

**BROOKHAVEN SCIENCE ASSOCIATES, LLC
GENERAL TERMS AND CONDITIONS
FOR CONSTRUCTION AND LABOR HOUR AGREEMENTS
AT
BROOKHAVEN NATIONAL LABORATORY**

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Article 1 DEFINITIONS

The following terms shall have the meanings below:

- (a) "Agreement" means the contract; or purchase order; or Basic Ordering Agreement (BOA); or Task Agreement, and any modifications thereto, including all contract documents (Contract Documents). The Agreement includes without limitation the specifications, drawings, General Terms and Conditions and any special or supplemental terms and conditions, when incorporated into this Agreement by reference or otherwise.
- (b) "BSA" means Brookhaven Science Associates, LLC acting under a Prime Contract between BSA and the United States Government (Government) for the operation of Brookhaven National Laboratory (referred to as Brookhaven, BNL, or Laboratory), and includes the successor to, or any duly authorized representative of BSA. BSA authorized representatives and their roles are listed in the contract document.
- (c) "Brookhaven", "BNL", or "the Laboratory" refers to the Brookhaven National Laboratory site at Upton, New York.
- (d) "BSA's PPM Division" means the BSA Procurement and Property Management Division (PPM).
- (e) "Contract" is the document (including but not limited to contract; or purchase order; or Basic Ordering Agreement (BOA); or Task Agreement) that is executed by both BSA and the Contractor that creates the Agreement.
- (f) "Contract Documents" means all documents that comprise this Agreement including without limitation, the specifications, drawings, the General Terms and Conditions and any special or supplemental terms and conditions, when incorporated into this Agreement by reference or otherwise. This Agreement does not bind nor purport to bind the Government.
- (g) "Contractor" means any person or organization that has entered into this Agreement with BSA.
- (h) "Government" means the United States of America including the U.S. Department of Energy (DOE) or any duly authorized representative(s) thereof.
- (i) "Prime Contract" means the contract between BSA and the Government.
- (j) The clause at FAR 52.202-1, Definitions, is incorporated herein by reference.

Article 2 ORDER OF PRECEDENCE

In the event of an inconsistency among provisions of this Agreement, the inconsistency shall be resolved by giving precedence in the following order:

- (a) Contract,
- (b) Special terms and conditions included in or incorporated by reference in the Contract,
- (c) Supplemental Terms and Conditions,
- (d) General Terms and Conditions,
- (e) Statement of Work,
- (f) Specifications and
- (g) Drawings, if any, incorporated in this Agreement by reference or otherwise.

Article 3 ACCEPTANCE OF AGREEMENT, SURVIVABILITY

- (a) By signing this Contract, delivering the supplies, or performing the requirements indicated herein, the Contractor agrees to comply with all the terms and conditions and all specifications and other documents incorporated in this Agreement by reference or otherwise. Notwithstanding the above, this Agreement shall become a binding contractual commitment within 10 days after the Contractor receives it unless the Contractor furnishes written notice of objection to BSA within said 10 days.
- (b) An attempted acknowledgment or acceptance which contains provisions conflicting with or additional to these Terms and Conditions or which varies any terms or conditions shall have no force or effect.
- (c) All rights and obligations of the parties shall survive final performance of this Agreement.

Article 4 COMPLETE AGREEMENT

This Agreement expresses the entire agreement and understanding of the parties with respect to the subject matter hereof and supersedes any prior oral and written agreements between the parties. It may only be modified in writing executed by both BSA and the Contractor except as otherwise stated herein.

Article 5 UNAUTHORIZED OBLIGATION

When any supply or service acquired under this contract is subject to any End Use License Agreement (EULA), Terms of Service (TOS), or similar legal instrument or agreement, that includes any clause requiring BSA or the Government to indemnify the Contractor or any person or entity for damages, costs, fees, or any other loss or liability, the following shall govern:

- (i) Any such clause is unenforceable against BSA and the Government unless separately and specifically agreed to.
- (ii) Neither BSA nor any BSA authorized end user shall be deemed to have agreed to such clause by virtue of it appearing in the EULA, TOS, or similar legal instrument or agreement.
- (iii) Any such clause is deemed to be stricken from the EULA, TOS, or similar legal instrument or agreement.

Article 6 RESPECTFUL WORKPLACE POLICY

The Contractor's admittance to BNL is conditioned on acceptance of BSA's External Code of Conduct upon site entry registration. BSA is committed to providing a safe work environment for employees, contractors, guests and visitors, that is based on courtesy, civility and respectful communication. Acts or threats of violence, obscene or harassing telephone calls, verbal abuse, and any behavior meant to intimidate others are examples of actions that are prohibited on site at any time. Violators of this policy will be subject to disciplinary action up to and including discharge, debarment from site, or criminal arrest and prosecution. BSA is not responsible for any additional costs incurred by the Contractor due to these disciplinary actions. The Contractor will remain responsible for full performance of the Agreement without modification of the schedule.

Article 7 REPORTING ENVIRONMENTAL, SAFETY, HEALTH AND TECHNICAL CONCERNS

The Contractor will ensure that all Contractor employees are notified annually that they have the right to report environment, safety, health and technical concerns that have not been resolved through routine work processes through the Department of Energy Differing Professional Opinion (DPO) process ((the DOE DPO process can be found in Attachment 2 to DOE O 442.2 Chg 1 (PgChg) and at <http://www.directives.doe.gov/directives-documents/400-series/0442.2-BOrder-chg1-pgchg/@@images/file>). The notification must provide points of contact (name, phone number and email addresses of DPO Managers) as listed on the DOE DPO web page, as well as the DOE DPO web page address.

Article 8 ASSIGNMENT

Neither this Agreement nor any interest therein nor claim there under shall be assigned or transferred by the Contractor except as expressly authorized in writing by BSA, provided that the Contractor or its assignee's rights to be paid amounts due as a result of performance of this Agreement may be assigned to a bank, trust company or other financing institution, including any federal lending institution. This Agreement is assignable by BSA to the Government or to a successor contractor for the operation of Brookhaven. The Contractor agrees to look solely to the Government or to such successor contractor for payment of the part so assigned, and to execute a novation agreement so recognizing the successor contractor if requested to do so by BSA.

Article 9 DISPUTES

- (a) Good Faith Negotiation. The parties agree that they will attempt in good faith to resolve through negotiation any dispute, claim or controversy arising out of or relating to this Agreement. Either party may initiate negotiations by providing written notice in letter form to the other party, setting forth the subject of the dispute and the relief requested. The recipient of such notice agrees to respond in writing within five days with a statement of its position on and recommended solution to the dispute. If the dispute is not resolved by this exchange of correspondence, then representatives of each party with full settlement authority will meet at a mutually agreeable time and place within fifteen days of the date of the initial notice in order to exchange relevant information and perspectives, and to attempt to resolve the dispute. If the dispute is not resolved by these negotiations, the matter will be submitted to Judicial Arbitration and Mediation Services (JAMS), or its successor, for mediation, following the procedure described in Subparagraph B, below. Pending settlement or a final judgment, the Contractor will proceed diligently with performance of this Agreement according to the instructions of BSA's contractual representative.
- (b) Mediation. Except as provided in this Agreement, the parties agree that neither will commence any civil action with respect to any dispute, claim or controversy arising out of or relating to this Agreement until the matter has been submitted to JAMS (New York, 212-751-2700), its successor, for mediation and that process has been completed. Either party may commence mediation by providing to JAMS and the other party a written request for mediation, setting forth the subject

of the dispute and the relief requested. The parties agree to cooperate with JAMS and with one another in selecting a mediator from JAMS panel of neutrals, and in scheduling the mediation proceedings. The parties covenant that they will participate in the mediation in good faith, and that they will share equally in its costs. The parties further agree that they will treat as confidential all offers, promises, conduct and statements, whether oral or written, made in the course of the mediation by any of the parties, their agents, employees, experts and attorneys, and by the mediator and any JAMS employees. The parties also agree that they will treat any such communications as privileged and inadmissible for any purpose, including impeachment, in any litigation or other proceeding involving the parties, provided that evidence that is otherwise admissible or discoverable will not be rendered inadmissible or non-discoverable as a result of its use in the mediation. Either party may seek equitable relief prior to the mediation to preserve the status quo pending the completion of that process. Except for such an action to obtain equitable relief, neither party may commence a civil action with respect to the matters submitted to mediation until after the completion of the initial mediation session, or forty-five (45) days after the date of filing the written request for mediation, whichever occurs first. Mediation may continue after the commencement of a civil action, if the parties so desire. The provisions of this Article may be enforced by any court of competent jurisdiction, and the party seeking enforcement will be entitled to an award of all costs, fees and expenses, including attorney's fees, to be paid by the party against whom enforcement is ordered.

- (c) Waiver of Right to Litigate in Court Before Completing Negotiation and Mediation and Waiver of Right to Jury Trial and Designation of Court Sitting in the State of New York. The Contractor agrees to submit all disputes, claims or controversies arising out of or relating to this Agreement to negotiation and then mediation as described above before bringing any action in court. The Contractor further acknowledges that, in the event it brings any such action in court, it will bring that action in a court sitting in the State of New York, and it further acknowledges that it is hereby waiving any right that it might possess to demand a jury trial for the litigation of that action. The Contractor further acknowledges that it is giving up any rights to judicial remedies and procedures to the extent that this agreement does not specifically provide for them. The Contractor further acknowledges that its agreement to the provision for this Agreement is voluntary.

Article 10 NOTICE REGARDING LATE PERFORMANCE

If the Contractor encounters difficulty in meeting performance requirements, or anticipates difficulty in complying with the delivery schedule or date, the Contractor shall immediately notify BSA's Procurement and Property Management Division (PPM) in writing, giving pertinent details, including the date by which it expects to complete performance or make delivery. This notice shall be informational only, and BSA's receipt of this notice shall not be construed as a waiver of any schedule or date, or any rights or remedies provided by law or under this Agreement.

Article 11 WAIVER

BSA's acceptance of the goods or services delivered hereunder and its subsequent use thereof shall not constitute a waiver of any improper materials or workmanship, or BSA's rights and remedies with respect to them. BSA's acceptance and its subsequent use of goods or services delivered after the agreed upon delivery date shall not constitute a waiver by BSA of any rights arising from said late delivery.

Article 12 NEW MATERIALS

Unless otherwise specified in this Agreement, all supplies delivered hereunder shall consist of new materials. "New" is defined as previously unused which may include residual inventory or unused former Government surplus property. This does not exclude use of recycled or recovered material as defined by the Environmental Protection Agency in 40 CFR 247 Comprehensive Procurement Guideline For Products Containing Recovered Materials - Code of Federal Regulations (ecfr.io).

Article 13 FAR 52.225-9 BUY AMERICAN-CONSTRUCTION MATERIALS (Oct 2022)

For the purposes of this Agreement Contracting Officer means BSA.

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

"Commercially Available Off-the-Shelf (COTS) Item"—

- (i) Means any item of supply (including construction material) that is:
 - 1. A commercial item (as defined in paragraph (1) of the definition at Federal Acquisition Regulation (FAR) 2.101);
 - 2. Sold in substantial quantities in the commercial marketplace; and
 - 3. Offered to the Government, under a contract or subcontract at any tier, without modification, in the same form in which it is sold in the commercial marketplace; and
- (ii) Does not include bulk cargo, as defined in 46 U.S.C. 40102(4), such as agricultural products and petroleum products.

"Construction material" means an article, material, or supply brought to the construction site by the Contractor or a subcontractor for incorporation into the building or work. The term also includes an item brought to the site preassembled from articles, materials, or supplies. However, emergency life safety systems, such as emergency lighting, fire alarm, and audio evacuation systems, that are discrete systems incorporated into a public building or work and that are produced as complete systems, are evaluated as a single and distinct construction material regardless of when or how the individual parts or components of those systems are delivered to the construction site. Materials purchased directly by the Government are supplies, not construction material.

"Cost of components" means--

- (i) For components purchased by the Contractor, the acquisition cost, including transportation costs to the place of incorporation into the construction material (whether or not such costs are paid to a domestic firm), and any applicable duty (whether or not a duty-free entry certificate is issued); or

- (ii) For components manufactured by the Contractor, all costs associated with the manufacture of the component, including transportation costs as described in paragraph (i) of this definition, plus allocable overhead costs, but excluding profit. Cost of components does not include any costs associated with the manufacture of the construction material.

“Critical Component” means a component that is mined, produced, or manufactured in the United States and deemed critical to the U.S. supply chain. The list of critical components is at FAR 22.105.

“Critical Item” means a domestic construction material or domestic end product that is deemed critical to U.S. supply chain resiliency. The list of critical items is at FAR 25.105.

“Domestic construction material” means—

- (i) For construction material that does not consist wholly or predominantly of iron or steel or a combination of both
 1. An unmanufactured construction material mined or produced in the United States;
 2. A construction material manufactured in the United States, if—
 - A. The cost of its components mined, produced, or manufactured in the United States exceeds 60 percent of the cost of all its components, except that the percentage will be 65 percent for items delivered in calendar years 2024 through 2028 and 75 percent for items delivered starting in calendar year 2029. Components of foreign origin of the same class or kind for which non-availability determinations have been made are treated as domestic; or
 - B. The construction material is a COTS item.
- (ii) For construction material that consists wholly or predominantly of iron or steel or a combination of both, a construction material manufactured in the United States if the cost of foreign iron and steel constitutes less than 5 percent of the cost of all components used in such construction material. The cost of foreign iron and steel includes but is not limited to the cost of foreign iron or steel mill products (such as bar, billet, slab, wire, plate, or sheet), castings, or forgings utilized in the manufacture of the construction material and a good faith estimate of the cost of all foreign iron or steel components excluding COTS fasteners. Iron or steel components of unknown origin are treated as foreign. If the construction material contains multiple components, the cost of all the materials used in such construction material is calculated in accordance with the definition of "cost of components".

Fastener means a hardware device that mechanically joins or affixes two or more objects together. Examples of fasteners are nuts, bolts, pins, rivets, nails, clips, and screws.

Foreign construction material means a construction material other than a domestic construction material.

Foreign iron and steel means iron or steel products not produced in the United States. Produced in the United States means that all manufacturing processes of the iron or steel must take place in the United States, from the initial melting stage through the application of coatings, except metallurgical processes involving refinement of steel additives. The origin of the elements of the iron or steel is not relevant to the determination of whether it is domestic or foreign.

Predominantly of iron or steel or a combination of both means that the cost of the iron and steel content exceeds 50 percent of the total cost of all its components. The cost of iron and steel is the cost of the iron or steel mill products (such as bar, billet, slab, wire, plate, or sheet), castings, or forgings utilized in the manufacture of the product and a good faith estimate of the cost of iron or steel components excluding COTS fasteners.

Steel means an alloy that includes at least 50 percent iron, between 0.02 and 2 percent carbon, and may include other elements.

“United States” means the 50 States, the District of Columbia, and outlying areas.

(b) *Domestic preference.*

- (i) This clause implements 41 U.S.C. chapter 83, Buy American, by providing a preference for domestic construction material. In accordance with 41 U.S.C. 1907, the domestic content test of the Buy American statute is waived for construction material that is a COTS item, except that for construction material that consists wholly or predominantly of iron or steel or a combination of both, the domestic content test is applied only to the iron and steel content of the construction materials, excluding COTS fasteners. (See FAR 12.505(a)(2)). The Contractor shall use only domestic construction material in performing this contract, except as provided in paragraphs (b)(ii) and (b)(iii) of this clause.
- (ii) This requirement does not apply to information technology that is a commercial item or to the construction materials or components listed by the Government as follows: NONE [*Contracting Officer to list applicable excepted materials or indicate “none”*]
- (iii) The Contracting Officer may add other foreign construction material to the list in paragraph (b)(ii) of this clause if the Government determines that-
 1. The cost of domestic construction material would be unreasonable. The cost of a particular domestic construction material subject to the requirements of the Buy American statute is unreasonable when the cost of such material exceeds the cost of foreign material by more than 20 percent;
 2. The application of the restriction of the Buy American statute to a particular construction material would be impracticable or inconsistent with the public interest; or
 3. The construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality.

(c) Request for determination of inapplicability of the Buy American statute.

- (i)
1. Any Contractor request to use foreign construction material in accordance with paragraph (b)(iii) of this clause shall include adequate information for Government evaluation of the request, including--
 - A. A description of the foreign and domestic construction materials;
 - B. Unit of measure;
 - C. Quantity;
 - D. Price;
 - E. Time of delivery or availability;
 - F. Location of the construction project;
 - G. Name and address of the proposed supplier; and
 - H. A detailed justification of the reason for use of foreign construction materials cited in accordance with paragraph (b)(iii) of this clause.
 2. A request based on unreasonable cost shall include a reasonable survey of the market and a completed price comparison table in the format in paragraph (d) of this clause.
 3. The price of construction material shall include all delivery costs to the construction site and any applicable duty (whether or not a duty-free certificate may be issued).
 4. Any Contractor request for a determination submitted after contract award shall explain why the Contractor could not reasonably foresee the need for such determination and could not have requested the determination before contract award. If the Contractor does not submit a satisfactory explanation, the Contracting Officer need not make a determination.
- (ii) If the Government determines after contract award that an exception to the Buy American statute applies and the Contracting Officer and the Contractor negotiate adequate consideration, the Contracting Officer will modify the contract to allow use of the foreign construction material. However, when the basis for the exception is the unreasonable price of a domestic construction material, adequate consideration is not less than the differential established in paragraph (b)(iii)(1) of this clause.
- (iii) Unless the Government determines that an exception to the Buy American statute applies, use of foreign construction material is noncompliant with the Buy American statute.
- (d) *Data.* To permit evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the Contractor shall include the following information and any applicable supporting data based on the survey of suppliers:

Foreign and Domestic Construction Materials Price Comparison

Construction material description	Unit of measure	Quantity	Price (dollars) *
<i>Item 1</i>			
Foreign construction material			
Domestic construction material			
<i>Item 2</i>			
Foreign construction material			
Domestic construction material			

*[*Include all delivery costs to the construction site and any applicable duty (whether or not a duty-free entry certificate is issued).]*

[List name, address, telephone number, and contact for suppliers surveyed. Attach copy of response; if oral, attach summary.]

[Include other applicable supporting information.]

Article 14 HAZARDOUS MATERIALS IDENTIFICATION AND SAFETY DATA SHEETS

With or before each delivery, the Contractor shall submit a Safety Data Sheet, as prescribed in 29 CFR 1910.1200 and the latest version of Federal Standard No. 313, for all hazardous material delivered under this Agreement which will involve exposure to hazardous materials or items containing these materials, whether or not it is listed in Appendix A of the Standard. As used in this Article, “hazardous material” is as defined in the latest version of Federal Standard No. 313, including revisions adopted during the term of this Agreement.

Article 15 EXCUSABLE DELAYS

The Contractor shall be liable for default unless nonperformance is caused by an occurrence beyond the reasonable control of the Contractor and without its fault or negligence such as acts of God or the public enemy, acts of BSA, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, unusually severe weather, and delays of common carriers. The Contractor shall notify BSA in writing as soon as it is reasonably possible after the commencement of any excusable delay, setting forth the full particulars in connection therewith, shall remedy such occurrence with all reasonable dispatch, and shall promptly give written notice to BSA of the cessation of such occurrence.

Article 16 PAYMENT

- (a) Within fourteen (14) days after award, the Contractor shall submit a Schedule of Values broken down as required in the Supplementary Conditions of the Specifications, which will provide a basis for determining progress payments. The Schedule of Values will be subject to BSA's approval.
- (b) BSA will make progress payments against the agreement price on a monthly basis, or at more frequent intervals as determined by BSA's PPM Division, as the work proceeds. If BSA disagrees with the percentage complete of any item included in an invoice, it shall confer with the Contractor, but if agreement cannot be reached BSA shall authorize payment as it determines is appropriate and the Contractor may submit a Claim for the difference in accordance with the Disputes Article. Each application for payment shall be accompanied by the following signed certification:
- (c) "The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief, the work covered by this application for payment has been completed in accordance with the Contract Documents, and that all work for which previous payments have been received is free and clear of liens, claims, security interests or encumbrances of any kind. The Contractor further warrants that title to all work covered by this application for payment will pass to the Government no later than the time of payment."
- (d) In making such progress payments, BSA shall retain 10% of the estimated amount until final completion and acceptance of the work. However, if BSA's PPM Division determines that the Contractor has achieved satisfactory progress during any period for which a progress payment is to be made, BSA's PPM Division may authorize such payment to be made either with a reduced retention or in full without retention. Also, when the work is substantially complete, BSA shall retain an amount it considers adequate to protect BSA and the Government, and at its discretion, may release all or a portion of any excess amount to the Contractor. Furthermore, on completion and acceptance of each separate building or other division of the contract on which this agreement states a separate price, payment may be made therefore without retention of a percentage.
- (e) All equipment, material and work covered by progress payments made shall thereupon become the sole property of the Government, but this shall not be construed as:
 - (i) relieving the Contractor from the sole responsibility for all equipment, material and work upon which payments have been made or the restoration of any damaged work, or
 - (ii) waiving BSA's rights to require fulfillment of all this Agreement's terms.
- (f) If performance and/or payment bonds are required under this Agreement, BSA shall reimburse the Contractor the total premiums paid to obtain the bonds. This reimbursement shall be made at one time together with the first progress payment otherwise due after the Contractor has –
 - (i) furnished the bonds (including the coinsurance and reinsurance agreements, when applicable),
 - (ii) furnished evidence of full payment to the surety company, and
 - (iii) submitted a request for such payment.

- (g) BSA's reimbursement of the bond premiums shall not be made as increments of the individual progress payments and shall not be in addition to the agreement price.
- (h) On completion and acceptance of all work hereunder and presentation of a properly executed invoice, BSA shall pay the Contractor the Agreement Price, less progress payments made provided the Contractor shall have first furnished BSA a Release of Liens from all subcontractors, together with a release by the Contractor of all claims against BSA and the Government arising by virtue of this Agreement, other than claims in stated amounts as may be specifically excepted by the Contractor from the operation of the release. If the Contractor's claim to amounts payable under this Agreement has been assigned to a bank, trust company, or other institution, including a Federal lending institution, a release may also be required of the assignee. BSA may withhold from any final payment the amount of any Claim it has against the Contractor arising out of the agreement work, provided it has first given the Contractor notice of the Claim and the amount for which BSA believes the Contractor is liable.

Article 17 INSPECTION

- (a) BSA has the right to inspect and test all items and services (including, but not limited to, raw materials, components, intermediate assemblies and end products) to the extent practicable at all times and places including the period of manufacture, and in any event prior to acceptance. BSA shall perform inspections and tests in a manner that will not unduly delay the work. If BSA performs tests or inspections on the contractor's premises or that of a subcontractor, the Contractor shall furnish, or cause to be furnished, all reasonable facilities and assistance for the safe and convenient performance of these duties at no additional cost to BSA. BSA assumes no contractual obligation to perform any test or inspection for the Contractor's benefit unless specifically set forth elsewhere in this Agreement. BSA's failure to inspect the items and services shall not relieve the Contractor from responsibility, nor impose liability on BSA, for nonconformity.
- (b) If BSA specifies an inspection system elsewhere in this Agreement, the Contractor shall provide and maintain such inspection system and deliver only those items and services that have been found to conform to the requirements of this Agreement. The Contractor shall maintain complete records of all inspections and make them available to BSA during performance and for as long as this Agreement requires.
- (c) If BSA finds the materials or work to be defective, the Contractor shall promptly repair or replace such materials or work as directed by BSA at no increase in the agreement price. The Contractor shall bear the transportation cost. If the Contractor fails to act as directed within 10 days from BSA's written notice, BSA may repair or replace such materials or work by contract or otherwise and assess the Contractor the excess cost it incurred as a result and/or terminate the Contractor for default. If the Contractor is not ready for inspection or if prior rejection makes reinspection or retest necessary, BSA may charge the Contractor the additional cost of test and/or inspection. The Contractor shall not tender for

- acceptance corrected or rejected items or services without disclosing the former rejection or requirement for correction and shall disclose the corrective action taken.
- (d) BSA shall affect acceptance of all materials and services ordered hereunder within a reasonable time after delivery. Except as otherwise provided for in this Agreement, acceptance shall be conclusive except as regards latent defects, fraud, or such gross mistakes as amount to fraud.

Article 18 TAXES

The Agreement price includes all applicable federal, state, and local taxes and duties that company is required to collect. In determining the applicability of any tax or duty, due consideration shall be given to the relationship of the subject matter of this Agreement to the Government, and the fact that BSA is exempt from New York State and local sales and use taxes under Exempt Organization Certificate No. EX-216880.

Article 19 TITLE AND RISK OF LOSS

Unless specified elsewhere in this Agreement, title to items furnished under this Agreement shall pass to the Government upon acceptance, regardless of when or where BSA takes physical possession. If BSA makes partial or progress payments, title shall pass to the Government for the items covered by the payment. Unless the Agreement specifically provides otherwise, risk of loss or damage to the items provided under this Agreement shall remain with the Contractor until delivery of the items to the destination specified in the Agreement.

Article 20 WARRANTY

Notwithstanding inspection and acceptance by BSA under any provision of this Agreement, the Contractor warrants that the material, supplies and/or equipment delivered (hereinafter called "the goods") and any services performed hereunder, shall be of first-class quality and shall accord in every respect with the description, specifications, drawings, and/or samples elsewhere identified in this Agreement. The Contractor also warrants that all goods delivered hereunder shall be free from defects in design (unless the design is furnished by the Buyer), material and workmanship. The warranty shall begin on acceptance and extend for a period of one year or the manufacturer's warranty period, whichever is longer. If any nonconformity appears within that time, BSA, in addition to any other rights and remedies provided by law, or under other provisions of this Agreement, may require the Contractor to

- (a) replace or repair the goods and/or reperform the services at no increase in price or
- (b) reduce the Agreement price to reflect the reduced value of the Contractor's performance.

When supplies are returned, the Contractor shall bear the risk of loss and transportation cost. If the Contractor fails to replace or repair the goods or reperform the services within 10 days of BSA's written notice to do so, BSA shall have the right by contract or otherwise to replace or repair the goods or reperform the services, and charge the Contractor the cost occasioned thereby. Furthermore, the warranties provided for in this paragraph shall be in addition to such other warranties as may be specifically provided for elsewhere in this Agreement.

Article 21 EXTRAS

Except as otherwise provided in this Agreement, BSA shall not pay for extras unless authorized in writing by BSA.

Article 22 LIMITATION OF LIABILITY

Except as otherwise provided by an express or implied warranty, the Contractor will not be liable to BSA for consequential damages resulting from any defect or deficiencies in accepted items.

Article 23 COMPLIANCE WITH LAWS

- (a) The Contractor shall comply with all applicable federal, state, local laws and ordinances, executive orders, all pertinent lawful orders, rules and regulations, including those applicable by reason of the fact that this Agreement is issued under the Prime Contract and such compliance shall be a material requirement of this Agreement. If the Contractor is required to obtain licenses and/or permits to comply with this Article, it will do so without additional expense to BSA.
- (b) The Contractor warrants that each chemical substance constituting or contained in items furnished by this Agreement is on the list of substances published by the Administrator of the Environmental Protection Agency pursuant to the Toxic Substances Control Act, as amended. With each delivery the Contractor shall provide BSA any applicable Safety Data Sheet as required by the Occupational Safety and Health Act and applicable regulations including, without exception, 29 CFR 1910.1200.
- (c) The Contractor shall perform work under this Agreement in a manner that is safe, healthy and environmentally acceptable, and shall develop and manage a comprehensive program in support of these objectives. Specific requirements may be included in special or supplemental terms to this Agreement.
- (d) The Contractor shall include this clause in all subcontracts, at any tier, involving performance of this Agreement.

Article 24 COMPLIANCE WITH INTERNET PROTOCOL VERSION 6 (IPv6) IN ACQUIRING INFORMATION TECHNOLOGY

(Only applicable for agreements to purchase Information Technology)

This clause is applicable if this contract involves the acquisition of Information Technology (IT) that uses Internet Protocol (IP) technology. The Contractor agrees that

- (a) all deliverables that involve (IT) that uses (IP) (products, services, software, etc.) comply with IPv6 standards and interoperate with both IPv6 and IPv4 systems and products; and
- (b) it has IPv6 technical support for fielded product management, development and implementation available.

If the Contractor plans to offer a deliverable that offers IT that is not initially compliant, the Contractor agrees to

- (c) obtain BSA's approval before starting work on the deliverable; and
- (d) have IPv6 technical support for fielded product management, development and implementation available.

Should the Contractor find that the Statement of Work or specifications of this contract do not conform to IPv6 standards, it must notify BSA of such nonconformance and act in accordance with BSA's instructions.

Article 25 AUTHORIZATION AND CONSENT

The Government has given its authorization and consent for all use and manufacture of any invention described in and covered by a patent of the United States in the performance of this Agreement or any part hereof or any amendment hereto or any subcontract hereunder (including any lower-tier subcontract) which is expected to exceed the Simplified Acquisition Threshold (SAT).

Article 26 PATENT INDEMNITY-SUPPLIES AND SERVICES

The Contractor shall indemnify BSA, the Government, and their officers, agents, and employees against liability, including costs, for infringement of any United States letters patent (except U.S. letters patent issued upon an application which is now or may hereafter be kept secret or otherwise withheld from issue by order of the Government) arising out of the manufacture or delivery of supplies or out of construction, alteration, modification, or repair of real property (hereinafter referred to as "construction work") under this Agreement, or out of the use or disposal by or for the account of the Government or BSA of such supplies or construction work. The foregoing indemnity shall not apply unless the Contractor shall have been informed as soon as practicable by the Government (with notice to BSA) of the suit or action alleging such infringement, and shall have been given such opportunity as is afforded by applicable laws, rules, or regulations to participate in the defense thereof, and further, such indemnity shall not apply to:

- (a) An infringement resulting from compliance with specific written instructions of BSA or the Government directing a change in the supplies to be delivered or in the materials or equipment to be used or directing a manner of performance of the Agreement not normally used by the Contractor.
- (b) An infringement resulting from addition to, or change in, such supplies or components furnished, or construction work performed which addition or change was made subsequent to delivery or performance by the Contractor, or
- (c) A claimed infringement which is settled without the consent of the Contractor, unless required by final decree of a court of competent jurisdiction.

Article 27 REPORTING OF ROYALTIES

If any royalty payments totaling more than \$250 are directly involved in the Agreement or are reflected in the Agreement price to BSA, the Contractor agrees to report in writing to the Government through BSA during the performance of this Agreement and prior to its completion or final settlement the amount of any royalties or other payments paid or to be paid by it directly to others in connection with the performance of this Agreement together with the names and addresses of licensors to whom such payments are made and either the patent numbers involved or such other information as will permit identification of the patents or other basis on which royalties are to be paid. The approval of DOE or BSA of any individual payments or royalties shall not stop the Government at any time

from contesting the enforceability, validity or scope of, or title to, any patent under which a royalty or payments are made.

Article 28 NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT

The provisions of this clause shall be applicable only if the amount of this Agreement exceeds the Simplified Acquisition Threshold (SAT).

- (a) The Contractor shall report to the Government through BSA promptly and in reasonable written detail, each notice or claim of patent or copyright infringement based on the performance of this Agreement of which the Contractor has knowledge.
- (b) In the event of any claim or suit against the Government on account of any alleged patent or copyright infringement arising out of the performance of this Agreement or out of the use of any supplies furnished or work or services performed hereunder, the Contractor shall furnish to the Government when requested by the Government or BSA, all evidence and information in possession of the Contractor pertaining to such suit or claim. Such evidence and information shall be furnished at the expense of the Government except where the Contractor has agreed to indemnify the Government or BSA.
- (c) This clause shall be included in all subcontracts.

Article 29 SUSPECT/ COUNTERFEIT ITEMS

- (a) "Suspect Items" are items, for which there is an indication by visual inspection, testing, or other information that it may not conform to established Government- or industry-accepted specifications or national consensus standards. "Counterfeit Items" are suspect items that are a copy or substitute without legal authority to do so or whose material, performance, or characteristics are knowingly misrepresented by the supplier, distributor, or manufacturer. Forms of misrepresentation include, but are not limited to, the following:
 - (b) Falsified product sources (counterfeits);
 - (c) Falsified or modified quality assurance records;
 - (d) False marking as to class, type, or grade;
 - (e) Mixing of unmarked materials with marked materials;
 - (f) False labeling as to qualification or acceptance by testing/certifying organizations
 - (g) Used and/or refurbished products misrepresented as new products.
 - (h) Types of materials, parts, and components, known to have been misrepresented include, but are not limited to:
 - (i) Lifting materials such as slings, hooks, cables, and shackles;
 - (j) Threaded fasteners fraudulently marked as high-strength bolts;
 - (k) Refurbished electrical circuit breakers sold under false certifications;
 - (l) Valves;
 - (m) Piping and piping components;
 - (n) Electrical devices;
 - (o) Channel members, plate, bar, and flanges;
 - (p) Other structural items.

- (i) See the BNL Suspect / Counterfeit Items, Subject Area. The link can be found on the PPM Terms and Conditions Listing (<https://www.bnl.gov/ppm/terms-and-conditions.php>) under SBMS External Files – All Documents. S/CIs may pose immediate and potential threats to the safety of DOE and contractor workers, the public, and the environment. Failure of a safety or mission critical system due to an S/CI could also have security implications at DOE facilities.
- (q) Items furnished to BSA under this Agreement shall not include suspect/counterfeit parts nor shall such parts be used in performing any work under this Agreement whether on or off the Laboratory site.
- (r) If suspect/counterfeit parts are furnished under this Agreement and are found on the Laboratory site, such parts shall be impounded by BSA or they shall be removed by the Contractor as directed by BSA. The Contractor shall promptly replace such parts with supplies acceptable to BSA and the Contractor shall be liable for all costs relating to impoundment, removal, and replacement. BSA may turn such parts over to the U.S. Office of the Inspector General for investigation and reserves the right to withhold payment pending the outcome of any investigation.
- (s) The rights of BSA in this clause are in addition to any other rights provided by law or under this Agreement.

Article 30 APPLICABLE LAW

The parties agree that the federal common law of government contracts will govern the construction and interpretation of this Agreement and all claims arising under or related to this Agreement or work performed under this Agreement or claims of breach of this Agreement, regardless of the forum in which any party to this Agreement brings action. For purposes of this Agreement, the federal common law of government contracts will consist of the interpretation of contract clauses and the law enunciated and applied to government contracts by the Boards of Contract Appeals, the Comptroller General (CG), and Federal Courts having jurisdiction over the Boards or the CG. The term "Board of Contract Appeals" means those established under the Contract Disputes Act of 1978, 41 U.S.C. 607(a)(1), and successor bodies.

Article 31 BANKRUPTCY

If the Contractor enters into any proceeding relating to bankruptcy, it shall give written notice to BSA's Procurement and Property Management Division (PPM) via certified mail with five (5) days of initiating the proceedings. The notification shall include the date on which the proceeding was filed, the identity and location of the court and a listing, by Contract number, of all BSA agreements for which final payment has not been made.

Article 32 WALSH-HEALY PUBLIC CONTRACTS ACT

(Only applicable to work performed in the U.S)

If this Contract is for the manufacture or furnishing of materials, supplies, articles, or equipment in an amount which exceeds or may exceed \$20,000 and is otherwise subject to the Walsh-Healy Public Contracts Act, as amended (41 USC 35-45), there are hereby

incorporated by reference all regulations issued thereunder by the Secretary of Labor, such representations and stipulations being subject to all applicable rulings and interpretations of the Secretary of Labor which are now or may hereafter be in effect.

Article 33 INTELLECTUAL PROPERTY INDEMNITY

The Contractor shall indemnify BSA and the Government and their officers, agents, and employees against alleged or actual liability, including costs of any nature whatsoever, for the Contractor's infringement or misappropriation of third party intellectual property, including, but not limited to, patents, copyrights, trademarks, or trade secrets that the Contractor has used, included, or embodied in its performance of the Contract. The Contractor will promptly notify BSA in the event it is notified that it has infringed or misappropriated a third party's intellectual property; in the event that infringement or misappropriation has occurred, in addition to the indemnification and at BSA's sole option, the Contractor will either procure the rights for BSA and the Government to use the intellectual property or BSA will terminate the Contract for cause.

Article 34 INDEMNITY FOR DEFECTIVE COST OR PRICING DATA

The Contractor hereby indemnifies and agrees to hold BSA harmless from any and all price or cost reductions made pursuant to the FAR 52.215-10 "Price Reduction for Defective Certified Cost or Pricing Data" clause or the FAR 52.215-11 "Price Reduction for Defective Certified Cost or Pricing Data - Modifications" clause, or any other provisions of the prime contract under which this Agreement is issued, and from and against any and all cost disallowances or non-recognitions of costs under such prime contract, if such price or cost reduction, cost disallowance or non-recognition of costs arises or results directly or indirectly because:

- (a) Contractor, or any of Contractor's subcontractor or prospective subcontractor at any tier hereunder, furnished cost or pricing data that were not complete, accurate and current as certified in Contractor's Certificate of Current Cost or Pricing Data; or
- (b) Contractor, or any of Contractor's subcontractor or prospective subcontractor at any tier hereunder, furnished data of any description that were not accurate.

Accordingly, without limitation of the foregoing, the price of this Agreement shall be reduced and the Agreement shall be modified in writing as necessary to reflect the full amount of any and all such price or cost reductions and any and all such cost disallowances or non-recognitions of costs. The rights and remedies of BSA under or pursuant to this indemnity shall be cumulative and additional to any other or further rights and remedies provided under this Agreement or at law or in equity.

Article 35 LIABILITY WITH RESPECT TO COST ACCOUNTING STANDARDS

(Not applicable for Firm Fixed Price Contracts)

The Contractor shall be liable to the Government for increased costs or interest resulting from the Contractor's failure to comply with the Cost Accounting Standards and related clauses, if these clauses are incorporated in this Agreement.

Article 36 WHISTLEBLOWER PROTECTION FOR CONTRACTOR EMPLOYEES

- (a) The Contractor shall comply with the requirements of "DOE Contractor Employee Protection Program" at 10 CFR Part 708 for work performed on behalf of DOE directly related to activities at DOE owned or leased sites.
- (b) The Contractor shall insert or have inserted the substance of this clause, including this paragraph (b) in subcontracts, at all tiers, for subcontracts involving work performed on behalf of DOE directly related to activities at DOE owned or leased sites.

Article 37 PRESS RELEASES AND OTHER PUBLIC DISSEMINATION OF CONTRACT INFORMATION

Press releases through print, broadcast or other media concerning the award, performance, results or conclusions from the work under this Contract shall not be made or otherwise distributed to the public without prior written consent by BSA. Any material proposed to be released shall be submitted to the BSA Contractual Representative no later than two weeks prior to the intended press release.

Article 38 REPORTING EXECUTIVE COMPENSATION

(Agreements valued at \$40,000 or more)

In accordance with FAR 52.204-10, Reporting Executive Compensation and First-Tier Subcontract Awards, and as a condition of award of this Agreement, the Contractor will be required to provide to the BSA's PPM Division information relative to executive total compensation as directed below. This requirement does not apply to Agreements with individuals.

For purposes of this Article, "executive" means officers, managing partners, or any other employees in management positions. "Total Compensation" means the cash and noncash dollar value earned by the executive during the Contractor's preceding fiscal year and includes the following (for more information see 17 CFR 229.402(c)(2)):

- (a) Salary and bonus.
- (b) Awards of stock, stock options, and stock appreciation rights. Use the dollar amount recognized for financial statement reporting purposes with respect to the fiscal year in accordance with the Statement of Financial Accounting Standards No. 123 (Revised 2004) (FAS 123R), Shared Based Payments.
- (c) Earnings for services under non-equity incentive plans. This does not include group life, health, hospitalization or medical reimbursement plans that do not discriminate in favor of executives and are available generally to all salaried employees.
- (d) Change in pension value. This is the change in present value of defined benefit and actuarial pension plans.
- (e) Above-market earnings on deferred compensation which is not tax-qualified.
- (f) Other compensation, if the aggregate value of all such other compensation (e.g., severance, termination payments, value of life insurance paid on behalf of the employee, perquisites or property) for the executive exceeds \$10,000.

The Contractor agrees to report, by the end of the month following award of the Agreement, and annually thereafter, the names and total compensation of each of the five most highly compensated executives for the Contractor's preceding completed fiscal year, if—

- (a) In the Contractor's preceding fiscal year, the Contractor received—
 - (i) 80 percent or more of its annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and
 - (ii) \$25,000,000 or more in annual gross revenues from Federal contracts (and subcontracts), loans, grants (and subgrants) and cooperative agreements; and
- (b) The public does not have access to information about the compensation of the executives through periodic reports filed under section 13(a) or 15(d) of the Securities Exchange Act of 1934 (15 U.S.C. 78m(a), 78o(d)) or section 6104 of the Internal Revenue Code of 1986.

Article 39 IDENTIFICATION OF EMPLOYEES

FAR 52.222-54 Employment Eligibility Verification, which is included in this Agreement, requires the Contractor to use an electronic Employment Eligibility Verification (E-Verify) system designated by the Secretary of Homeland Security to verify the eligibility of:

- (a) all persons hired during the Agreement term by the Contractor to perform duties within the United States; and
- (b) all persons assigned by the Contractor to perform work within the United States on the Federal Contract.

The Contractor agrees to incorporate FAR 52.222-54 and the substance of this clause in all lower subcontracts issued under this Agreement.

Article 40 BADGING OF CONTRACTOR EMPLOYEES

- (a) All Contractor and Subcontractor employees who will perform work on the Brookhaven National Laboratory (BNL) site are required to attend the Training/Orientation identified by Brookhaven Science Associates, LLC (BSA), on their first day onsite and be approved by BSA. Contractor and Subcontractor employees who have not attended the Training/Orientation will be directed to stop work until they have done so.
- (b) At no cost to the Contractor, BSA will issue Contractor employee photo identification badges, which will be required to obtain access to the site.
- (c) U.S. citizens must bring proof of citizenship, photo ID (Brookhaven National Laboratory enforces nationwide identification requirements for federal site access as required by the federal [REAL ID Act](#)), and proof of Social Security number. Acceptable citizenship proof is a passport, birth certificate, naturalization papers, voting eligibility, or similar documentation. Drivers' license, military ID cards, union cards, and Social Security cards are insufficient by themselves as proof of citizenship. Proof of Social Security number includes Social Security card, pay stub, W-2 form or medical insurance card. Handwritten documents are not acceptable. Upon arrival at the BNL Main Gate, they will be sent to the Visitors

Trailer to receive a temporary pass, which allows them access to the site to report to their assigned work area.

- (d) All non-U.S. citizen workers, including Legal Permanent Residents, requiring access to BNL shall complete a Guest Registration Form by entering all of the required information. This registration can be located from the BNL home page, <http://www.bnl.gov> by selecting the Guest Registration link. Each worker shall provide the requested personal information and information concerning their company and submitting the form. Note the designated BNL sponsor must be included on the form. Non-U.S. citizens shall provide documentation showing eligibility to be in the United States. This includes a valid passport and visa. Other documentation, to include but not limited to, a permanent resident card, passport entry "process form 1-551", INS documents 1-94, 1-20, DS-2019, or 1-539 part 3 and proof of Social Security, may be necessary to establish legal status and work on the BNL site. Failure to provide proper documentation will result in access being denied until the required documents are provided. Foreign National Contractor employees must submit all required documents 30 days in advance of the required access date as access approvals may take up to 30 days. All Foreign National Contractor employees are responsible to ensure they remain in legal INS status. BNL "ID Badges" will expire on the expiration date of their current legal status or one year after issuance, whichever comes first. At that point they must reapply with updated documentation to continue eligibility to work at BNL.
- (e) The Contractor shall assure that all Contractor and Subcontractor employees promptly obtain a current BNL ID Badge. Contractor/Vendor Orientation Training must be completed before a badge will be issued. Badges shall be obtained from the Badging Office, in the Science and User Support Center (SUSC), Bldg. 101, 101 York Avenue, Monday through Thursday, between 7:00 am. through 6:00 pm. and Friday from 7:00 am through 5:00 pm. To keep badging time to a minimum, the Contractor should limit the number of workers sent at the same time to no more than ten (10).
- (f) All Contractor and Subcontractor employees shall wear their ID Badges visibly at all times while on site
- (g) Contractor ID Badges are valid for one year after issuance and require renewal at the Badging Office Bldg. 101. Immediately on release of employees or project completion, whichever comes sooner, the badge holder or the Contractor's authorized representative shall return badges to the Badging Office, in the Science and User Support Center (SUSC), Bldg. 101.
- (h) All badge holders shall report lost identification badges immediately to the Badging Office.

Article 41 CONTROLLED SUBSTANCES AND ALCOHOL

- (a) The consumption or unauthorized possession of alcoholic beverages, or the illegal use or possession of Controlled Substances, is prohibited in all areas of the BNL site. Personnel who consume alcohol off-site or are found in possession of alcoholic beverages shall be restricted from entering BNL.
- (b) BSA reserves the right to conduct drug and alcohol screening randomly, and after any accidents.

**Article 42 CONTROLLED SUBSTANCE FREE AND ALCOHOL-FREE
WORKPLACE**

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

- “Alcohol-Free Workplace” means the site(s) for the performance of work done by the Contractor in connection with a specific contract at which employees of the Contractor are prohibited from possession, consumption or working under the influence of alcohol.

"Controlled Substance" means a controlled substance in schedules I through V of section 202 of the Controlled Substances Act (21 U.S.C. 812) and as further defined in regulation at 21 CFR 1308.11 - 1308.15.

- "Conviction" means a finding of guilt (including a plea of nolo contendere) or imposition of sentence, or both, by any judicial body charged with the responsibility to determine violations of the Federal or State criminal drug statutes.
- "Criminal drug statute" means a Federal or non-Federal criminal statute involving the manufacture, distribution, dispensing, possession, or use of any controlled substance.
- "Drug-free workplace" means the site(s) for the performance of work done by the Contractor in connection with a specific contract at which employees of the Contractor are prohibited from engaging in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance.
- "Employee" means an employee of a Contractor directly engaged in the performance of work under this Agreement.
- "Directly engaged" is defined to include all direct cost employees and any other Contractor employee who has other than a minimal impact or involvement in contract performance
- "Individual" means a Contractor that has no more than one employee including the Contractor.
- "Substance" means a Controlled Substance, as defined above, or alcohol.

(b) Within 30 days after award (unless a longer period is agreed to in writing by BSA’s PPM Division, or as soon as possible for Agreements of less than 30 days performance duration) the Contractor shall

- (i) Establish and submit a copy of a written drug and alcohol policy.
- (ii) Publish a statement notifying its employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited on the Brookhaven site and specifying the actions that will be taken against employees for violations of such prohibition;
- (iii) Establish an ongoing drug-free and alcohol-free awareness program to inform such employees about
 1. dangers of substance abuse in the workplace;
 2. Contractor's policy of maintaining a drug-free and alcohol-free workplace;
 3. any available substance abuse counseling, rehabilitation, and employee assistance programs; and

4. the penalties that may be imposed upon employees for substance abuse violations occurring in the workplace;
- (iv) Establish a written substance abuse procedure describing the program and criteria for substance abuse screening, counseling, and follow-up, including identification of the Medical Review Officer responsible for reviewing the results of the substance abuse tests;
- (v) Provide all employees engaged in performance of the agreement with a copy of the statement required by subparagraph (b)(ii) of this clause;
- (vi) Notify such employees in writing in the statement required by subparagraph (b)(ii) of this clause that, as a condition of continued employment on this Agreement, the employee will
 1. abide by the terms of the statement; and
 2. notify the employer in writing of the employee's conviction under a criminal Controlled Substance or alcohol statute no later than 5 days after such conviction;
- (vii) Notify the BSA Contractual Representative in writing within 10 days after receiving notice under subdivision (b)(vi)(2) of this clause, from an employee or otherwise receiving actual notice of such conviction. The notice shall include the position title of the employee;
- (viii) Within 30 days after receiving notice under subdivision (b)(vi)(2) of this clause of a conviction, take one of the following actions with respect to any employee who is convicted of a Controlled Substance or alcohol abuse violation:
 1. taking appropriate personnel action against such employee, up to and including termination; or
 2. require such employee to satisfactorily participate in a substance abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
- (ix) Contractually impose the requirements of this Article on lower tier subcontractors, ensure the requirements are fulfilled, and have documentation available upon request demonstrating such compliance; and
- (x) Make a good faith effort to maintain a Controlled Substance free and alcohol-free workplace through implementation of subparagraphs (b)(ii) through (b)(viii) of this clause.
- (c) In addition to other remedies available to BSA, the Contractor's failure to comply with the requirements of paragraph (b) of this clause may render the Contractor subject to suspension of agreement payments, termination of the agreement for default, and suspension from award of further BSA agreements.
- (d) **SUBSTANCE ABUSE PROGRAM**
 - (i) **Program Implementation.** The Contractor shall, consistent with BSA's Alcohol and Substance Abuse Program, as defined in the BSA Model ES&H plan, maintain a compliant workplace drug and alcohol testing program.

1. All Contractor employees coming into a construction area are subject to testing.
- (ii) Where BSA has Identified Testing Designated Positions, the Contractor's Workplace Substance Abuse Program shall comply with requirements set forth in 10 CFR part 707.
- (iii) Remedies. In addition to any other remedies available to BSA, the Contractor's failure to comply with the requirements of this Article and perform in a manner consistent with this Article may render the Contractor subject to: the suspension of contract payments and/or termination for default; and suspension or debarment
- (iv) Subcontracts
 1. The Contractor agrees to notify BSA reasonably in advance of, but not later than 30 days prior to, the award of any subcontract the Contractor believes may be subject to the requirements of the BSA Program.
 2. The Contractor shall require all subcontractors to implement a Workplace Substance Abuse Program that complies with the requirements of the BSA Program as condition for award of the subcontract.
 3. The Contractor agrees to include, and require the inclusion of, the requirements of this clause in all subcontracts, at any tier.
- (v) Compliance. BSA shall monitor the Contractor's implementation of the program for effectiveness and compliance with this Article.
- (vi) The Contractor agrees to include, and require the inclusion of, the requirements of this clause in all subcontracts, at any tier, that are subject to the BSA Alcohol and Substance Abuse Program.

Article 43 REPORTING OF ACCIDENTS/EVENTS

All incidents involving illness/injury, property damage or "off-normal occurrences" shall be immediately reported to the Contractor's BSA point of contact and ensure that the accident/event scene and relevant evidence found therein is adequately protected from alteration. The Contractor must support BSA's investigation.

"off-normal occurrence" is any unplanned or unexpected event, including near misses, or the discovery of a deficiency in a procedure, plan, or system that has real or potentially undesirable consequences to personnel, equipment, facilities, the environment, and/or programs.

Investigations shall be conducted for all events that result in either an OSHA reportable, or OSHA recordable event, or result in a Days Away Restricted or Transferred (DART) case. BSA must be granted access to the injured party, and to individuals with direct knowledge of the accident or incident to conduct interviews. The USDOE also reserves the right to conduct an independent investigation of any incident.

All accident reports filed with the Contractor's Worker's Compensation carrier (Forms C2.5 and C11) and the total man-hours lost as a result of an accident under this Agreement shall be submitted monthly to BSA's PPM Division.

Article 44 INSPECTION OF VEHICLES AND MATERIALS

- (a) All vehicles removing materials from anywhere on the Brookhaven site must pass through the unmanned Vehicle Radiation Monitoring System (VRMS) before and after the materials are loaded. If radioactive materials are detected, the driver shall immediately notify BSA by calling the number indicated on the VRMS telephone. The VRMS is located on the north side of Princeton Avenue between Upton Road and Weaver Drive.
 - (i) When dumpsters are used the Contractor shall track and log each dumpster that is delivered to BNL. All dumpsters shall pass through the VRMS when full and/or prior to leaving BNL. A ticket will be printed by the VRMS for all scans and the contractor shall retain this and record the ticket in the dumpster log for submission to BSA monthly.
- (b) A vehicle found to contain radioactive material may not leave the Brookhaven site until the material is identified and dispositioned. Only vehicles carrying radioactive materials that are properly packaged and labeled in accordance with U.S. Department of Transportation regulations are exempt from this procedure. Materials removed from known radiological areas must be monitored in accordance with the applicable provisions of the procedure FS-SOP-1005, Radiological Surveys required for the Release of Material from Areas Controlled for Radiological Purposes a copy of which is available for review at BSA's PPM Division.
- (c) (b) Prior to use at BNL, all contractor heavy equipment must be inspected by BSA. Heavy equipment is any high-power vehicle or machine engineered to perform construction operations that exceed human capacity. This includes, but is not limited to, excavators, loaders, backhoes, bobcats/skid steers, powered industrial trucks, drill rigs, aerial lifts, vehicle mounted compressors, and cranes. The inspection will assess if the equipment is in a safe and operational condition in accordance with the manufacturer's operations manual and applicable OSHA standards. Equipment must be free of Counterfeit Items and Suspect Items. Deficiencies must be corrected before use at BNL. Any attachment to said equipment will also be reviewed to assure compatibility and ensure it is being utilized in accordance with the manufacturer's operations and maintenance (O&M) manuals. BSA reserves the right to inspect and search vehicles entering or leaving the site.

Article 45 INSURANCE

- (a) The Contractor shall, at no cost to BSA, maintain policies providing the following insurance protection, which insurance shall apply to all operations of the Contractor hereunder and employees of the Contractor engaged therein. Unless waived in writing by BSA's PPM Division, the Contractor shall also provide an endorsement to its liability policies either by
 - (i) Naming Brookhaven Science Associates, LLC and the U.S. Government as additional insureds or
 - (ii) Insuring the Contractor's obligations under the paragraph hereof entitled "Independent Contractor; Hold Harmless."

- (b) *Worker's Compensation* – Coverage as provided in the Worker's Compensation Law of the State of New York having jurisdiction, including occupational disease coverage for limits of \$1,000,000 per person in any one case and additional Employees Liability of \$1,000,000 per occurrence.
- (c) *General Liability* – Insurance with limits of \$1,000,000/\$2,000,000 for bodily injury liability and \$100,000 for property damage liability in the comprehensive liability form.
- (d) *Automobile Liability* – Insurance with limits of \$250,000/500,000 for bodily injury liability and \$50,000 for property damage liability in the comprehensive policy form.
- (e) The Contractor may purchase such additional or other insurance protection, as it may deem necessary, at its own expense.
- (f) The Contractor shall furnish BSA's PPM Division a certificate of insurance to show compliance with paragraph (a) above. The insurance certificate shall be submitted within fourteen (14) days of award and prior to issuance of a Notice to Proceed. The Contractor shall also ensure that such certificate states that the insurance carrier(s) will give BSA 30 days, prior written notice if there is any cancellation or material change in such policies. The Contractor shall also ensure that such certificates are kept up to date during the period of Contract performance. All insurance certificates should be forwarded to the designated BSA's Contract Representative at:

Brookhaven Science Associates
Brookhaven National Laboratory
Procurement and Property Management Division
101 York Avenue, SUSC Bldg. 101
Upton, NY 11973-5000

Article 46 PERFORMANCE AND PAYMENT BOND REQUIREMENTS

- (a) If the Agreement price exceeds \$35,000 but does not exceed \$150,000, the contractor shall provide either a payment bond or an alternative payment protection method acceptable to and approved by BSA's PPM Division. If the contract price exceeds \$150,000, the Contractor shall furnish performance and payment bonds in the amounts described below with a surety company holding a certificate of authority from the Secretary of the Treasury (see Department of the Treasury Circular 570). Bonds shall be submitted on the forms provided by BSA. Bonds are to be provided within fourteen (14) days after agreement award, and before commencing work. In lieu of a payment or performance bond, the Contractor may furnish a certified check payable to BSA in the amount of one hundred percent (100%) of the bond amount.
 - (i) *Performance Bond*: 100% of the agreement price;
 - (ii) *Payment Bond*: 100% of the agreement price.
- (b) Performance bonds shall remain effective until the warranty period under the *Warranty of Construction* Article has expired, and payment bonds shall remain effective until final payment under the *Payment* Article.

- (c) After commencing work, BSA may require the Contractor to furnish additional security to protect BSA, the Government and persons supplying labor or materials under this Agreement if any bond furnished becomes unacceptable or the agreement price is increased so that the penal sum of any bond becomes inadequate in the opinion of BSA's PPM Division.

Article 47 CONTRACTOR'S RESPONSIBILITIES

The Contractor is responsible for all damages to persons or property that occurs, as a result of the Contractor's fault or negligence. The Contractor shall also be responsible for all materials delivered and work performed until completion and acceptance of the entire work, except for any completed unit of work, which may have been accepted under this Agreement. The Contractor's responsibility shall apply to activities of the Contractor, its agents, lower-tier subcontractors, and employees.

Article 48 SUPERINTENDENCE BY THE CONTRACTOR

At all times during performance of this Agreement and until the work is completed and accepted, the Contractor shall directly superintend the work or assign and have on the worksite a competent superintendent from its organization who is satisfactory to BSA and has authority to act for the Contractor.

Article 49 LABOR STANDARDS

The following provisions apply to work performed under this Agreement as if they were set forth herein in their entirety. For more information on clauses incorporated by reference see the Article entitled *Clauses Incorporated by Reference*.

<i>Clause</i>	<i>FAR Reference</i>
Construction Wage Rate Requirements	52.222-6
Withholding of Funds	52.222-7
Payrolls and Basic Records	52.222-8
Apprentices and Trainees	52.222-9
Compliance with Copeland Act Requirements	52.222-10
Subcontracts (Labor Standards)	52.222-11
Contract Termination – Debarment	52.222-12
Compliance with Construction Wage Rate Requirements and Related Regulations	52.222-13
Disputes Concerning Labor Standards	52.222-14
Certification of Eligibility	52.222-15

Article 50 NOTICE REGARDING LABOR DISPUTES

- (a) If the Contractor has knowledge that any actual or potential labor dispute is delaying or threatens to delay the timely performance of this Agreement, the Contractor shall immediately give notice, including all relevant information, to BSA's PPM Division.
- (b) The Contractor agrees to insert the substance of this clause, including this paragraph (b) in any subcontract hereunder, except that each subcontract shall provide that required notice be given to the next higher tier subcontractor, or the Contractor, as the case may be of all relevant information with respect to such dispute(s).

Article 51 CHANGES

- (a) At any time, without notice to the sureties, BSA may, by written notice designated as a change order, make changes within the general scope of this Agreement, including but not limited to changes:
 - (i) in the specifications (including drawings and designs),
 - (ii) in the method and/or manner of performance,
 - (iii) in the Government-furnished facilities, equipment, materials, services, or site; or
 - (iv) directing acceleration in performance.
- (b) BSA's inspectors and project coordinators may issue field change orders up to \$5,000. Such change orders must be in writing and signed by the authorized inspector or project coordinator and the Contractor. All field change orders must be incorporated into this Agreement by a formal amendment prior to agreement completion.
- (c) Except as herein provided, no order, statement, or conduct of BSA's Technical Representative shall be treated as a change under this article or entitle the Contractor to an equitable adjustment hereunder. If the Contractor considers that any direction or instruction by BSA's technical personnel constitutes a change other than an authorized field change order as described in Paragraph (b) above, the Contractor shall not rely on such direction or instruction without obtaining written confirmation from BSA's PPM Division.
- (d) If any properly authorized change causes a difference in the cost or the time required for performance, BSA shall make an equitable adjustment in the price and/or delivery schedule and other affected provisions. Such adjustment shall be made by written amendment to this Agreement signed by both parties. The Contractor must assert any claim for adjustment within 30 days from the date it receives BSA's change notice; however, BSA may, in its sole discretion, receive and act on any claim for adjustment at any time before final payment. Failure to agree to any adjustment shall be settled in accordance with the *Disputes* article of these General Terms and Conditions. Nothing in this clause, including any disagreement with BSA about the equitable adjustment, shall excuse the Contractor from proceeding with work hereunder, as changed.
- (e) When costs are a factor in any determination of a price adjustment pursuant to this clause or any provision of this Agreement, such cost shall be in accordance with the cost principles and procedures in FAR Subpart 31 and DEAR Subpart 931.

Article 52 NOTIFICATION OF CLAIMS AND DOCUMENTATION

- (a) A Claim is a written demand by one party for an interpretation of terms, adjustment to the agreement price or adjustment to the time in which to perform the Agreement. A Claim may arise from, without limitation, issues concerning the acceptability of work, progress of work, differing site conditions, ambiguities or defects in the Contract Documents and whether work the Contractor is performing is included in this Agreement. The Contractor shall give BSA's Contractual Representative written notice no later than 5 days prior to beginning any work that it believes constitutes a change to the work required by or time in which to perform this Agreement; and expressly waives the right to make any Claim pertaining thereto if it fails to give this required notice. Unless a provision of this

- Agreement expressly provides for more or less time, the Contractor shall give BSA notice of all other Claims within 14 days of the time the condition giving rise to the Claim first becomes known to the Contractor. A Claim is known to the Contractor provided it is known to the project superintendent or any foreman reporting to the superintendent. The Contractor shall include the requirements of this clause in all subcontracts and purchase orders and BSA shall not be liable for any Claim of any subcontractor or supplier that has failed to comply with this notification provision.
- (b) A Claim shall provide complete documentation, including:
 - (i) the Contractor's certification, by its owner or an officer, under penalty of perjury, that
 - 1. the Claim is made in good faith,
 - 2. supporting data are accurate and complete to the best of the Contractor's and subcontractor's (if applicable) knowledge and belief, and
 - 3. the amount requested accurately reflects the Contract adjustment for which the Contractor believes the Owner is liable;
 - (ii) full disclosure of facts and detailed reasons supporting the Claim with citations to relevant provisions in the Contract Documents; and
 - (iii) complete documented cost of doing the work for which the Claim is being made
 - (c) BSA will make a final decision on all Claims prior to the date of final payment. BSA's decision will be in writing, will be consistent with the intent of the Contract Documents and will cite the basis on which it is made. BSA's decision is a condition precedent to proceeding in the manner set forth in the Disputes Article. BSA's decision shall be final and binding on the Contractor unless the Contractor, within 30 days following receipt of BSA's decision, notifies BSA's PPM in writing that it intends to proceed under the Disputes Article. Failure to provide such notice shall constitute a waiver of the Claim(s), and the Contractor shall thereafter indemnify and hold harmless BSA from any and all liability arising out of or relating to such Claim(s).

Article 53 EQUITABLE ADJUSTMENT

- (a) An equitable adjustment shall be determined as follows:
 - (i) Unit Prices. To the extent additions to or deletions from the agreement work are subject to unit prices agreed upon in this Agreement, those unit prices shall be applied in determining the equitable adjustment and the Contractor shall not be entitled to any other costs or profit.
 - (ii) Allowable costs shall be limited to costs of direct labor, including foreman engaged in the work but not the Superintendent or other field personnel; costs of materials, supplies and equipment, exclusive of portable or hand tools; costs of premiums for bonds and insurance; the increased or decreased costs of field overhead, including superintendence, but only if the change affects the Contractor's critical path of construction activities; the costs of any tiered subcontractor's work computed in accordance with this Article, provided that the markup charged by the Contractor and its subcontractors for home office overhead and profit shall be subject to

negotiation but in no event shall it exceed 15 percent of the direct costs of the work performed and 5 percent for work performed by subcontractors at lower tiers. When both additions and deletions are related and pertain to the same work item, the mark-up for overhead and profit shall be computed on the net increase or decrease.

Article 54 MATERIAL AND WORKMANSHIP

- (a) All equipment, material, and articles incorporated into the work covered by this Agreement shall be new and of the most suitable grade for the purpose intended, unless otherwise specifically provided in this Agreement. References in the specifications to equipment, material, articles, or patented processes by trade name, make, or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition. The Contractor may use any equipment, material, article, or process that, in BSA's judgment, is equal to that named in the specifications, unless otherwise specifically provided in this Agreement. Unless otherwise agreed, modifications due to use of "or equal" supplies are at the Contractor's expense. If required by BSA, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment furnished under this Agreement.
- (b) The Contractor shall obtain BSA's approval of the machinery and mechanical and other equipment to be incorporated into the work. When required by this Agreement or by BSA, the Contractor shall also obtain BSA's approval of the material or articles which the Contractor contemplates incorporating into the work. When so directed, the Contractor shall submit samples for approval at the Contractor's expense, with all shipping charges prepaid. Machinery, equipment, material, and articles that do not have the required approval shall be installed or used at the risk of subsequent rejection.
- (c) The Contractor shall be responsible to BSA and each of its officers, employees, agents and consultants for the acts and omissions of the Contractor's employees, subcontractors and their agents and employees, and other persons performing portions of the work under a contract with the Contractor.
- (d) All work under this Agreement shall be performed in a skillful and workmanlike manner. BSA may require, in writing, that the Contractor remove, from the work any employee BSA deems incompetent, careless, or otherwise objectionable.

Article 55 SUBCONTRACTORS

- (a) BSA reserves the right to approve or disapprove Subcontractors without change in the contract price. All proposed Subcontractors shall be submitted for approval. No later than two (2) weeks after signing this Agreement, the Contractor shall submit directly to BSA's technical representative for approval, a list, consistent with the project schedule, of proposed Subcontractors. Each Subcontractor's OSHA DART Rate and OSHA Recordable Incident Rate for each of the most recent three years for which data is available shall be less than the current published BLS incidence rates for construction in their trade. Subcontractors shall also have an Insurance Experience Modification Rating (EMR) equal to or less than one (1). Submit OSHA 300 Logs and Insurer's EMR rating for verification by BSA. Subcontractors with higher rates than those specified, may solely at BSA's discretion, be permitted

- to submit for review a detailed explanation of those rates failing to meet the established standard. Subcontractor submission of an explanation or additional information in no way guarantees an acceptance by BSA.
- (b) Agreements between the Contractor and subcontractors and suppliers shall:
- (i) include all terms and conditions, to include any insurance requirements, that the Contractor is required to flow down to its subcontractors and suppliers by the terms of these Contract Documents; and
 - (ii) at BSA's option, provide for the assignment of subcontracts to BSA in the event of termination of this Agreement.

Article 56 INSPECTION OF CONSTRUCTION

- (a) The Contractor shall maintain an adequate inspection system and perform such inspections as will ensure that the work performed hereunder conforms to the agreement requirements. The Contractor shall maintain complete inspection and test records and make them available to BSA. All work shall be conducted under the general direction of BSA and is subject to BSA inspection and test at all places and at all reasonable times before acceptance to ensure strict compliance with this Agreement's terms.
- (b) BSA inspections and tests are for its sole benefit and do not relieve the Contractor of responsibility for providing adequate quality control measures, relieve the Contractor of responsibility for damage to or loss of the material before acceptance, constitute or imply acceptance, or affect BSA's continuing rights after acceptance of the completed work.
- (c) The presence or absence of a BSA inspector does not relieve the Contractor from any agreement requirement, nor is the inspector authorized to change any term or condition of the specification without the written authorization of BSA's PPM Division, except as permitted under the *Changes Article*, paragraph (b).
- (d) The Contractor shall promptly furnish, at no increase in contract price, all facilities, labor, and material reasonably needed for performing such safe and convenient inspections and tests as may be required by BSA. BSA may charge to the Contractor any additional cost of inspection or test when work is not ready at the time specified by the Contractor for inspection or test, or when prior rejection makes re-inspection or retest necessary. BSA shall perform all inspections and tests in a manner that will not unnecessarily delay the work. Special, full size, and performance tests shall be performed as described in this Agreement.
- (e) The Contractor shall, without charge, replace or correct work BSA finds does not conform with this Agreement's requirements, unless in its own or the Government's best interest BSA consents to accept the work with an appropriate adjustment in agreement price. The Contractor shall promptly segregate and remove rejected material from the premises.
- (f) If the Contractor does not promptly replace or correct rejected work, BSA may replace or correct the work and charge the cost to the Contractor or terminate this Agreement for default.
- (g) If, before acceptance of the entire work, BSA decides to examine already completed work by removing it or tearing it out, the Contractor, on request, shall promptly furnish all necessary facilities, labor, and material. If the work is found to be defective or nonconforming in any material respect due to the fault of the

Contractor or its subcontractors, the Contractor shall defray the expenses of the examination and of satisfactory reconstruction. However, if the work is found to meet agreement requirements, BSA shall make an equitable adjustment for the additional services involved in the examination and reconstruction, including, if completion of the work was thereby delayed, an extension of time.

- (h) Unless otherwise specified in this Agreement, BSA shall accept or reject, as promptly as practicable after completion and inspection, all work required by this Agreement or that portion of the work BSA determines can be accepted separately.

Article 57 WARRANTY OF CONSTRUCTION

- (a) In addition to any other warranties in this Agreement, the Contractor warrants, except as provided in paragraph (h) of this article, that work performed under this Agreement conforms to the agreement requirements and is free of any defect in equipment, material, or design furnished, or workmanship performed by the Contractor or any subcontractor or supplier at any tier.
- (b) This warranty shall continue for a period of 1 year from the date of final acceptance of the work. If BSA takes beneficial occupancy of any part of the work before acceptance, this warranty shall continue for a period of 1 year from the date BSA takes possession through beneficial occupancy.
- (c) The Contractor shall remedy any failure to conform, or any defect at its own expense. In addition, the Contractor shall remedy any damage to Government-owned or BSA-controlled real or personal property at the Contractor's expense, when that damage is the result of the Contractor's failure to conform to agreement requirements, or any defect of equipment, material, workmanship, or design furnished by the Contractor.
- (d) The Contractor shall restore any work damaged in fulfilling the terms and conditions of this clause. The Contractor's warranty with respect to work repaired or replaced will run for 1 year from the date of repair or replacement.
- (e) BSA shall notify the Contractor, in writing, within a reasonable time after the discovery of any failure, defect, or damage.
- (f) If the Contractor fails to remedy any failure, defect, or damage within a reasonable time after receipt of notice, BSA shall have the right to replace, repair, or otherwise remedy the failure, defect, or damage at the Contractor's expense.
- (g) With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for work performed and materials furnished under this Agreement, the Contractor shall--
 - (i) obtain all warranties that would be given in normal commercial practice;
 - (ii) require all warranties to be executed, in writing, for the benefit of BSA, as directed; and
 - (iii) enforce all warranties for BSA's benefit, as directed.
- (h) In the event the Contractor's warranty under paragraph (b) of this clause has expired, the Contractor agrees to subrogate any of its rights and to aid BSA in enforcing lower-tier subcontractor's, manufacturer's, or supplier's warranties.
- (i) BSA's rights and remedies under this article are in addition to any other rights and remedies provided by law or under this Agreement.

Article 58 EXISTING CONDITIONS

- (a) The Contractor represents that its representatives have visited the site and become familiar with existing and local conditions, which may affect the work and has included all costs associated therewith in its Bid.
- (b) If information on subsurface soil conditions was obtained for design purposes, the Contractor may rely on the boring logs as a representation of soils that existed at the location of the boring at the time the borings were made but may not rely on the interpretations or opinions contained in the report nor on the completeness of adequacy of the information for the Contractor's construction purposes.
- (c) The Contractor shall be responsible for:
 - (i) verifying the existence and location of all utilities and underground facilities, including the use of potholing, hand excavations and hand demolitions;
 - (ii) coordinating work with BSA's Modernization Project Office;
 - (iii) protection of concealed and underground utilities and underground facilities from damage;
 - (iv) the repair or replacement of utilities or underground facilities damaged by the Contractor's failure to exercise reasonable care; and
 - (v) damage to others due to loss of utility service resulting from the Contractor's operations.

Article 59 DIFFERING SITE CONDITIONS

- (a) The Contractor shall promptly, and before the conditions are disturbed, give a written notice to BSA of:
 - (i) subsurface or latent physical conditions at the site which differ materially from those indicated in this Agreement, or
 - (ii) unknown physical conditions at the site, of an unusual nature, which differ materially from those ordinarily encountered and generally recognized as inhering in work of the character provided for in this agreement.
- (b) BSA shall investigate the site conditions promptly after receiving the notice. If the conditions do materially so differ and cause an increase or decrease in the Contractor's cost of, or the time required for, performing any part of the work under this Agreement, whether or not changed as a result of the conditions, an equitable adjustment shall be made under this clause and this Agreement modified in writing accordingly.
- (c) No Claim by the Contractor for an equitable adjustment under this Article shall be allowed unless the Contractor has given the written notice required by this Article and otherwise complied with the Notification of Claims and Documentation Article.

Article 60 SUSPENSION OF WORK

- (a) At any time, BSA's PPM Division may, by written notice to the Contractor, require the Contractor to suspend, delay or interrupt all or any portion of the work hereunder for such period as BSA determines appropriate. On receipt of such notice, the Contractor shall immediately comply with its provisions and take all reasonable steps to minimize the incurrence of costs associated with such suspension as directed by BSA's PPM Division.

- (b) If BSA suspends, delays or interrupts performance of all or any part of the work hereunder for an unreasonable period of time, an adjustment shall be made for any increase in the cost of performance of this Agreement (excluding profit) necessarily caused by such unreasonable suspension, delay or interruption, and this Agreement will be modified in writing accordingly. However, no adjustment shall be made under this clause for any suspension, delay or interruption to the extent –
 - (i) that performance would have been so suspended, delayed or interrupted by any other cause, including the fault or negligence of the Contractor, or
 - (ii) for which an equitable adjustment is provided for or excluded under any other provision of this Agreement.
- (c) As full compensation for such unreasonable delay, the Contractor shall be reimbursed reasonable and allowable actual costs, without duplication, to the extent the cost resulted solely and directly from the unreasonable period of the suspension. Claim for such reimbursement shall be submitted within 14 calendar days after the suspension is terminated. A claim under this article shall not be allowed unless the claim, in an amount stated, is submitted timely.

Article 61 TIME FOR PERFORMANCE AND DELAYS

- (a) This project is to be considered as one where "**time is of the essence**". The contract completion date shall be adhered to. An unexcused failure to be "substantially complete" by the completion date could lead to disqualification from future projects.
- (b) Definition of Terms
 - (i) *Contract Time* is the period of time including authorized adjustments allowed for completion of the work and is measured from the date of contract award to the date of final completion.
 - (ii) *Day* is a calendar day beginning and ending at midnight.
 - (iii) *Unusual Weather* is defined as when either the number of Wet Days or the number of Freezing Days exceeds the most recently published mean number of Wet or Freezing Days for the period of record, for the same month and for the weather observing station closest to the project site as reported in "Comparative Climatic Data" published by the National Oceanic and Atmospheric Administration. "Wet Days" are defined as days that have at least 0.01 inch of rainfall unless modified elsewhere in this Agreement. "Freezing Days" are defined as days with a minimum temperature of 32 degrees F or lower.
 - (iv) *Excusable Delay* means unforeseeable delay beyond the Contractor or BSA's control and not resulting from Contractor's fault or negligence. Excusable Delay includes labor disputes, fire, Unusual Weather, unavoidable casualties and unusual delays in transportation.
- (c) Computation of Time. Any period of time referred to in the Contract Documents measured in days shall mean consecutive calendar days and shall exclude the first and include the last day. If the last day falls on a Saturday, Sunday or legal holiday, it shall be omitted from the calculation.

- (d) Contract Time. The Contractor confirms that the Contract Time is a reasonable period for performing the Work and includes enough float time to allow for normal unfavorable weather and other reasonably anticipated delays.
- (e) Damages for Late Completion. BSA reserves the right to assess the Contractor for actual damages suffered by BSA as a result of completion after the Contract Time. These damages may include, but are not limited to, BSA's cost for inspection and project management for the period beyond the contract completion date.
- (f) Commencing Work. The Contractor shall not commence work
 - (i) prior to the date in the Notice to Proceed,
 - (ii) prior to giving BSA's technical representative 5 days written notice.
- (g) Accelerated Work If Required to Meet Schedule. The Contractor shall proceed expeditiously with adequate forces and shall achieve Final Completion within the Contract Time. If the Contractor's performance falls behind schedule, the Contractor shall accelerate the work as required to get back on schedule at no additional cost to BSA. Accelerated work shall include air or express delivery of materials and equipment, increasing the number of workers, working overtime, working Saturdays, Sundays, and holidays and working additional shifts. The Contractor shall pay BSA for any extra costs of inspection made necessary by accelerated work required under this provision.
- (h) Excusable Delays. The Contractor shall be entitled to an extension of Contract Time due to an Excusable Delay if it can show that the Excusable Delay is the sole and unavoidable cause increasing the time actually needed to complete the Work. The Contractor shall not be entitled to an increase in Agreement Price due to an Excusable Delay.
- (i) Compensable Delays. The Contractor shall be entitled to an extension of Contract Time and an adjustment in Agreement Price in accordance with the Determining of Costs of Changes Article due to unreasonable delays that are not due to the fault or neglect of the Contractor and which could not have been reasonably anticipated, including delays:
 - (i) caused by BSA or by BSA's separate contractors or workers,
 - (ii) resulting from BSA's failure to provide access to lands or rights-of-way on which the Work is to be performed, or
 - (iii) due to suspension of the work ordered by BSA. In making such a Claim, the contractor must demonstrate that the delay was the sole and unavoidable cause for increasing the length of time required to complete the Work. For purposes of settlement of Claims under this paragraph, no mark-up for profit will be allowed.

Article 62 TERMINATION FOR DEFAULT

- (a) BSA may terminate this Agreement for default, in whole or in part, if the Contractor:
 - (i) fails to supply enough properly skilled workers or materials so as to endanger timely performance;
 - (ii) abandons or unreasonably delays performance;
 - (iii) fails to comply with laws, safety or environmental regulations, ordinances or BSA instruction;

- (iv) fails to comply with any substantive requirement of this Agreement;
 - (v) fails to make payment to subcontractors or material suppliers;
 - (vi) becomes insolvent, commences any form of voluntary bankruptcy proceeding, has any petition or action filed against it under any bankruptcy code or law, makes a general assignment for the benefit of creditors, or if a trustee, receiver or agent is appointed under law to take charge of Contractor's property or operations for the benefit of creditors;
 - (vii) fails to retain a valid Contractor's license of the required class, or
 - (viii) otherwise commits a material breach of this Agreement. In this event, BSA shall not be liable for any services or supplies not accepted.
- (b) When any of the above reasons exist, and without prejudice to any other rights BSA may have, and after giving the Contractor and the Contractor's surety seven (7) days written notice, BSA may terminate the employment of the Contractor and, subject to any prior rights of the surety, BSA may:
- (i) take possession and use any materials, tools, equipment and the construction facilities and premises owned by the Contractor;
 - (ii) accept assignment of subcontracts pursuant to the Subcontractors Article and finish the work by whatever method BSA deems expedient.
- (c) If BSA terminates this Agreement for cause, the Contractor shall not be entitled to further payment until the work has been completed.
- (d) If the cost of completing the work, including additional engineering services, attorney's fees and administrative expenses made necessary thereby, exceeds the unpaid agreement price, the Contractor shall pay the difference to BSA. This obligation for payment shall be binding after termination of this Agreement. If the cost of completing the work, including costs for engineering, legal, and administrative expenses is less than the unpaid agreement price, the difference shall be paid to the Contractor to the extent that such payment was due the Contractor for completed work at the time of termination.
- (e) BSA's rights and remedies under this Article are in addition to any other rights and remedies provided by law or under this Agreement.

Article 63 TERMINATION FOR CONVENIENCE

- (a) BSA reserves the right to terminate this Agreement, or any part hereof, for its convenience or that of the Government by delivering a written Notice of Termination specifying the extent of the termination and its effective date. The Contractor shall immediately stop all work so terminated and shall immediately cause any and all of its affected suppliers and subcontractors to cease work and take any action that may be necessary, or that BSA directs, to protect the property related to this Agreement.
- (b) After termination, the Contractor shall submit a final termination settlement proposal to BSA in the form and with the certification prescribed by BSA. The Contractor shall submit the proposal promptly, but no later than 1 year from the effective date of termination, unless extended in writing by BSA on the Contractor's written request within this 1-year period. If the Contractor fails to submit the proposal within the time allowed, BSA may determine, on the basis of information available, the amount, if any, due the contractor as a result of the termination and shall pay the amount determined.

- (c) Subject to the terms of this Agreement, the Contractor shall be paid a percentage of the price reflecting the percentage of the work performed prior to the notice of termination, plus reasonable charges that the Contractor can demonstrate to BSA's satisfaction, have resulted from the termination. The Contractor shall not be paid for any work performed or costs incurred that reasonably could have been avoided. The Contractor and BSA may agree on the amount to be paid because of the termination; however, the agreed amount may not exceed the agreement price.
- (d) BSA shall exclude from the amounts payable to the contractor the fair value, as determined by BSA, of property that is destroyed, lost, stolen, or damaged so as to become undeliverable.
- (e) The cost principles and procedures of Part 31 of the Federal Acquisition Regulation (FAR) as modified by Part 931 of the Department of Energy Acquisition Regulation (DEAR), in effect on the date of this Agreement, shall govern all costs claimed.
- (f) Unless otherwise agreed or required by statute, the Contractor shall maintain all records and documents relating to the terminated portion of this Agreement for 3 years after final settlement. This includes all books and other evidence bearing on the Contractor's costs and expenses under this Agreement. The Contractor shall make these records and documents available to BSA and the Government, at the Contractor's office, at all reasonable times, without any direct charge. If approved by BSA, authentic reproductions may be maintained instead of original records and documents.

Article 64 PATENT INDEMNITY – SUBCONTRACTS

The Contractor shall indemnify BSA and the Government and their officers, agents, and employees against liability, including costs, for infringement of U.S. Letters Patent (except Letters patent issued upon an application which is now or may hereafter be kept secret or otherwise withheld from issue by order of the Government) for any work the Contractor performs under this Agreement.

Article 65 INDEPENDENT CONTRACTOR; HOLD HARMLESS

- (a) In conducting the work the Contractor is acting in the capacity of an independent contractor and is not an agent or employee of BSA and/or the Government. However, BSA shall have general direction of the work and the right to control its final result obtained, within the limits of the specifications. Nothing contained in this Agreement or any lower-tier subcontract shall create any contractual relationship between any such lower-tier subcontractor and BSA. The Contractor is solely responsible for its actions and those of its subcontractors, agents and/or employees.
- (b) The Contractor will defend, hold harmless and indemnify the Government and BSA and their respective officers, agents and employees from and against any and all liability, including all losses and damages and any expense connected therewith arising out of or connected with the work, excepting only liability arising from affirmative acts, done with intent to cause loss, damage or injury, by the Government or BSA or the officers, agents or employees of either.
- (c) The Contractor's obligations under this clause shall not be limited by any legal limitation on the amount or type of damages, compensation or benefits payable

under workers' compensation acts, disability benefit acts or other employee benefit acts.

- (d) The Contractor's liability insurance shall provide coverage for the Contractor's obligations under this clause in accordance with the Article on Insurance.

Article 66 COMPLIANCE WITH 10 CFR 851 AND BSA'S WORKER SAFETY AND HEALTH PROGRAM

In performing work under this Contract, the Contractor and all of its lower-tier subcontractors at all levels shall comply with all applicable federal, state and local environment, safety and health laws and regulations. The Contractor and all of its lower-tier subcontractors at all levels must comply with 10 CFR 851 Worker Safety and Health Program, to include Appendix A, Worker Safety and Health Functional Areas; BSA's Worker Safety and Health Program; BSA's Standards Based Management System (SBMS) (https://brookhavenlab.sharepoint.com/:f/s/External_SBMS/Ehulza-BMgFErjgJlZxqVQkBb4aiTjBLlCgn3-hGZE6rew?e=IFBgEf) (contact the BSA Contractual Representative for access to or copies of SBMS documents); and DEAR 970.5223-1, Integration of ES&H into Work Planning and Execution (Dec. 2000). Effective date and revision number of the pertinent SBMS areas in effect on the day of Contract award shall be applicable to this Contract. Compliance with 10 CFR 851 and DEAR 970.5223-1 is to be guided by following paragraphs (b) through (e) set forth below. BSA will not tolerate non-adherence to safety requirements under this Contract. Failure to comply will result in BSA's stopping work in accordance with (h) set forth below. Non-compliance could also mean the barring of the violating individuals from the BNL Site. Repeated safety violations may also result in termination as listed under the article titled Termination for Default of these Terms and Conditions.

- (a) The Contractor shall perform work safely, in a manner ensuring adequate protection for employees, the public, and the environment and will be held accountable for the safe performance of work. The Contractor will exercise a degree of care commensurate with the work and the associated hazards. The Contractor will ensure that management of environment, safety and health (ES&H) functions and activities becomes an integral and visible part of the Contractor's work planning and execution process. The Contractor will, in the performance of work, ensure that:
 - (i) Personnel including lower tier subcontractors possess the experience, knowledge, skills, and abilities that are necessary to discharge their responsibilities, and will retain records respecting such competency and qualifications, making them available upon request.
 - (ii) Resources are effectively allocated to address ES&H, programmatic, and operational considerations. Protecting employees, the public and the environment is a priority whenever work is planned and performed.
 - (iii) Prior to work performance, the associated hazards will be evaluated, and a set of ES&H standards and requirements will be established and implemented to provide assurance that employees, the public, and the environment are protected.
 - (iv) Administrative and engineering controls to prevent and mitigate hazards are tailored to the work being performed and associated hazards.

Emphasis will be on designing the work and/or controls to reduce or eliminate the hazards and to prevent accidents and unplanned releases and exposures.

- (v) Line management is responsible for the protection of employees, the public, and the environment. Line management includes those Contractor and Subcontractor employees managing or supervising employees performing work.
 - (vi) Clear and unambiguous lines of authority and responsibility for ensuring ES&H compliance will be established and maintained at all organizational levels.
- (b) The Contractor, relative to the Statement of Work and contract specifications, agrees to accept BSA's DOE-approved Worker Safety and Health Program and the Integrated Safety Management Program as its own, and perform and manage work in accordance with such program. The Contractor shall demonstrate through documentation and work practices that performance of work under this Agreement:
- (i) fulfills the scope of work set out in the contract;
 - (ii) identifies and analyzes specific, task-level hazards associated with the work;
 - (iii) develops and implements hazard controls;
 - (iv) allows the performance of work within the controls; and
 - (v) provides worker feedback on the adequacy of controls and continued improvement in safety management.
- (c) In performing work in accordance with BSA's DOE-approved Worker Safety and Health Program and the Integrated Safety Management Program the Contractor will, prior to initiation of work:
- (i) The Contractor must submit a Health and Safety Plan (HASP), which satisfies all the requirements of this Article, to BSA's Contractual Representative and obtain acceptance of the Plan before work may proceed. An outline/template for the HASP can be obtained from the BSA Contract Administrator. The Contractor will be notified of the HASP acceptance by BSA. Acceptance of the Contractor's HASP will be at the sole discretion of BSA.
 - (ii) Provide a statement signed by senior management regarding a "Commitment for Safety."
 - (iii) Demonstrate well-established safety protocols applicable to the scope of work and consistent with the requirements of this clause. Prior to commencement of work on any separately definable construction activity (e.g., roofing, excavation, foundation), the Contractor must
 1. Submit to BSA for acceptance a Job Hazard Analysis (JHA) of the affected work. The analysis must:
 - A. provide BSA with a defined plan of action for identified hazards and comprehensive prevention methods for exposures to workers, the BNL populous/public, and property.

- B. identify the specific tasks to be completed, including access, egress, set-up and breakdown, under all expected or created environmental conditions.
 - C. include the method of work for completing these tasks, associated work hazards, and the corresponding equipment and methods that will be used to prevent loss to persons or property for all contracted work, including that of Subcontractors. Identify qualified personnel for the tasks in accordance with the HASP and any equipment being used for the work
 - D. address further hazards revealed by supplemental site information (e.g., site characterization data, as-built drawings); and
 - E. address hazards identified in the Statement of Work and this Agreement.
- 2. Ensure workers are aware of foreseeable hazards and the protective measures described within the activity analysis prior to beginning work on the activity.
 - 3. Require that workers acknowledge being informed of the hazards and protective measures associated with the work activity. Those workers failing to utilize appropriate protective measures must be subject to the Contractor's disciplinary process.
 - 4. Provide a "Stop Work" policy similar to that established by BSA.
 - 5. Conduct and document workplace inspections, to include follow-up and corrective actions. Identify competent persons required for workplace inspections of the construction activity, where required by OSHA standards.
 - 6. Provide drawings and/or other documentation of protective measures for which applicable Occupational Safety and Health Administration (OSHA) standards require preparation by a Professional Engineer or other qualified professional.
 - 7. Provide proof that employees were informed of their Workers' Rights and Responsibilities set out in 10 CFR 851.20(b).
- (iv) During periods of active construction, the Contractor must have a designated safety representative on the worksite that is knowledgeable of the project's hazards and has authority to act on behalf of the Contractor. The designated safety representative must make daily inspections of the worksite when work is occurring to identify and correct any instances of noncompliance with the project safety and health requirements. BSA will stop work if the Contractor's designated safety representative is not on the worksite in accordance with (h) below.
 - (v) Workers must be instructed to report to the Contractor's designated safety representative, hazards not previously identified or evaluated. If immediate corrective action is not possible or the hazard falls outside the project's scope, the Contractor must immediately notify affected workers, post appropriate warning signs, implement needed interim control

- measures, and notify BSA of the action taken. The Contractor or designated representative must stop work in the affected area until appropriate protective measures are established.
- (d) Exposure Monitoring/Occupational Medicine. The Contractor will perform the following additional hazard identification tasks compliant with the BSA Worker Safety and Health Program and the Integrated Safety Management Program and the BSA accepted JHA, prior to commencing work:
- (i) Contractor is responsible for identifying all potential exposures (chemical, biological, radiological, physical) to which its employees or the employees of its lower-tier subcontractors will be exposed while performing work under this Agreement. Contractor is responsible to provide qualified monitoring and assessment personnel and is responsible for providing the required exposure monitoring and providing employees appropriate personal protective equipment to minimize exposures. All medical clearances, training certificates for the PPE used, and BNL respirator use forms shall be provided to the BNL Technical Representative.
 - (ii) BNL requires compliance with OSHA and ACGIH Industrial Hygiene (IH) requirements. The more stringent shall apply depending on the exposure concern. All past exposure assessments made by the Contractor/subcontractor pertaining to the work being performed, or new exposure assessments pertaining to the work being performed, shall be provided to the BNL Technical Representative, along with the associated activity log for the sampled activity. BNL shall review these documents.
 - (iii) Following any exposure above OSHA action levels and/or OSHA or ACGIH occupational exposure limits, (e.g., PEL, TLV), the Contractor must provide the worker with a medical evaluation/surveillance. All exposures shall also be disclosed to the BNL Technical Representative for reporting and investigation.
 - (iv) Contractor shall have an occupational medicine program that is compliant with the applicable requirements of 10 CFR 851, Appendix A. Contractor shall ensure that its employees and the employees of any lower tier subcontractor employees are medically qualified to perform work associated with any potential exposures and hazards that have been identified. Medical qualification and medical surveillance programs are the sole responsibility of the Contractor. In addition, the Contractor is responsible for maintaining any records associated with the administration of these programs. In the event that the Contractor or lower tier subcontractor employee requires a medical qualification examination or medical surveillance program, it is the Contractor's sole responsibility to obtain these services. Contractor must provide documented evidence that they have an occupational medical provider with a licensed medical physician.
- (e) The Contractor shall notify the BSA Contractual Representative immediately of all injuries/illnesses, any "off-normal occurrences," or Government property damaged, that the Contractor determines to have occurred in the course of operations on-site and shall furnish such further information as the BSA

- Contractual Representative may require. An “off-normal occurrence” is any unplanned or unexpected event, including near misses, or the discovery of a deficiency in a procedure, plan, or system that has real or potentially undesirable consequences to personnel, equipment, facilities, the environment, and/or programs. In addition, the Contractor is responsible for ensuring compliance with 10 CFR 851.26 Recordkeeping and Reporting.
- (f) The Contractor’s on-site ES&H activities will be subject to review by the Technical Representative of this Agreement. Other representatives of BSA may conduct periodic inspections of the Contractor’s on-site offices, equipment, work and storage areas for compliance with the applicable ES&H requirements. The BSA Contractual Representative will notify the Contractor by a written Notice of Non-compliance of any observed non-compliance with applicable ES&H requirements. The Contractor shall immediately take appropriate corrective action. The Contractor shall advise the BSA Contractual Representative, in writing, within five (5) working days of the corrective action taken on any safety non-compliance noted on the written Notice of Non-compliance. If the Contractor fails or refuses to correct the safety non-compliance, BSA may perform, or cause to be performed, the necessary corrective work and unilaterally charge the Contractor for the cost thereof. Such charges will be deducted from payments otherwise due the Contractor under this Agreement. Repeated or willful non-compliances with applicable ES&H requirements by the Contractor shall constitute a default under other provisions of this Agreement and BSA may terminate the agreement in accordance with those provisions.
 - (g) The Contractor shall promptly evaluate and resolve any non-compliance with applicable ES&H requirements. If the Contractor fails to provide resolution or if, at any time, the Contractor’s acts or failure to act causes substantial harm or an imminent danger to the environment, or health and safety of employees or the public, the BSA Contractual Representative may issue an order stopping work in whole or in part and the Contractor shall be liable for the delay and any costs thereby incurred. Any stop-work order issued by BSA under this clause (or issued by the Contractor to a subcontractor in accordance with this clause) shall be without prejudice to any other legal or contractual rights of BSA. In the event that the BSA Contractual Representative issues a stop-work order, an order authorizing the resumption of the work may be issued at the discretion of the BSA Contractual Representative. The Contractor shall not be entitled to an extension of time, or additional cost or fee, or damages by reason of, or in connection with, any work stoppage ordered in accordance with this clause.
 - (h) BSA reserves the right to charge back to the Contractor actual costs incurred by BSA directly or indirectly to perform safety inspections, complete paperwork, investigate and prepare occurrence reports as a result of the Contractor’s failure to comply with said regulation or requirement. A non-negotiable unilateral deduct change order will be issued to the Contractor, and punitive penalties may be assessed to individuals by dismissing them from the Brookhaven site based on the extent of the noncompliance. BSA will evaluate the Contractor on its safety performance, including that of its subcontractors. The number and severity of safety and security violations, including traffic violations, will be considered in

this evaluation. Repeated and/or willful violations are cause for termination for default and may affect the Contractor's opportunity to bid on future work at BNL.

(i) Civil Penalties and Indemnification

(i) The 2002 Bob Stump National Defense Authorization Act amended the Atomic Energy Act by adding section 234C "Worker Health and Safety Rules for Department of Energy Nuclear Facilities." It required DOE to promulgate a worker safety and health rule (the Rule). DOE published the Rule in the Federal Register on February 9, 2006. The Rule is codified at 10 CFR 851. It establishes worker safety and health requirements that govern the conduct of contractor activities at both nuclear and non-nuclear sites. Contractors that fail to comply with the Rule are subject to civil penalties issued by DOE up to \$70,000.00 per violation, with each day of violation constituting a separate violation, or contractual penalties.

(ii) The Contractor assumes full responsibility and shall indemnify, hold harmless, and defend BSA, its directors, officers, and employees from any civil liability under §234C of the Atomic Energy Act of 1954, as amended, or DOE's implementing regulations, arising out of the activities or performance of the Contractor, its subcontractors, suppliers, agents, employees, and their officers, or directors. The Contractor's obligation to indemnify and hold harmless shall expressly include attorney fees and other reasonable costs of defending any action or proceeding instituted under §234C or DOE's implementing regulations.

(j) The Contractor is responsible for its subcontractors' compliance with the ES&H requirements of this Agreement. The Contractor shall include a clause substantially the same as this clause in lower-tier subcontracts involving complex or hazardous construction work at a DOE site or BSA-owned or -operated facilities or premises. Such subcontracts shall provide for the right to stop work under the conditions described herein.

(k) With or before each delivery, the Contractor shall submit a Safety Data Sheet to the BSA Technical Representative, as prescribed in 29 CFR 1910.1200 and the latest version of Federal Standard No. 313, for all hazardous material delivered under this Agreement which will involve exposure to hazardous materials or items containing these materials, whether or not it is listed in Appendix A of the Standard. As used in this Article, "hazardous material" is as defined in the latest version of Federal Standard No. 313, including revisions adopted during the term of this Agreement.

(l) All contractor personnel that may be working on or near energized electrical equipment (as defined in BSA's Electrical Safety subject area. The link can be found on the PPM Terms and Conditions Listing (<https://www.bnl.gov/ppm/terms-and-conditions.php>) under SBMS External Site – All Documents.: Contact the Contract Administrator for access to or copies of SBMS documents) must comply with all requirements and training specified in BSA's Electrical Safety and Lockout/Tagout for Installation, Demolition, or Service and Maintenance Subject Areas and provide evidence of meeting the requirements. Any documents required to be developed by these Subject Areas must be submitted to and accepted by BSA's Work Control Coordinator/Manager

or designee prior to the start of the work activities. The contractor and all lower tier subcontractors shall read and acknowledge in writing that they will comply with the approved forms and permits when tasks may expose the workers to hazards.

Article 67 OCEAN CARGO TRANSPORTATION

(a) In accordance with FAR 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels, the Contractor shall use privately owned U.S.-flag commercial vessels to ship at least 50 percent of the gross tonnage of all ocean cargo transported under this Agreement, computed separately for dry bulk carriers, dry cargo liners, and tankers, to the extent such vessels are available at fair and reasonable rates and can meet required delivery schedules.

(b) Regardless of the vessel used, The Contractor shall submit, within 15 working days following the date of loading for shipments originating within the United States or within 25 working days following the date of loading for shipments originating outside the United States, a legible copy of the rated on-board ocean bill of lading for each shipment to warehouseoperations@bnl.gov.

(c) Use of privately owned foreign-flag commercial vessels in excess of the 50 percent gross tonnage limitation established by FAR 52.247-64 requires prior written authorization from BSA. Such authorization will only be considered if one or more of the following conditions exist:

(i) Privately owned U.S.-flag commercial vessels are not available for timely shipment;

(ii) Privately owned U.S.-flag commercial vessels are available only at rates that are not fair and reasonable; or

(iii) Privately owned U.S.-flag commercial vessels with suitable routing or capacity are not available for the shipment.

(d) Requests for authorization to use foreign-flag commercial vessels must be submitted at least sixty (60) days prior to booking the applicable shipment on a foreign-flag commercial vessel. The Contractor shall submit a written request to BSA with the following supporting documentation:

(i) Evidence of efforts to obtain U.S.-flag service, including correspondence from at least three potentially suitable U.S.-flag carriers, where available, regarding vessel availability;

(ii) Rate quotations and service comparisons between available U.S.-flag and foreign-flag carriers;

(iii) Transit schedules and routing information;

(iv) Required delivery dates and any schedule constraints affecting the shipment; and

(v) Any additional information reasonably requested by BSA to evaluate the request.

(e) Upon receipt of a complete request, BSA will review the information provided and determine, in its reasonable discretion, whether use of a foreign-flag commercial vessel is authorized, subject to any required consultation with or determination by the Maritime Administration (MARAD) or the U.S. Government. The Contractor shall not book or ship the cargo that is the subject of the request on a foreign-flag commercial vessel until written authorization has been provided by BSA.

(f) Neither BSA nor the U.S. Government shall be responsible for any costs resulting from denial or delayed approval of a request by BSA, MARAD, or the U.S. Government.

Article 68 FAR 52.222-90 ADDRESSING DEI DISCRIMINATION BY FEDERAL CONTRACTORS

The clause at FAR 52.222-90, Addressing DEI Discrimination by Federal Contractors (APR 2026), is hereby incorporated into this Agreement by reference with the same force and effect as if set forth in full herein. The Contractor shall comply with the requirements of FAR 52.222-90 and shall insert the substance of this clause, including this requirement, in all lower-tier subcontracts and purchase orders to the extent required by the clause. Whenever necessary to make the context of the clause applicable to this Agreement, the term “Contractor” shall mean the Contractor and the terms “Government” and “Contracting Officer” shall mean BSA.

Contractor certifies that Contractor and all subcontractors at every tier comply with and shall throughout the term of this Contract continue to comply with the requirements of FAR 52.222-90 to the extent applicable. Contractor shall promptly report to BSA in writing any actual or suspected noncompliance with FAR 52.222-90, including reasonable details of such noncompliance.

Article 69 INDEMNITY FOR VIOLATION OF FAR 52.222-90

The Contractor recognizes that compliance with the requirements of this clause is material to the Government's payment decisions for purposes of 31 U.S.C. 3729(b)(4). The Contractor hereby indemnifies and agrees to hold harmless BSA and its respective officers, agents, and employees from and against any and all liability, loss, damage, claim, demand, judgment, cost, charge, assessment, penalty, fine, disallowance, reduction in reimbursement, withholding, expense, or other consequence of any nature whatsoever, including reasonable attorneys' fees, internal investigation costs, and costs incurred responding to Government inquiries or investigations, arising out of or resulting directly or indirectly from any violation of FAR 52.222-90 by the Contractor or any of its subcontractors, suppliers, or lower-tier subcontractors. The obligations set forth in this Article shall survive completion, termination, expiration, or closeout of the Agreement.

*In the event of any conflict between Article 68 and Article 69 and any other terms and conditions of the Agreement, Article 68 and Article 69 shall control to the extent of such conflict.

Article 70 CLAUSES INCORPORATED BY REFERENCE

This Agreement incorporates the following Federal Acquisition Regulation (FAR) and Department of Energy Acquisition Regulation (DEAR) clauses by reference, as they exist on the effective date of this Agreement, with the same force and effect as if they were in full text. The FAR and DEAR clauses are available at [Acquisition.GOV | www.acquisition.gov](https://www.acquisition.gov) or they may be obtained from [Electronic Code of Federal Regulations \(eCFR\)](https://www.e-cfr.gov/). When an alternate or deviation is referenced, please use this link <https://www.bnl.gov/about/contract/> to access the BSA Prime Contract for the full text of the clause. Whenever necessary to make the context of the clauses applicable to this Agreement, the term “Contractor” shall mean the Contractor, the term “Contract” shall mean this Agreement, and where noted or where necessary to derive proper meaning in a subcontract situation the terms “DOE”, “Government” and “Contracting Officer” shall

mean BSA, except the terms “DOE”, “Government” and “Contracting Officer” do not change:

- (a) in the phrases “Government Property”, “Government-Furnished Property”, “Government Equipment” and “Government-Owned Equipment”, or, where otherwise intended that title, ownership or rights are to remain with the Government; or
- (b) where statute or regulation vests authority exclusively in specific agencies or officials; or
- (c) where otherwise specifically modified in this Agreement.

Article	Title of Clause	FAR Ref.
Article 71	Certification and Disclosure Regarding Payments to Influence Certain Federal Transactions (Sep 2024)	52.203-11
Article 72	Limitation on Payments to Influence Certain Federal Transactions (Jun 2020) (agreements greater than \$200,000)	52.203-12
Article 73	Contractor Employee Whistleblower Rights (Nov 2023)	52.203-17
Article 74	Prohibition on Requiring Certain Internal Confidentiality Agreements or Statements (Jan 2017)	52.203-19
Article 75	Personal Identity Verification of Contractor Personnel (Jan 2011) (only applicable if Contractor employees are required to have routine physical access to a Federally-controlled facility and/or routine access to a Federally-controlled information system).	52.204-9
Article 76	Incorporation by Reference of Representations and Certifications (Dec 2014)	52.204-19
Article 77	Basic Safeguarding of Covered Contractor Information Systems (Nov 2021)	52.204-21
Article 78	Prohibition on Contracting for Hardware, Software, and Services Developed or Provided by Kaspersky Lab and Other Covered Entities (Dec 2023)	52.204-23
Article 79	Prohibition on Contracting for Certain Telecommunications and Video Surveillance Services or Equipment (Nov 2021)	52.204-25
Article 80	RESERVED	
Article 81	Protecting the Government’s Interest When Subcontracting with Contractors Debarred, Suspended, Proposed for Debarment, or Voluntarily Excluded (Jan 2025) (agreements greater than \$45,000)	52.209-6

Article 82	Pension Adjustments and Asset Reversions (Oct 2010) (Not applicable to contracts under \$2,500,000 or otherwise exempt from certified cost or pricing data)	52.215-15
Article 83	Utilization of Small Business Concerns (Jan 2025) (Not applicable for any work performed outside of the United States)	52.219-8
Article 84	Contract Work Hours and Safety Standards Act – Overtime Compensation (May 2018) (Not applicable for any work performed outside of the United States)	52.222-4
Article 85	Child Labor – Cooperation with Authorities and Remedies (Jan 2025) (agreements greater than \$15,000)	52.222-19
Article 86	Contracts for Materials, Supplies, Articles, and Equipment (Jun 2020) Exceeding \$15,000 (Not applicable for any work performed outside of the United States)	52.222-20
Article 87	Reserved	
Article 88	Equal Opportunity for Veterans (Jun 2020) (agreements of \$200,000 or more) (Not applicable for any work performed outside of the United States)	52.222-35
Article 89	Equal Opportunity for Workers with Disabilities (Jun 2020) (agreements greater than \$20,000) (Not applicable for any work performed outside of the United States)	52.222-36
Article 90	Employment Reports on Veterans (Jun 2020) (agreements of \$200,000 or more) (Not applicable for any work performed outside of the United States)	52.222-37
Article 91	Service Contract Labor Standards (Aug 2018) (agreements greater than \$2,500 and as designated in the agreement) (Not applicable for any work performed outside of the United States)	52.222-41
Article 92	Combating Trafficking in Persons (Oct 2025)	52.222-50
Article 93	Employment Eligibility Verification (Jan 2025) (agreements greater than \$150,000) (Not applicable for any work performed outside of the United States or agreements with a period of performance less than 120 days)	52.222-54
Article 94	Minimum Wages Under (Jan 2022) (E.O. 14026) (Not applicable for any work performed outside of the United States)	52.222-55

Article 95	Paid Sick Leave Under Executive Order 13706 (Jan 2017)	52.222-62
Article 96	Addressing DEI Discrimination by Federal Contractors (Apr 2026) (Deviation)	52.222-90
Article 97	Reporting of Biobased Products Under Service and Construction Contracts (May 2024)	52.223-2
Article 98	Hazardous Material Identification and Material Safety Data (Feb 2021) (Alternate I) (Jul 1995)	52.223-3
Article 99	Sustainable Products and Services (May 2024)	52.223-23
Article 100	Privacy Training (Jan 2017)	52.224-3
Article 101	Buy American – Supplies (Oct 2022) (Not applicable for any work performed outside of the United States)	52.225-1
Article 102	Duty-Free Entry (Oct 2025)	52.225-8
Article 103	Restrictions on Certain Foreign Purchases (Feb 2021)	52.225-13
Article 104	Authorization and Consent (Jun 2020) (applicable to Agreements expected to exceed the SAT)	52.227-1
Article 105	Patent Indemnity (Apr 1984)	52.227-3
Article 106	Rights in Data-General (May 2014) with DEAR 952.227-14 Alternate VII and Alternate VIII (Dec 2024) Alternate II is applicable if limited rights in data is required. Alternate III is applicable if delivery is for restricted computer software	52.227-14
Article 107	Additional Data Requirements (Jun 1987)	52.227-16
Article 108	Rights to Proposal Data (Technical) (Jun 1987)	52.227-23
Article 109	Unenforceability of Unauthorized Obligations (Jun 2013)	52.232-39
Article 110	Providing Accelerated Payments to Small Business Subcontractors (Mar 2023) (Only applicable if any work or subcontracts will be performed by small businesses).	52.232-40
Article 111	Prohibition on Unmanned Aircraft Systems Manufactured or Assembled by American Security Drone Act-Covered Foreign Entities (Nov 2024)	52.240-1
Article 112	Subcontracts for Commercial Products and Commercial Services (Oct 2025)	52.244-6
Article 113	Preference for U.S. Flag Air Carriers (Jan 2025)	52.247-63

Article 114	Preference for Privately-Owned U.S. Flag Commercial Vessels (Nov 2021)	52.247-64
Article 115	Excusable Delays (Apr 1984)	52.249-14
Article	Title of Clause	DEAR. Ref
Article 116	Whistleblower Protection for Contractor Employees (Dec 2000)	952.203-70
Article 117	Security Requirements (Dec 2024) (Only applicable to agreements involving or are likely to involve classified information or special nuclear material)	952.204-2
Article 118	Classification/Declassification (Dec 2024) (Only applicable to agreements involving or are likely to involve classified information)	952.204-70
Article 119	Facility Clearance (Aug 2016) (Only applicable to contracts and subcontracts that require employees to possess access authorizations)	952.204-73
Article 120	Counterintelligence (Dec 2024)	952.204-74
Article 121	Computer Security (Aug 2006) (Only applicable to agreements that may provide access to computers owned, leased, or operated on behalf of the DOE)	952.204-77
Article 122	Workforce restructuring and displaced employee hiring preference (Dec 2024) (Applicable to all contracts except for commercial items that exceed \$500,000)	952.226-74
Article 123	Reserved	
Article 124	Patent Rights-Retention by the Contractor (Short Form) (Dec 2024) (Only applicable to agreements to small business for experimental, research & development, demonstration, or design work)	952.227-11
Article 125	Patent Rights-Acquisition by the Government (Dec 2024) (Only applicable to agreements to other than small business for experimental, research & development, demonstration, or design work)	952.227-13
Article 126	Foreign travel (Jun 2010) (Only applicable when foreign travel may be required)	952.247-70
Article 127	State and local taxes (Dec 2000)	970.5229-1
Article 128	Laws, Regulations, and DOE Directives (Dec 2000) (Deviation) (SC Deviation) (May 2018)	970.5204-2
Article 129	Access to and Ownership of Records (Dec 2024)	970.5204-3
Article 130	Workplace Substance Abuse Programs at DOE Sites (Dec 2010)	970.5226-5

Article 131	Reserved	
Article 132	Compliance with Export Control Laws and Regulations (Nov 2015)	970.5225-1
Article 133	Rights in Data-Facilities (Dec 2024) (Only applicable to agreements for design or operation of plants or facilities or specially designed equipment for plants or facilities)	970.5227-1
Article 134	Rights in Data-Technology Transfer (Dec 2024) with Alt II (Dec 2024)	970.5227-2
Article 135	Technology Transfer Mission (Dec 2024) (Only applicable to agreements for extension of an existing laboratory or weapon production facility management and operating contract.)	970.5227-3
Article 136	Authorization and Consent (Dec 2024) (applicable to Agreements that exceed the SAT)	970.5227-4
Article 137	Refund of Royalties (Aug 2002)	970.5227-8
Article 138	Accounts, Records, and Inspection (Dec 2024) (paragraphs (a) through (h) are applicable when costs incurred are a factor in determining the amount payable to contractor)	970.5232-3
Article 139	Property (Dec 2024) (Add Alternate I (Dec 2024) if award is to a nonprofit contractor) (Only applicable to Cost Reimbursable agreements)	970.5245-1

The following clauses are applicable to agreements over the Simplified Acquisition Threshold:

Article	Title of Clause	FAR Ref.
Article 140	Gratuities (Apr 1984)	52.203-3
Article 141	Covenant Against Contingent Fees (May 2014)	52.203-5
Article 142	Restrictions on Subcontractor Sales to the Government (Jun 2020)	52.203-6
Article 143	Anti-Kickback Procedures (Jun 2020) (except subparagraph c (1))	52.203-7
Article 144	Limitation on Payments to Influence Certain Federal Transactions (Jun 2020)	52. 203-12
Article 145	Service Contract Reporting Requirements (Oct 2016) (Fixed Price agreements or for Cost Reimbursable, Time and Material, or Labor-Hour for agreements greater than \$500,000)	52.204-14
Article 146	Integrity of Unit Prices (Nov 2021) (except paragraph (b))	52.215-14

Article 147	Limitations on Pass-Through Charges (Jun 2020) (Only applicable to Cost Reimbursable agreements)	52.215-23
Article 148	Notification of Employee Rights Under the National Labor Relations Act (Dec 2010) (Not applicable for any work performed outside of the United States)	52.222-40
Article 149	Interest (May 2014)	52.232-17
Article	Title of Clause	DEAR. Ref
Article 150	Organizational Conflicts of Interest and Alternate I (Aug 2009)	952.209-72
Article 151	Sustainable Acquisition Program (Dec 2024) (Only applicable to first-tier subcontracts exceeding the SAT that support operation of the DOE facility and offer significant subcontracting opportunities for energy-efficient or environmentally sustainable products or services).	952.223-78
Article 152	Notice and Assistance Regarding Patent and Copyright Infringement (Dec 2024) (<u>Applicable to all subcontracts at any tier expected to exceed the SAT</u>)	970.5227-5

The following clauses are applicable to agreements over certain thresholds as specified:

Article	Title of Clause	DEAR. Ref
Article 153	Workforce Restructuring under Section 3161 of the National Defense Authorization Act for Fiscal Year 1993 (Dec 2000) (Only applicable to agreements greater than \$500,000) (Not applicable for any work performed outside of the United States)	970.5226-2

Article	Title of Clause	FAR Ref.
Article 154	Contractor Code of Business Ethics and Conduct (Nov 2021) (Only applicable to agreements greater than \$7,500,000)	52.203-13
Article 155	Display of Hotline Poster(s) (Nov 2021) (Only applicable to agreements greater than \$7,500,000)	52.203-14
Article 156	Price Reduction for Defective Certified Cost or Pricing Data (Aug 2011) (Only applicable to agreements greater than \$2,500,000)	52.215-10
Article 157	Price Reduction for Defective Certified Cost or Pricing Data – Modifications (Jun 2020) (Only applicable to agreements greater than \$2,500,000)	52.215-11

Article	Title of Clause	FAR Ref.
Article 158	Subcontractor Certified Cost or Pricing Data (Jun 2020) (Only applicable to agreements greater than \$2,500,000)	52.215-12
Article 159	Subcontractor Cost or Pricing Data – Modifications (Jun 2020) (Only applicable to agreements greater than \$2,500,000)	52.215-13
Article 160	Small Business Subcontracting Plan (Jan 2025) (Alternate IV) (Jan 2025) (agreements to large business greater than \$2,000,000) (Not applicable for any work performed outside of the United States)	52.219-9
Article 161	Liquidated Damages – Subcontracting Plan (Sep 2021) (agreements to large business greater than \$900,000) (Not applicable for any work performed outside of the United States)	52.219-16
Article 162	Reserved	
Article 163	Cost Accounting Standards (Jun 2020) (except Paragraph (b); negotiated agreements to large business) (Not applicable to Firm Fixed Price Contracts)	52.230-2
Article 164	Disclosure and Consistency of Cost Accounting Practices (Jun 2020) (agreements greater than \$2,500,000) (Only applicable to negotiated agreements to large business)	52.230-3
Article 165	Disclosure and Consistency of Cost Accounting Practices – Foreign Concerns (Jun 2020) (Only applicable to agreements greater than \$2,500,000)	52.230-4
Article 166	Administration of Cost Accounting Standards (Jun 2010) (Only applicable to agreements greater than \$2,500,000) (negotiated agreements to large business)	52.230-6