

## AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

PAGE OF PAGES

1

3

2. AMENDMENT/MODIFICATION NO.

0042

3. EFFECTIVE DATE

See Block 16C

4. REQUISITION/PURCHASE REQ.  
NO.

5. PROJECT NO. (If applicable)

6. ISSUED BY

CODE

06005

7. ADMINISTERED BY (If other than Item 6)  
Code

06005

U.S. Department of Energy  
Brookhaven Site Office  
53 Bell Avenue, Building 464  
Upton, NY 11973-5000

8. NAME AND ADDRESS OF CONTRACTOR (No. street, county, State and ZIP Code)

Brookhaven Science Associates, LLC  
Attn: Michael Furey  
Brookhaven National Laboratory  
Building 185, PO Box 5000  
Upton, New York 11973-5000

(✓)

9. A. AMENDMENT OF SOLICITATION NO.

9. B. DATED (SEE ITEM 11)

X

10. A. MODIFICATION OF Contract/Order NO.

DE-SC0012704

10. B. DATED (SEE ITEM 13)

12/22/2014

CODE N/A

FACILITY CODE N/A

## 11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers ☐ is extended, ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning \_\_\_ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGEMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

N/A

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

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).

X

C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

Mutual agreement of the parties

D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not ☒ is required to sign this document and return 1 copies to the issuing office.

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

This Modification is issued to revise Part I, Section H – Special Contract Requirements, TOC, Update Clause H.30; Add Clause H.44; Revise Part II, Section I – Contract Clauses, TOC; Update clauses I.21, I.46, I.57A, I.88; Revise Part III, Section J – List of Documents, Exhibits, Attachments, TOC; Revise Appendix A; Replace Appendix I – DOE Directives/List B.

15A. NAME AND TITLE OF SIGNER (Type or print)

George Clark  
Chief Financial Officer

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

4/14/16

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

Evelyn Landini  
Contracting Officer

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

BY

BY Evelyn Landini: 4/18/16  
(Signature of Contracting Officer)

(Signature of person authorized to sign)



## 14. Description of Amendment/Modification (continued):

1. **Part I, Section H – Special Contract Requirements, Table of Contents (TOC):** Section H is revised to update Clause H.30; add Clause H.44.

2. **Part I, Section H – Special Contract Requirements:**

The following clause has been revised:

- a. Clause H.30 – Lobbying Restriction (Consolidated Appropriations ACT, 2016): The language in this clause is consistent with IAW Policy Flash 2016-15 - AL 2016-03, and remains in full force and effect.

The following clause has been added; insert the attachment provided herein:

- b. Clause H.44 – Prohibition on Funding for Certain Nondisclosure Agreements (MAR 2016): This clause is hereby added to the Contract as Clause H.44 IAW Policy Flash 2016-15 - AL 2016-3.

3. **Part II, Section I – Contract Clauses, Table of Contents (TOC):** Section I is revised to reflect an update to Clauses I.21, I.46, I.57A, I.88.

4. **Part II, Section I – Contract Clauses:**

The following clauses have been revised; replace the prior versions with the updated attachment provided herein:

- a. Clause I.21 – FAR 52.209-10, Prohibition on Contracting With Inverted Domestic Corporations (Nov 2015): This clause has been updated IAW Federal Register at 80 FR 38306, Federal Acquisition Circular (FAC) 2005-83, FAR Case 2015- 006.
- b. Clause I.46 – FAR 52.222-37, Employment Reports on Veterans (FEB 2016): This clause has been updated IAW Policy Flash 2016-09, Federal Acquisition Circular (FAC) 2005-85.
- c. Clause I.57A – FAR 52.223-13, Acquisition of EPEAT® Registered Imaging Equipment (JUN 2014) (Alternate I) (OCT 2015): This clause has been updated IAW Policy Flash 2015-37, Federal Register at 80 FR 53436, Federal Acquisition Circular (FAC) 2005-84, FAR Case 2013-6.
- d. Clause I.88 - FAR 52.244-6, Subcontracts for Commercial Items (FEB 2016): This clause has been updated IAW Policy Flash 2016-09, Federal Acquisition Circular (FAC) 2005-85.

5. **Part III, Section J – List of Documents, Exhibits, Attachments:** Section J is revised to reflect the following: Revise Appendix A – Advance Understanding on Human Resources; Replace Appendix I – DOE Directives/List B.

- a. **Appendix A – Advance Understanding on Human Resources** has been revised to add paragraph (c)(6) Goldhaber Fellowship Program to Section X: Employee Programs; The language is provided herein.
- b. **Appendix I – DOE Directives/List** identified as Modification No. 0037 has been revised; replace the prior version with the attached Appendix I identified as Modification No. 0042. The revisions are as follows:

SUMMARY OF DIRECTIVE CHANGES			
ADDITIONS	TITLE	CHANGE	NOTES
N.443.1	Protection of Human Subjects in Classified Research	Added to the contract	
P 470.1B	Safeguards and Security Program	Updated to latest revision	Supersedes DOE P 470.1A

**Attachments:**

- Section H – Special Contract Requirements
  - ❖ H.44
- Part II, Section I – Contract Clauses
  - ❖ I.21, I.46, I.57A, I.88
- Part III, Section J – List of Documents, Exhibits, Attachments
  - ❖ Appendix A – Advance Understanding on Human Resources: Paragraph (c)(6) Goldhaber Fellowship Program to Section X: Employee Programs
  - ❖ Appendix I – DOE Directives/List

**CLAUSE H.44 PROHIBITION ON FUNDING FOR CERTAIN NONDISCLOSURE AGREEMENTS (MAR 2016)**

The Contractor agrees that:

- a) No cost associated with implementation or enforcement of nondisclosure policies, forms or agreements shall be allowable under this contract if such policies, forms or agreements do not contain the following provisions: "These provisions are consistent with and do not supersede, conflict with, or otherwise alter the employee obligations, rights, or liabilities created by existing statute or Executive order relating to (1) classified information, (2) communications to Congress, (3) the reporting to an Inspector General of a violation of any law, rule, or regulation, or mismanagement, a gross waste of funds, an abuse of authority, or a substantial and specific danger to public health or safety, or (4) any other whistleblower protection. The definitions, requirements, obligations, rights, sanctions, and liabilities created by controlling Executive orders and statutory provisions are incorporated into this agreement and are controlling."
- b) The limitation above shall not contravene requirements applicable to Standard Form 312, Form 4414, or any other form issued by a Federal department or agency governing the nondisclosure of classified information.
- c) Notwithstanding the provisions of paragraph (a), a nondisclosure or confidentiality policy form or agreement that is to be executed by a person connected with the conduct of an intelligence or intelligence-related activity, other than an employee or officer of the United States Government, may contain provisions appropriate to the particular activity for which such document is to be used. Such form or agreement shall, at a minimum, require that the person will not disclose any classified information received in the course of such activity unless specifically authorized to do so by the United State Government. Such nondisclosure or confidentiality forms shall also make it clear that they do not bar disclosures to Congress, or to an authorized official of an executive agency or the Department of Justice, that are essential to reporting a substantial violation of law.



**CLAUSE 1.21 – FAR 52.209-10 - PROHIBITION ON CONTRACTING WITH  
INVERTED DOMESTIC CORPORATIONS (NOV 2015)**

(a) *Definitions.* As used in this clause--

"Inverted domestic corporation" means a foreign incorporated entity that meets the definition of an inverted domestic corporation under 6 U.S.C. 395(b), applied in accordance with the rules and definitions of 6 U.S.C. 395(c).

"Subsidiary" means an entity in which more than 50 percent of the entity is owned—

- (1) Directly by a parent corporation; or
  - (2) Through another subsidiary of a parent corporation.
- (b) If the contractor reorganizes as an inverted domestic corporation or becomes a subsidiary of an inverted domestic corporation at any time during the period of performance of this contract, the Government may be prohibited from paying for Contractor activities performed after the date when it becomes an inverted domestic corporation or subsidiary. The Government may seek any available remedies in the event the Contractor fails to perform in accordance with the terms and conditions of the contract as a result of Government action under this clause.
- (c) Exceptions to this prohibition are located at 9.108-2.
- (d) In the event the Contractor becomes either an inverted domestic corporation, or a subsidiary of an inverted domestic corporation during contract performance, the Contractor shall give written notice to the Contracting Officer within five business days from the date of the inversion event.

**CLAUSE I.46 – FAR 52.222-37 - EMPLOYMENT REPORTS ON VETERANS (FEB 2016)**

- (a) *Definitions.* As used in this clause, “active duty wartime or campaign badge veteran,” “Armed Forces service medal veteran,” “disabled veteran,” “protected veteran,” and “recently separated veteran,” have the meanings given in FAR 22.1301.
- (b) Unless the Contractor is a State or local government agency, the Contractor shall report at least annually, as required by the Secretary of Labor, on--
  - (1) The total number of employees in the contractor's workforce, by job category and hiring location, who are protected veterans (*i.e.*, active duty wartime or campaign badge veterans, Armed Forces service medal veterans, disabled veterans, and recently separated veterans);
  - (2) The total number of new employees hired during the period covered by the report, and of the total, the number of disabled veterans (*i.e.*, active duty wartime or campaign badge veterans, Armed Forces service medal veterans, disabled veterans, and recently separated veterans); and
  - (3) The maximum number and minimum number of employees of the Contractor or subcontractor at each hiring location during the period covered by the report.
- (c) The Contractor shall report the above items by filing the VETS-4212 “Federal Contractor Veterans’ Employment Report” (see “VETS-4212 Federal Contractor Reporting” and “Filing Your VETS-4212 Report” at <http://www.dol.gov/vets/vets4212.htm> ).
- (d) The Contractor shall file VETS-4212 Reports no later than September 30 of each year.
- (e) The employment activity report required by paragraphs (b)(2) and (b)(3) of this clause shall reflect total new hires, and maximum and minimum number of employees, during the most recent 12-month period preceding the ending date selected for the report. Contractors may select an ending date--
  - (1) As of the end of any pay period between July 1 and August 31 of the year the report is due; or
  - (2) As of December 31, if the Contractor has prior written approval from the Equal Employment Opportunity Commission to do so for purposes of submitting the Employer Information Report EEO-1 (Standard Form 100).

- (f) The number of veterans reported must be based on data known to the contractor when completing the VETS-4212. The contractor's knowledge of veterans status may be obtained in a variety of ways, including an invitation to applicants to self-identify (in accordance with 41 CFR 60-300.42), voluntary self-disclosure by employees, or actual knowledge of veteran status by the contractor. This paragraph does not relieve an employer of liability for discrimination under 38 U.S.C. 4212.
- (g) The Contractor shall insert the terms of this clause in subcontracts of \$150,000 or more unless exempted by rules, regulations, or orders of the Secretary of Labor.



**CLAUSE I.57A – FAR 52.223-13 ACQUISITION OF EPEAT® – REGISTERED  
IMAGING EQUIPMENT (JUN 2014) (ALTERNATE I) (OCT 2015)**

(a) *Definitions.* As used in this clause--

“Imaging equipment” means the following products:

- (1) Copier--A commercially available imaging product with a sole function of the production of hard copy duplicates from graphic hard-copy originals. The unit is capable of being powered from a wall outlet or from a data or network connection. This definition is intended to cover products that are marketed as copiers or upgradeable digital copiers (UDCs).
- (2) Digital duplicator--A commercially available imaging product that is sold in the market as a fully automated duplicator system through the method of stencil duplicating with digital reproduction functionality. The unit is capable of being powered from a wall outlet or from a data or network connection. This definition is intended to cover products that are marketed as digital duplicators.
- (3) Facsimile machine (fax machine)--A commercially available imaging product whose primary functions are scanning hard-copy originals for electronic transmission to remote units and receiving similar electronic transmissions to produce hard-copy output. Electronic transmission is primarily over a public telephone system but also may be via computer network or the Internet. The product also may be capable of producing hard copy duplicates. The unit is capable of being powered from a wall outlet or from a data or network connection. This definition is intended to cover products that are marketed as fax machines.
- (4) Mailing machine--A commercially available imaging product that serves to print postage onto mail pieces. The unit is capable of being powered from a wall outlet or from a data or network connection. This definition is intended to cover products that are marketed as mailing machines.
- (5) Multifunction device (MFD)--A commercially available imaging product, which is a physically integrated device or a combination of functionally integrated components, that performs two or more of the core functions of copying, printing, scanning, or faxing. The copy functionality as addressed in this definition is considered to be distinct from single-sheet convenience copying offered by fax machines. The unit is capable of being powered from a wall outlet or from a data or network connection. This definition is intended to cover products that are marketed as MFDs or multifunction products.



- (6) **Printer**--A commercially available imaging product that serves as a hard-copy output device and is capable of receiving information from single-user or networked computers, or other input devices (e.g., digital cameras). The unit is capable of being powered from a wall outlet or from a data or network connection. This definition is intended to cover products that are marketed as printers, including printers that can be upgraded into MFDs in the field.
  - (7) **Scanner**--A commercially available imaging product that functions as an electro-optical device for converting information into electronic images that can be stored, edited, converted, or transmitted, primarily in a personal computing environment. The unit is capable of being powered from a wall outlet or from a data or network connection. This definition is intended to cover products that are marketed as scanners.
- (b) Under this contract, the Contractor shall deliver, furnish for Government use, or furnish for contractor use at a Federally controlled facility, only imaging equipment that, at the time of submission of proposals and at the time of award, was EPEAT® silver-registered or gold-registered.
  - (c) For information about EPEAT®, see [www.epa.gov/PEAT](http://www.epa.gov/PEAT).

**CLAUSE I.88 – FAR 52.244-6 - SUBCONTRACTS FOR COMMERCIAL ITEMS (FEB 2016)**

(a) *Definitions.* As used in this clause—

“Commercial item” has the meaning contained Federal Acquisition Regulation 2.101, Definitions.

“Subcontract” includes a transfer of commercial items between divisions, subsidiaries, or affiliates of the Contractor or subcontractor at any tier.

(b) To the maximum extent practicable, the Contractor shall incorporate, and require its subcontractors at all tiers to incorporate, commercial items or nondevelopmental items as components of items to be supplied under this contract.

(c)

(1) The Contractor shall insert the following clauses in subcontracts for commercial items:

- (i) 52.203-13, Contractor Code of Business Ethics and Conduct (Oct 2015) (41 U.S.C. 3509), if the subcontract exceeds \$5.5 million and has a performance period of more than 120 days. In altering this clause to identify the appropriate parties, all disclosures of violation of the civil False Claims Act or of Federal criminal law shall be directed to the agency Office of the Inspector General, with a copy to the Contracting Officer.
- (ii) 52.203-15, Whistleblower Protections Under the American Recovery and Reinvestment Act of 2009 (Jun 2010) (Section 1553 of Pub. L. 111-5), if the subcontract is funded under the Recovery Act.
- (iii) 52.219-8, Utilization of Small Business Concerns (Oct 2014) (15 U.S.C. 637(d)(2) and (3)), if the subcontract offers further subcontracting opportunities. If the subcontract (except subcontracts to small business concerns) exceeds \$700,000 (\$1.5 million for construction of any public facility), the subcontractor must include 52.219-8 in lower tier subcontracts that offer subcontracting opportunities.
- (iv) 52.222-21, Prohibition of Segregated Facilities (Apr 2015).
- (v) 52.222-26, Equal Opportunity (Apr 2015) (E.O. 11246).



- (vi) 52.222-35, Equal Opportunity for Veterans (Oct 2015) (38 U.S.C. 4212(a));
  - (vii) 52.222-36, Equal Opportunity for Workers with Disabilities (Jul 2014) (29 U.S.C. 793).
  - (viii) 52.222-37, Employments Reports on Veterans (Feb 2016) (38 U.S.C. 4212).
  - (ix) 52.222-40, Notification of Employee Rights Under the National Labor Relations Act (Dec 2010) (E.O. 13496), if flow down is required in accordance with paragraph (f) of FAR clause 52.222-40.
  - (x)
    - (A) 52.222-50, Combating Trafficking in Persons (Mar 2015) (22 U.S.C. chapter 78 and E.O. 13627).
    - (B) Alternate I (Mar 2015) of 52.222-50 (22 U.S.C. chapter 78 and E.O. 13627).
  - (xi) 52.222-55, Minimum Wages under Executive Order 13658 (Dec 2015).
  - (xii) 52.225-26, Contractors Performing Private Security Functions Outside the United States (Jul 2013) (Section 862, as amended, of the National Defense Authorization Act for Fiscal Year 2008; 10 U.S.C. 2302 Note).
  - (xiii) 52.232-40, Providing Accelerated Payments to Small Business Subcontractors (Dec 2013), if flow down is required in accordance with paragraph (c) of FAR clause 52.232-40.
  - (xiv) 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels (Feb 2006) (46 U.S.C. App. 1241 and 10 U.S.C. 2631), if flow down is required in accordance with paragraph (d) of FAR clause 52.247-64.
- (2) While not required, the Contractor may flow down to subcontracts for commercial items a minimal number of additional clauses necessary to satisfy its contractual obligations.
- (d) The Contractor shall include the terms of this clause, including this paragraph (d), in subcontracts awarded under this contract.

## **APPENDIX A**

### **ADVANCE UNDERSTANDING ON HUMAN RESOURCES**

**Applicable to the Operations of  
Brookhaven National Laboratory**



## SECTION X - EMPLOYEE PROGRAMS

(c) Other.

(6) Goldhaber Fellowship Program.

The Contractor can incur costs associated with participation in the Goldhaber Fellowship program to qualified PH.D candidates for independent research at the frontiers of their fields. Costs associated with the program shall not exceed \$250,000 in any given fiscal year. If cost exceeds this threshold, Contracting Officer review is required. The \$250,000 threshold is defined as the difference between the standard rate for a Research Associate and the Goldhaber Fellowship rate.

## **APPENDIX I**

### **DOE Directives/List B**

**Applicable to the Operations of  
Brookhaven National Laboratory**



There is no List A to this Appendix.

List B to this Appendix contains the following:

**Part I: "Directives List"**

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

### Appendix I - Part I DOE DIRECTIVES LIST

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

ISSUED	TYPE	NUMBER	THROUGH CHANGE	TITLE Includes Compliance Notes as Necessary
9/29/1995	Order	130.1		Budget Formulation
5/2/2001	Policy	141.1		Department of Energy Management of Cultural Resources
9/4/2008	Manual	142.2-1	Admin Chg. 1 6/27/13	Manual for Implementation of the Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
12/15/2006	Order	142.2A	Admin Chg. 1 6/27/13	Voluntary Offer Safeguards Agreement and Additional Protocol with the International Atomic Energy Agency
10/14/2010	Order	142.3A		Unclassified Foreign Visits and Assignments Program
3/31/2014	Order	150.1A		Continuity Programs
11/2/2005	Order	151.1C		Comprehensive Emergency Management System
6/27/2007	Order	153.1		Departmental Radiological Emergency Response Assets
12/23/2008	Order	200.1A		Information Technology Management
1/7/2005	Order	203.1		Limited Personal Use of Government Office Equipment Including Information Technology
5/8/2001	Policy	205.1		Departmental Cyber Security Management Policy
5/16/2011	Order	205.1B	Admin Chg. 3 4/29/14	Department of Energy Cyber Security Program
1/16/2009	Order	206.1		Department of Energy Privacy Program
2/19/2013	Order	206.2		Identity, Credential and Access Management (ICAM)
4/8/2011	Order	210.2A		DOE Corporate Operating Experience Program
4/19/2008	Order	221.1A		Reporting Fraud, Waste, and Abuse to the Office of Inspector General
2/25/2008	Order	221.2A		Cooperation with the Office of Inspector General
3/4/2011	Order	225.1B		Accident Investigations
12/21/2015	Order	227.1A		Independent Oversight Program
6/27/2011	Order	231.1B	Admin Chg. 1 11/28/12	Environment, Safety and Health Reporting
8/30/2011	Order	232.2	Admin Chg. 1 3/12/14	Occurrence Reporting and Processing of Operations Information
12/13/2010	Order	241.1B		Scientific and Technical Information Management
3/11/2013	Order	243.1B		Records Management Program
2/2/2006	Order	243.2		Vital Records
2/23/2011	Order	252.1A	Admin Chg. 1 3/12/13	Technical Standards Program



## Appendix I - Part I

## DOE DIRECTIVES LIST

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ISSUED	TYPE	NUMBER	THROUGH CHANGE	TITLE  Includes Compliance Notes as Necessary
11/19/2009	Order	313.1		Management and Funding of the Department's Overseas Presence
10/18/2007	Order	341.1A Parts: 1.(a) b) 2.a(1-3) 2.a(4)(a-h)		Federal Employee Health Services
2/23/2010	Order	350.1	Chg. 5 9/30/14	Contractor Human Resource Management Programs
9/29/2014	Order	350.3		Labor Standards Compliance, contractor Labor Relations, and Contractor Workforce Restructuring Programs
5/31/2011	Order	350.2B		Use of Management and Operating or Other Facility Management Contractor Employees for Services to DOE in the Washington D.C. Area
4/14/2014	Policy	364.1		Health and Safety Training Reciprocity
8/17/2009	Order	410.2	Admin Chg. 1 4/10/14	Management of Nuclear Materials
4/21/2005	Order	412.1A	Admin Chg. 1 6/21/14	Work Authorization System
10/28/2008	Order	413.1B		Internal Control Program
10/22/2015	Order	413.2C		Laboratory Directed Research and Development
11/29/2010	Order	413.3B		Program and Project Management for the Acquisition of Capital Assets
4/25/2011	Order	414.1D	Admin Chg. 1 5/8/13	Quality Assurance
12/3/2012	Order	415.1	Admin Chg. 1 1/16/13	Information Technology Project Management
2/8/2011	Policy	420.1		Department of Energy Nuclear Safety Policy <b>Compliance Note:</b> Only applicable to BNL facilities categorized as Hazardous Category 1,2 or 3 nuclear facilities
12/4/2012	Order	420.1C		Facility Safety <b>Compliance Note:</b> Chapters 1, 3, and 5 are applicable to BNL facilities categorized as hazardous category 1, 2, or 3 nuclear facility is proposed by BNL and approved by DOE
7/21/2011	Order	420.2C		Safety of Accelerator Facilities



### Appendix I - Part I

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ISSUED	TYPE	NUMBER	THROUGH CHANGE	TITLE Includes Compliance Notes as Necessary
6/29/2010	Order	422.1	Admin Chg. 1 6/25/13	Conduct of Operations <b>Compliance Note:</b> Applicable to Hazardous Category 1, 2, or 3 nuclear facilities and other facilities as defined by BSA in a Program Plan to be approved by BHSO for incorporating
4/16/2010	Order	425.1D	Admin Chg. 1 4/2/13	Verification of Readiness to Start Up or Restart Nuclear Facilities <b>Compliance Note:</b> Only applicable to BNL facilities categorized as Hazardous Category 1, 2, or 3 nuclear facilities
4/21/2010	Order	426.2	Admin Chg. 1 7/19/13	Personnel Selection, Training, Qualification, and Certification Requirements for DOE Nuclear Facilities
9/24/2003	Order	430.1B	Admin Chg. 2 4/25/11	Real Property and Asset Management
4/21/2010	Order	433.1B	Admin. Chg. 1 3/12/13	Maintenance Management Program for DOE Nuclear Facilities <b>Compliance Note:</b> Only applicable to BNL facilities categorized as Hazardous Category 1, 2 or 3 nuclear facilities
11/7/2013	Policy	434.1A		Conduct and Approval of Select Agent and Toxin Work at Department of Energy Sites
7/9/1999	Order	435.1	Admin Chg. 1 8/28/01	Radioactive Waste Management
7/9/1999	Manual	435.1-1	Admin Chg. 1 6/19/01	Radioactive Waste Management Manual
5/2/2011	Order	436.1		Departmental Sustainability
11/27/2002	Order	440.2C	Admin Chg. 1 6/22/11	Aviation Management and Safety
3/7/2008	Manual	441.1-1		Nuclear Material Packaging Manual
6/6/2001	Order	442.1A		Department of Energy Employee Concerns Program
7/29/2011	Order	442.2		Differing Professional Opinions for Technical Issues Involving Environment, Safety and Health
1/21/2016	Notice	443.1		Protection of Human Subjects in Classified Research
3/7/2011	Order	443.1B		Protection of Human Research Subjects
4/25/2011	Policy	450.4A		Integrated Safety Management Policy
7/21/2011	Order	452.8		Control of Nuclear Weapon Data
5/31/2011	Order	456.1	Admin Chg. 1 2/14/13	The Safe Handling of Unbound Engineered Nanoparticles
9/15/2005	Policy	456.1		Secretarial Policy Statement on Nanoscale Safety
2/11/2011	Order	458.1	Admin Chg. 3 1/15/13	Radiation Protection of the Public and the Environment



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ISSUED	TYPE	NUMBER	THROUGH CHANGE	TITLE Includes Compliance Notes as Necessary
5/14/2010	Order	460.1C		Packaging and Transportation Safety
12/22/2004	Order	460.2A		Departmental Material Transportation and Packaging Management
6/4/2008	Manual	460.2-1A		Radioactive Material Transportation Practices Manual
11/10/2008	Order	462.1	Admin Chg. 1 7/10/13	Import and Export of Category 1 and 2 Radioactive Sources Aggregated Quantities
2/10/2016	Policy	470.1B		Safeguards and Security Program
8/12/2008	Order	470.3B		Graded Security Protection (GPS) Policy
7/21/2011	Order	470.4B		Safeguards and Security Program
6/2/2014	Order	470.5		Insider Threat Program
9/2/2015	Order	470.6		Technical Security Program
3/1/2010	Order	471.1B		Identification and Protection of Unclassified Controlled Nuclear Information
4/9/2003	Order	471.3	Admin Chg. 1 1/13/11	Identifying and Protecting Official Use Only Information
4/9/2003	Manual	471.3-1	Admin Chg. 1 1/13/11	Manual for Identifying and Protecting Official Use Only Information
6/20/2011	Order	471.6	Admin Chg. 2 5/15/15	Information Security
7/27/2011	Order	472.2	Admin Chg. 1 10/8/13	Personnel Security
6/27/2011	Order	473.3		Protection Program Operations
6/27/2011	Order	474.2	Admin Chg. 3 5/15/15	Nuclear Material Control and Accountability

**Appendix I - Part I**  
**DOE DIRECTIVES LIST**

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

ISSUED	TYPE	NUMBER	THROUGH CHANGE	TITLE Includes Compliance Notes as Necessary
12/10/2004	Order	475.1		Counterintelligence Program
10/3/2014	Order	475.2B		Identifying Classified Information
12/17/2014	Policy	481.1		DOE's Policy Regarding Laboratories, Plants and Sites Engaging in Strategic Partnership Projects with Other Federal Agencies, Independent Organizations, and the Private Sector
1/3/2001	Manual	481.1-1A	Admin Chg. 1 9/28/01	Reimbursable Work for Non Federal Sponsored Process Manual
11/6/2013	Order	483.1A		DOE Cooperative Research and Development Agreements
8/17/2006	Order	484.1	Admin Chg. 2 6/30/14	Reimbursable Work for the Department of Homeland Security
11/3/2004	Order	522.1		Pricing of Departmental Materials and Services
1/6/2003	Order	534.1B		Accounting
4/2/2012	Order	551.1D	Chg. 1 (Pg.Chg.) 8/13/15	Official Foreign Travel
3/30/2012	Order	580.1A	Admin Chg. 1 10/22/12	Department of Energy Personal Property Management Program