

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 7
2. AMENDMENT/MODIFICATION NO. 1067	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (If applicable)
6. ISSUED BY Savannah River Operations Office U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	CODE 893037	7. ADMINISTERED BY (If other than Item 6) Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	CODE 00901
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) SAVANNAH RIVER NUCLEAR SOLUTIONS LLC Attn: James W. Johnson, Jr. 203 LAURENS ST SW AIKEN SC 29801		(x)	9A. AMENDMENT OF SOLICITATION NO.
CODE 798861048 FACILITY CODE		x	9B. DATED (SEE ITEM 11)
			10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC09-08SR22470
			10B. DATED (SEE ITEM 13) 01/10/2008

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

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

12. ACCOUNTING AND APPROPRIATION DATA (If required)

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

<input type="checkbox"/>	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
<input type="checkbox"/>	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
<input checked="" type="checkbox"/>	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: FAR 43.103 (a) 3
<input type="checkbox"/>	D. OTHER (Specify type of modification and authority)

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

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

UEI: XLQ7CKUSQSD5

A. See attached pages.

B. All other terms and conditions of the contract remain unchanged.

Payment:

OR for Savannah River
U.S. Department of Energy
Oak Ridge Financial Service Center
P.O. Box 6017
Oak Ridge TN 37831

Except as provided herein, all terms and conditions of the document referenced in item 9 A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) James W. Johnson, Jr., Deputy Vice President Contracts & Supply Chain Management	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Marie Garvin
15B. CONTRACTOR/OFFEROR James W. Johnson <small>Digitally signed by James W. Johnson Date: 2023.09.11 14:51:20 -0400</small> (Signature of person authorized to sign)	15C. DATE SIGNED 9/11/23
16B. UNITED STATES OF AMERICA	16C. DATE SIGNED 9/23/23
	<small>Digitally signed by Marie Garvin Date: 2023.09.12 09:22:07 -0400</small> (Signature of Contracting Officer)

1. PURPOSE: By the Parties' agreement, this Modification incorporates changes necessary to add a Subcontract Line-Item Number structure to CLIN 0007 for the National Nuclear Security Administration (NNSA) Capital Construction Projects. The Sub-CLIN project is as follows: Sub CLIN 0007AA Savannah River Plutonium Processing Facility (SRPPF).

CLIN 0007 scope and associated cost and fee as of the date of this Modification are hereby negotiated and incorporated under this bilateral Contract Modification. Current scope under CLIN 0001, as of the date of this Modification, is hereby realigned to the applicable Subcontract line items under CLIN 0007.

2. CHANGES TO THE BASIC CONTRACT: As a result of the Parties' agreement, the Contract is modified as follows:

2a. Paragraph B-1 SERVICES BEING ACQUIRED is modified to insert the following at the end of B-1.2, Contract Line-Item Number (CLIN) 0007, Capital Construction Projects for the DOE-SR and National Nuclear Security Administration (NNSA):

Contract Clause I.61 clause entitled "DEAR 970.5211-1, Work Authorization" (WA) shall be the manner in which NNSA Capital Construction Project work is authorized for each Sub-CLIN identified below. The work authorization will include specific work requirements in accordance with applicable DOE Orders and the Design Code of Record as defined in DOE Order 413.3B. The Design Code of Record for the individual Sub-CLINs will be contained in a future modification.

B-1.2(a) Sub-CLIN 0007AA Project Title: Savannah River Plutonium Processing Facility (SRPPF)

Description of Work: The Contractor shall, in accordance with the terms and conditions of this Contract, provide all personnel, equipment, materials, supplies, and services (except as may be furnished by the Government) and otherwise do all things necessary for, or incidental to, the efficient, effective, and safe management and/or performance of SRPPF. This shall include program management, design authority, nuclear safety, security analysis and authorities, project commissioning, planning and preparation for and transition to nuclear operations/management and overall integration of scope per DOE O 425.

The SRPPF Project requires the repurposing of Building 226-F to house a production line with capabilities to produce at least 50 pits per year (ppy). SRNS' project scope includes management and execution of all engineering, procurement, and construction activities to meet the Program Requirements specified by the Plutonium Program (NA-191) consistent with the Program Requirements Document, Code of Record and DOE Order 413.3b1D and Section C-3.5(a).

Sub-CLIN Type: Cost Plus Award Fee (CPAF)

Period of Performance: October 1, 2023-September 30, 2026

Delivery Schedule to include major milestones and/or completion dates estimate to complete, and estimate of cost at completion

***These dates and estimate of cost at completion are based on the DBP and will need to be updated in the future**

2b. Paragraph B-10, CAPITAL CONSTRUCTION PROJECTS FEE PLAN, is modified as follows:

FROM:

B-10 CAPITAL CONSTRUCTION PROJECTS FEE PLAN

A Capital Construction Project Fee Plan will be developed, when applicable, with Contractor input, for each Sub-CLIN awarded under CLIN 0007. Although the detail and content incorporated into each Fee Plan may vary based on the cost and fee structure agreed upon for a given Sub-CLIN, each Sub-CLIN Fee Plan shall document the process by which the Contractor's performance will be evaluated; the amount of available fee and (when applicable) the allocation of fee to mutually agreeable project cost and/or schedule milestones; the conditions precedent to the submission of fee payment requests by the Contractor; the Government's fee determination process; and any provisions or conditions that would result in an adjustment to otherwise earned fee. The parties will work collaboratively to establish mutually acceptable Fee Plans and, in the event the Parties cannot come to agreement on the Fee Plan for any Sub-CLIN, DOE-SR, or NNSA reserves the unilateral right to make the final decision, including changes thereto, on all performance objectives, goals, and measures and the methodology used to evaluate Contractor performance. Sub-CLIN fee plans are not subject to the fee determination process or other terms and conditions of section H-28, Performance Based Incentives, Performance Evaluation Management Plan (PEMP) process.

TO:

B-10 CAPITAL CONSTRUCTION PROJECTS FEE PLAN

A Capital Construction Projects NNSA Line-Item Project Fee Plan will be developed, when applicable, with Contractor input, for NNSA Sub-CLINs awarded under CLIN 0007. Sub-CLIN Fee Plan shall document the process by which the Contractor's performance will be evaluated; the amount of available fee and (when applicable) the allocation of fee to mutually agreeable performance based incentives; the conditions precedent to the submission of fee payment requests by the Contractor; the Government's fee determination process; and any provisions or conditions that would result in an adjustment to otherwise earned fee. The Parties will work collaboratively to establish mutually acceptable Fee Plans and, in the event the Parties cannot come to an agreement on the Fee Plan for any Sub-CLIN, NNSA reserves the unilateral right to make the final decision, including changes thereto, on all performance objectives, goals, and measures and the methodology used to evaluate Contractor performance.

2c. Paragraph B-11, Mission Critical Positions for CLIN 0007, is added as follows:

B-11 Mission Critical Positions for CLIN 0007:

NNSA has identified the following positions as Mission Critical, in advance of any changes in personnel filling the listed Mission Critical Positions, SRNS shall request concurrence from the contracting officer identified in Section G-1(b) for potential candidate selections:

NNSA Capital Projects (NCP) Director of Projects -
Construction Management (CM) Director of Projects -

Sub-CLIN 0007AA - SRPPF:
Project Director -

2d. Sub-paragraph C-3.5 Other Capital Construction Project Support to DOE-SR, or NNSA is modified as follows:

FROM:

C-3.5 Other Capital Construction Project Support to DOE-SR, or NNSA

The contractor shall, upon request of DOE, provide additional services and/or support to DOE-SR, or NNSA including execution of Capital Construction Projects under DOE O 413.3B and the execution of other construction projects or other activities in service to DOE-SR, or NNSA. Such projects or activities will be performed under Sub-CLINs in CLIN 0007 as described in Section B-1.2 and Section H-71.

TO:

C-3.5 Other Capital Construction Project Support to DOE-SR, or NNSA

The Contractor shall, upon request of DOE, provide additional services and/or support to DOE-SR, or NNSA including execution of Capital Construction Projects under DOE O 413.3B and the execution of other construction projects or other activities in service to DOE-SR, or NNSA. Such projects or activities will be performed under Sub-CLINs in CLIN 0007 as described in Section B-1.2 and Section H-71.

(a) CLIN 0007 Capital Construction Projects

(1) CLIN 0007 Sub-CLIN 0007AA - Savannah River Plutonium Processing Facility (SRPPF)

In February 2018, the Department of Defense issued the *Nuclear Posture Review* which recognized that there was no margin for further delay for recapitalizing the physical infrastructure needed to produce strategic materials and components for U.S. nuclear weapons. This resulted in the requirement to “Provide the enduring capability and capacity to produce plutonium pits at a rate of no fewer than 80 pits per year by 2030” to maintain the nation’s nuclear deterrent.

To achieve this requirement, NNSA released its recommendation to pursue a two-site solution for production of 80 pits per year - Los Alamos National Laboratory (LANL) would produce at least

30 War Reserve (WR) pits per year (PPY) during 2026 and SRS would produce at least 50 WR PPY during 2030. Based on repurposing SRS Building 226-F for the 50 PPY production rate, SRNS submitted and received NNSA approval of a conceptual design package (CD-1) for the SRPPF Project.

SRS's Building 226-F is being repurposed as the Savannah River Plutonium Processing Facility (SRPPF). The SRPPF is being designed and constructed with a 50-year operating life. The facility will provide a safe, secure, environmentally compliant pit manufacturing capability based on existing manufacturing practices and techniques. The SRPPF will be an integral part of a broader weapons complex, and it is assumed that existing complex production facilities now manufacturing non-plutonium pit components will continue to be suppliers in the future and will support SRPPF plutonium pit production. The primary source of SRPPF feedstock material will be in the form of pits shipped to the SRPPF for recycling. These returned pits will be disassembled to recover plutonium and uranium. Recovered plutonium will be purified to remove impurities accumulated through aging and recycled in the production of new pits. Purified plutonium will be cast, machined, and assembled into acceptable pits for the enduring U.S. Nuclear Weapons Stockpile. This will be accomplished using a production line with capabilities from the foundry capable of producing 50 pits per year (ppy).

The SRPPF will include analytical chemistry and material characterization labs to determine the chemical constituents, isotopic fractions, bulk properties, and other chemical attributes, as appropriate, of samples generated throughout the pit fabrication flowsheet, including the material supply, recycle, and waste management operations. The SRPPF will include process development space to develop and introduce new fabrication processes into the fabrication lines without adversely affecting ongoing manufacturing operations.

The High-Fidelity Training and Operations Center (HFTOC) will provide a cold unclassified and cold classified (up to Secret /Restricted Data) training and process development capability at Savannah River Site to support operator certification and qualification, cold Development, Operational Readiness Review preparation, First Production Unit acceleration, parallel path development for project and program, production ramp-up, and continuous employee training. The HFTOC requires equipment and processes that are fully enclosed in gloveboxes with inert atmospheres and connected via a material handling trunkline as well as free standing processes that are part of the complete production flow sheet.

Major elements of the SRPPF Project scope of work include, but are not limited to the following:

- Manage and oversee all engineering, procurement, construction, and commissioning activities to deliver the SRPPF and HFTOC
- Perform site preparation, utility, and infrastructure work needed to prepare the site for SRPPF construction activities.
- Remove (D&R) existing commodities and equipment from the main process building and prepare for the new SRPPF equipment and layout
- Develop specifications and datasheets for all SRPPF engineered equipment.
- Provide procurement and vendor support for engineered all SRPPF equipment.
- Design, construct, and start-up test all processing and BOP systems, structures, and components associated with Building 226-F
- Design and construct a new Maintenance/Construction Support Building

- Design and construct a new Physical Security System (PSS) to protect the SRPPF plutonium mission

Code of Record

- Savannah River Plutonium Processing Facility (SRPPF) Project Program Requirements Document, Rev. 3 (January 2022).
- SRPPF Project Code of Record, P-ESR-F-00008, Rev. 3.
- SRPPF Project Equipment List, V-MEL-F-00001, Rev. 5.
- *Baseline (dated) at time of contract modification execution.*

2e. Section G – Contract Administration Data, G-1(b), Contractual Correspondence Matters, third paragraph is hereby updated to read as follows:

The NNSA Savannah River Acquisition and Project Management Office (SRAPMO) is primarily responsible for all contractual and administrative matters related to CLIN 0007 with DOE-SR having equal cognizance for this CLIN. The cognizant Construction Contracting Officer for the administration of each Sub-CLIN is identified below. The EM and SRAPMO Contracting Officer can be reached respectively at:

Contracting Officer U.S. Department of Energy/EM Savannah River Operations Office P.O. Box A Aiken, SC 29802	Construction Contracting Officer U.S. Department of Energy/NNSA Savannah River Acquisition and Project Management Office P.O. Box A Aiken, SC 29802
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2f. Section I-CONTRACT CLAUSES, is modified to insert the following at the end of I.1, FAR 52.252-2 CLAUSES INCORPORATED BY REFERENCE (FEB 1998):

The following Federal Acquisition Regulation (FAR) clauses are incorporated into the Contract by reference for NNSA Sub-CLIN 0007 AA work scope only. These clauses shall flow down and/or apply to all contractors (including SRNS) directly performing construction activities. This clause does not apply retroactively to Government-authorized Contractor construction work scope(s) prior to the effective date of the modification incorporating these clauses.:

FAR NUMBER	CLAUSE TITLE <i>(Any insertions appear below the title in italics)</i>	DATE OF CLAUSE
52.222-6	Construction Wage Rate Requirements	Aug 2018
52.222-7	Withholding of Funds	May 2014
52.222-8	Payrolls and Basic Records	Jul 2021

52.222-9	Apprentices and Trainees	Jul 2005
52.222-10	Compliance With Copeland Act Requirements	Feb 1988
52.222-11	Subcontracts (Labor Standards)	May 2014
52.222-12	Contract Termination – Debarment	May 2014
52.222-13	Compliance With Construction Wage Rate Requirements and Related Regulations	May 2014
52.222-14	Disputes Concerning Labor Standards	Feb 1988
52.222-15	Certification of Eligibility	May 2014
52.222-16	Approval of Wage Rates	May 2014
52.222-27	Affirmative Action Compliance Requirements for Construction	Apr 2015
52.222-30	Construction Wage Rate Requirements-Price Adjustment (None or Separately Specified Method)	Aug 2018
52.232-22	Limitation of Funds	Apr 1984
52.236-5	Material and Workmanship	Apr 1984

2g. PART III – LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS, SECTION J – LIST OF ATTACHMENTS, is modified to add the following to APPENDIX E – LIST B/APPLICABLE DOE DIRECTIVES AND ORDERS (AMENDMENT 003):

The following DOE Order is applicable for CLIN 0007AA design purposes only:

DOE O 473.2A	Protective Force Operations	Aug 2021
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3. All other terms and conditions remain unchanged.

End of Modification 1067