
121. Ethics Statement	1191-1200
122. Conflicts of Interest	1201-1210
123. Supplementary Materials	1211-1220
124. References	1221-1230
125. Appendix	1231-1240
126. Bibliography	1241-1250
127. Index	1251-1260
128. Glossary	1261-1270
129. Acknowledgments	1271

PAGE 66 OF 95

BROOKHAVEN SCIENCE ASSOCIATES LLC

[illegible]

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE - SC0012704/0348	PAGE 67 OF 95

PAGES

PAGE 67 OF 95

BROOKHAVEN SCIENCE ASSOCIATES LLC

NSN 7540-01-152-8067

OPTIONAL FORM 336 (4-86)
Sponsored by GSA FAR (48 CFR) 53.110

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 68 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Continued...				

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 69 OF 95

[illegible]

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 70 OF 95

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 71 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE - SC0012704/0348	PAGE 72 OF 95

	PAGES
1. Introduction	1-5
2. Literature Review	6-15
3. Methodology	16-25
4. Results	26-35
5. Discussion	36-45
6. Conclusion	46-50
7. References	51-60
8. Appendix	61-70
9. Bibliography	71-80
10. Index	81-90
11. Glossary	91-100
12. Acknowledgments	101-110
13. Author Biographies	111-120
14. Declaration of Interest	121-130
15. Funding Source	131-140
16. Data Availability Statement	141-150
17. Ethics Approval	151-160
18. Conflicts of Interest	161-170
19. Author Contributions	171-180
20. Supplementary Materials	181-190
21. References	191-200
22. Appendix	201-210
23. Bibliography	211-220
24. Index	221-230
25. Glossary	231-240
26. Acknowledgments	241-250
27. Author Biographies	251-260
28. Declaration of Interest	261-270
29. Funding Source	271-280
30. Data Availability Statement	281-290
31. Ethics Approval	291-300
32. Conflicts of Interest	301-310
33. Author Contributions	311-320
34. Supplementary Materials	321-330
35. References	331-340
36. Appendix	341-350
37. Bibliography	351-360
38. Index	361-370
39. Glossary	371-380
40. Acknowledgments	381-390
41. Author Biographies	391-400
42. Declaration of Interest	401-410
43. Funding Source	411-420
44. Data Availability Statement	421-430
45. Ethics Approval	431-440
46. Conflicts of Interest	441-450
47. Author Contributions	451-460
48. Supplementary Materials	461-470
49. References	471-480
50. Appendix	481-490
51. Bibliography	491-500
52. Index	501-510
53. Glossary	511-520
54. Acknowledgments	521-530
55. Author Biographies	531-540
56. Declaration of Interest	541-550
57. Funding Source	551-560
58. Data Availability Statement	561-570
59. Ethics Approval	571-580
60. Conflicts of Interest	581-590
61. Author Contributions	591-600
62. Supplementary Materials	601-610
63. References	611-620
64. Appendix	621-630
65. Bibliography	631-640
66. Index	641-650
67. Glossary	651-660
68. Acknowledgments	661-670
69. Author Biographies	671-680
70. Declaration of Interest	681-690
71. Funding Source	691-700
72. Data Availability Statement	701-710
73. Ethics Approval	711-720
74. Conflicts of Interest	721-730
75. Author Contributions	731-740
76. Supplementary Materials	741-750
77. References	751-760
78. Appendix	761-770
79. Bibliography	771-780
80. Index	781-790
81. Glossary	791-800
82. Acknowledgments	801-810
83. Author Biographies	811-820
84. Declaration of Interest	821-830
85. Funding Source	831-840
86. Data Availability Statement	841-850
87. Ethics Approval	851-860
88. Conflicts of Interest	861-870
89. Author Contributions	871-880
90. Supplementary Materials	881-890
91. References	891-900
92. Appendix	901-910
93. Bibliography	911-920
94. Index	921-930
95. Glossary	931-940
96. Acknowledgments	941-950
97. Author Biographies	951-960
98. Declaration of Interest	961-970
99. Funding Source	971-980
100. Data Availability Statement	981-990
101. Ethics Approval	991-1000
102. Conflicts of Interest	1001-1010
103. Author Contributions	1011-1020
104. Supplementary Materials	1021-1030
105. References	1031-1040
106. Appendix	1041-1050
107. Bibliography	1051-1060
108. Index	1061-1070
109. Glossary	1071-1080
110. Acknowledgments	1081-1090
111. Author Biographies	1091-1100
112. Declaration of Interest	1101-1110
113. Funding Source	1111-1120
114. Data Availability Statement	1121-1130
115. Ethics Approval	1131-1140
116. Conflicts of Interest	1141-1150
117. Author Contributions	1151-1160
118. Supplementary Materials	1161-1170
119. References	1171-1180
120. Appendix	1181-1190
121. Bibliography	1191-1200
122. Index	1201-1210
123. Glossary	1211-1220
124. Acknowledgments	1221-1230
125. Author Biographies	1231-1240
126. Declaration of Interest	1241-1250
127. Funding Source	1251-1260
128. Data Availability Statement	1261-1270
129. Ethics Approval	1271

PAGE 72 OF 95

BROOKHAVEN SCIENCE ASSOCIATES LLC

[illegible]

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 73 OF 95

[illegible]

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 74 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Continued...				

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 75 OF 95

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 76 OF 95

PAGES

PAGE 76 OF 95

BROOKHAVEN SCIENCE ASSOCIATES LLC

NSN 7540-01-152-8067

OPTIONAL FORM 336 (4-86)
Sponsored by GSA FAR (48 CFR) 53.110

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 77 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Continued...				

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 79 OF 95

[illegible]

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 80 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Continued...				

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 81 OF 95

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Continued...				

NAME OF OFFEROR OR CONTRACTOR

BROOKHAVEN SCIENCE ASSOCIATES LLC

[illegible]

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 83 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Continued...				

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 84 OF 95

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Continued...				

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 85 OF 95

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 86 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Continued...				

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 87 OF 95

[illegible]

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE - SC0012704/0348	PAGE 88 OF 95

	PAGES
1. Introduction	1-5
2. Literature Review	6-15
3. Methodology	16-25
4. Results	26-35
5. Discussion	36-45
6. Conclusion	46-50
7. References	51-60
8. Appendix	61-70
9. Glossary	71-75
10. Index	76-80

PAGE 88 OF 95

BROOKHAVEN SCIENCE ASSOCIATES LLC

[illegible]

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 89 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Continued...				

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 90 OF 95

	PAGES
1. Introduction	1-5
2. Literature Review	6-15
3. Methodology	16-25
4. Results	26-35
5. Discussion	36-45
6. Conclusion	46-50
7. References	51-60
8. Appendix	61-70
9. Bibliography	71-80
10. Index	81-90
11. Glossary	91-100
12. Acknowledgments	101-110
13. Author Biographies	111-120
14. Declaration of Interest	121-130
15. Funding Source	131-140
16. Data Availability Statement	141-150
17. Ethics Approval	151-160
18. Conflicts of Interest	161-170
19. Author Contributions	171-180
20. Supplementary Materials	181-190
21. References	191-200
22. Appendix	201-210
23. Bibliography	211-220
24. Index	221-230
25. Glossary	231-240
26. Acknowledgments	241-250
27. Author Biographies	251-260
28. Declaration of Interest	261-270
29. Funding Source	271-280
30. Data Availability Statement	281-290
31. Ethics Approval	291-300
32. Conflicts of Interest	301-310
33. Author Contributions	311-320
34. Supplementary Materials	321-330
35. References	331-340
36. Appendix	341-350
37. Bibliography	351-360
38. Index	361-370
39. Glossary	371-380
40. Acknowledgments	381-390
41. Author Biographies	391-400
42. Declaration of Interest	401-410
43. Funding Source	411-420
44. Data Availability Statement	421-430
45. Ethics Approval	431-440
46. Conflicts of Interest	441-450
47. Author Contributions	451-460
48. Supplementary Materials	461-470
49. References	471-480
50. Appendix	481-490
51. Bibliography	491-500
52. Index	501-510
53. Glossary	511-520
54. Acknowledgments	521-530
55. Author Biographies	531-540
56. Declaration of Interest	541-550
57. Funding Source	551-560
58. Data Availability Statement	561-570
59. Ethics Approval	571-580
60. Conflicts of Interest	581-590
61. Author Contributions	591-600
62. Supplementary Materials	601-610
63. References	611-620
64. Appendix	621-630
65. Bibliography	631-640
66. Index	641-650
67. Glossary	651-660
68. Acknowledgments	661-670
69. Author Biographies	671-680
70. Declaration of Interest	681-690
71. Funding Source	691-700
72. Data Availability Statement	701-710
73. Ethics Approval	711-720
74. Conflicts of Interest	721-730
75. Author Contributions	731-740
76. Supplementary Materials	741-750
77. References	751-760
78. Appendix	761-770
79. Bibliography	771-780
80. Index	781-790
81. Glossary	791-800
82. Acknowledgments	801-810
83. Author Biographies	811-820
84. Declaration of Interest	821-830
85. Funding Source	831-840
86. Data Availability Statement	841-850
87. Ethics Approval	851-860
88. Conflicts of Interest	861-870
89. Author Contributions	871-880
90. Supplementary Materials	881-890
91. References	891-900
92. Appendix	901-910
93. Bibliography	911-920
94. Index	921-930
95. Glossary	931-940
96. Acknowledgments	941-950
97. Author Biographies	951-960
98. Declaration of Interest	961-970
99. Funding Source	971-980
100. Data Availability Statement	981-990
101. Ethics Approval	991-1000
102. Conflicts of Interest	1001-1010
103. Author Contributions	1011-1020
104. Supplementary Materials	1021-1030
105. References	1031-1040
106. Appendix	1041-1050
107. Bibliography	1051-1060
108. Index	1061-1070
109. Glossary	1071-1080
110. Acknowledgments	1081-1090
111. Author Biographies	1091-1100
112. Declaration of Interest	1101-1110
113. Funding Source	1111-1120
114. Data Availability Statement	1121-1130
115. Ethics Approval	1131-1140
116. Conflicts of Interest	1141-1150
117. Author Contributions	1151-1160
118. Supplementary Materials	1161-1170
119. References	1171-1180
120. Appendix	1181-1190
121. Bibliography	1191-1200
122. Index	1201-1210
123. Glossary	1211-1220
124. Acknowledgments	1221-1230
125. Author Biographies	1231-1240
126. Declaration of Interest	1241-1250
127. Funding Source	1251-1260
128. Data Availability Statement	1261-1270
129. Ethics Approval	1271

PAGE 90 OF 95

BROOKHAVEN SCIENCE ASSOCIATES LLC

[illegible]

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 91 OF 95

[illegible]

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE-SC0012704/0348	PAGE 92 OF 95

NAME OF OFFEROR OR CONTRACTOR
BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-0000000-0000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Continued...				

REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
DE-SC0012704/0348	PAGE 93 OF 95

[illegible]

CONTINUATION SHEET	REFERENCE NO. OF DOCUMENT BEING CONTINUED	PAGES
	DE - SC0012704/0348	PAGE 94 OF 95

	PAGES
1. Introduction	1-5
2. Literature Review	6-15
3. Methodology	16-25
4. Results	26-35
5. Discussion	36-45
6. Conclusion	46-50
7. References	51-60
8. Appendix	61-70
9. Bibliography	71-80
10. Index	81-90
11. Glossary	91-100
12. Acknowledgments	101-110
13. Author Biographies	111-120
14. Declaration of Interest	121-130
15. Funding Statement	131-140
16. Data Availability Statement	141-150
17. Ethics Statement	151-160
18. Conflicts of Interest	161-170
19. Supplementary Materials	171-180
20. References	181-190
21. Appendix	191-200
22. Bibliography	201-210
23. Index	211-220
24. Glossary	221-230
25. Acknowledgments	231-240
26. Author Biographies	241-250
27. Declaration of Interest	251-260
28. Funding Statement	261-270
29. Data Availability Statement	271-280
30. Ethics Statement	281-290
31. Conflicts of Interest	291-300
32. Supplementary Materials	301-310
33. References	311-320
34. Appendix	321-330
35. Bibliography	331-340
36. Index	341-350
37. Glossary	351-360
38. Acknowledgments	361-370
39. Author Biographies	371-380
40. Declaration of Interest	381-390
41. Funding Statement	391-400
42. Data Availability Statement	401-410
43. Ethics Statement	411-420
44. Conflicts of Interest	421-430
45. Supplementary Materials	431-440
46. References	441-450
47. Appendix	451-460
48. Bibliography	461-470
49. Index	471-480
50. Glossary	481-490
51. Acknowledgments	491-500
52. Author Biographies	501-510
53. Declaration of Interest	511-520
54. Funding Statement	521-530
55. Data Availability Statement	531-540
56. Ethics Statement	541-550
57. Conflicts of Interest	551-560
58. Supplementary Materials	561-570
59. References	571-580
60. Appendix	581-590
61. Bibliography	591-600
62. Index	601-610
63. Glossary	611-620
64. Acknowledgments	621-630
65. Author Biographies	631-640
66. Declaration of Interest	641-650
67. Funding Statement	651-660
68. Data Availability Statement	661-670
69. Ethics Statement	671-680
70. Conflicts of Interest	681-690
71. Supplementary Materials	691-700
72. References	701-710
73. Appendix	711-720
74. Bibliography	721-730
75. Index	731-740
76. Glossary	741-750
77. Acknowledgments	751-760
78. Author Biographies	761-770
79. Declaration of Interest	771-780
80. Funding Statement	781-790
81. Data Availability Statement	791-800
82. Ethics Statement	801-810
83. Conflicts of Interest	811-820
84. Supplementary Materials	821-830
85. References	831-840
86. Appendix	841-850
87. Bibliography	851-860
88. Index	861-870
89. Glossary	871-880
90. Acknowledgments	881-890
91. Author Biographies	891-900
92. Declaration of Interest	901-910
93. Funding Statement	911-920
94. Data Availability Statement	921-930
95. Ethics Statement	931-940
96. Conflicts of Interest	941-950
97. Supplementary Materials	951-960
98. References	961-970
99. Appendix	971-980
100. Bibliography	981-990
101. Index	991-1000
102. Glossary	1001-1010
103. Acknowledgments	1011-1020
104. Author Biographies	1021-1030
105. Declaration of Interest	1031-1040
106. Funding Statement	1041-1050
107. Data Availability Statement	1051-1060
108. Ethics Statement	1061-1070
109. Conflicts of Interest	1071-1080
110. Supplementary Materials	1081-1090
111. References	1091-1100
112. Appendix	1101-1110
113. Bibliography	1111-1120
114. Index	1121-1130
115. Glossary	1131-1140
116. Acknowledgments	1141-1150
117. Author Biographies	1151-1160
118. Declaration of Interest	1161-1170
119. Funding Statement	1171-1180
120. Data Availability Statement	1181-1190
121. Ethics Statement	1191-1200
122. Conflicts of Interest	1201-1210
123. Supplementary Materials	1211-1220
124. References	1221-1230
125. Appendix	1231-1240
126. Bibliography	1241-1250
127. Index	1251-1260
128. Glossary	1261-1270
129. Acknowledgments	1271

PAGE 94 OF 95

BROOKHAVEN SCIENCE ASSOCIATES LLC

[illegible]

NAME OF OFFEROR OR CONTRACTOR
 BROOKHAVEN SCIENCE ASSOCIATES LLC

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	-0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$0.00 Accounting Info: 00000-0000-00-000000-00000-00000000-00000000-000000 00 -0000000 Fund: 00000 Appr Year: 0000 Allottee: 00 Report Entity: 000000 Object Class: 00000 Program: 0000000 Project: 0000000 WFO: 0000000 Local Use: 0000000 Funded: \$11,881,746.56				