

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 1
2. AMENDMENT/MODIFICATION NO. 160	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 12EM000367	5. PROJECT NO. (if applicable)
6. ISSUED BY Savannah River Operations U.S. Department of Energy Savannah River Operations P.O. Box A Aiken SC 29802	CODE 00901	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 (fn., street, county, State and ZIP Code) SAVANNAH RIVER REMEDIATION LLC Attn: Katy Burnau Savannah River Site Building 766-H Aiken SC 29808		9A. AMENDMENT OF SOLICITATION NO.	9B. DATED (SEE ITEM 11)
CODE 808376193 FACILITY CODE		9B. DATED (SEE ITEM 11) 12/08/2008	10A. MODIFICATION OF CONTRACT/ORDER NO. DE-AC09-09SR22505
		10B. DATED (SEE ITEM 13)	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

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

12. ACCOUNTING AND APPROPRIATION DATA (if required)

See Schedule

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

CHECK ONE	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation data, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)
X	DEAR 970.5204-2 Laws, Regulations, and DOE Directives (DEC 2000)

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.)

A. The purpose of this modification is to incorporate a revised Section J Appendix D - List B.

A.1. Delete Part III List of Documents, Exhibits, and Other Attachments, Section J - List of Attachments, Appendix D - List B, Applicable DOE Directives, Orders, Laws, and Regulations (dated July 31, 2011) and replace with Attachment One - List B (dated October 31, 2011).

B. All other terms and conditions remain unchanged

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

15A. NAME AND TITLE OF SIGNER (Type or print) L. Dave Olson President and Project Manager		15A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Angela S. Morton	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 11/29/2011	15B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	15C. DATE SIGNED DEC 01 2011

PART III – LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS

SECTION J - LIST OF ATTACHMENTS

APPENDIX D - LIST B, APPLICABLE DOE DIRECTIVES, ORDERS, LAWS, AND REGULATIONS

Pursuant to the clause in Section I.138 entitled, DEAR 970.5204-2 “LAWS, REGULATIONS, AND DOE DIRECTIVES (DEC 2000),” the Contractor shall adhere to the ES&I requirements compliance process delineated in the Site Standards/ Requirements Identification Document (S/RID). For requirements other than Environment, Safety and Health (ES&H), the contractor shall adhere to the existing DOE directive requirements that are the basis for established procedures and programs until authorized approvals are obtained to deviate from established requirements. The S/RID, and superseding versions thereof, are hereby incorporated by reference.

The Contracting Officer, or designated representative, may, from time to time via issuance of a Contract Administration Notice (CAN) or other means, revise the ES&I requirements and non-ES&I requirements (i.e., List B as referred to in this clause).

The following is the DOE approved List B set of requirements as of October 31, 2011.

ENVIRONMENTAL, SAFETY AND HEALTH REGULATIONS (ES&H)

ES&H Requirements

Directive	Title
ADN-89-05-FF	Federal Facility Agreement For The Savannah River Site
ANS 8.1	Nuclear Criticality Safety In Operations With Fissionable Materials Outside Reactors
ANS 8.10	Criteria for Nuclear Criticality Safety Controls in Operations with Shielding and Confinement
ANS 8.12	Nuclear Criticality Control and Safety of Plutonium-Uranium Fuel Mixtures Outside Reactors
ANS 8.14	Use of Soluble Neutron Absorbers in Nuclear Facilities Outside Reactors
ANS 8.15	Nuclear Criticality Control of Special Actinide Elements
ANS 8.17	Criticality Safety Criteria for the Handling, Storage, and Transportation of LWR Fuel Outside Reactors
ANS 8.19	Administrative Practices for Nuclear Criticality Safety
ANS 8.20	Nuclear Criticality Safety Training
ANS 8.21	Use of Fixed Neutron Absorbers in Nuclear Facilities Outside Reactors
ANS 8.22	Nuclear Criticality Safety Based on Limiting and Controlling Moderators
ANS 8.23	Nuclear Criticality Accident Emergency Planning and Response
ANS 8.24	Validation of Neutron Transport Methods for Nuclear Criticality Safety Calculations
ANS 8.26	Criticality Safety Engineer Training and Qualification Program
ANS 8.3	Criticality Accident Alarm System
ANS 8.6	Safety in Conducting Subcritical Neutron-Multiplication Measurements In Situ

Directive	Title
ANS 8.7	Nuclear Criticality Safety In The Storage Of Fissile Materials
ANSI Z 358.1	Eye Wash and Shower Equipment, Emergency
ANSI N323A - 1997	American National Standard: Radiation Protection Instrumentation Test and Calibration, Portable Survey Instruments
ANSI N42.18 - 1980	American National Standard: Specification and Performance of On-Site Instrumentation for Continuously Monitoring Radioactivity in Effluents
ANSI N43.3 - 1993	American National Standard For General Radiation Safety - Installations Using Non-Medical X-Ray and Sealed Gamma-Ray Sources, Energies Up To 10 MeV
ANSI/ANS-3.2	Administrative Controls And Quality Assurance For The Operational Phase Of Nuclear Power Plants
ANSI/HPS N43.2 - 2001	American National Standard: Radiation Safety for X-Ray Diffraction and Fluorescence Analysis Equipment
ASME NQA-1-2000	QUALITY ASSURANCE REQUIREMENTS FOR NUCLEAR FACILITY APPLICATIONS
Comm Vehicle Safety Alliance	North American Uniform Vehicle Out-of-Service Criteria
DOE LETTER AA-03-007	Cancellation of Directive Implementation Instructions
DOE LETTER OSQA-08-0021	DOE-SRS Letter of Direction, Enclosure, Fire Protection Requirements And Clarifications Established by DOE-SRS
DOE/RW-0333P, Rev 20	Quality Assurance Requirements and Description for the Civilian Radioactive Waste Management Program
DOE/RW-0351, Rev 5	Waste Acceptance System Requirements Document
DOE O 5400.5 Chg 2	Radiation Protection Of The Public And The Environment
DOE O 5480.4 Chg 4	Environmental Protection, Safety, and Health Protection Standards
DOE O 153.1	Departmental Radiological Emergency Response Assets
DOE-EM-STD-5502-94	Hazard Baseline Documentation
DOE M 231.1-1A	Environment, Safety and Health Reporting Manual
DOE M 231.1-2	Occurrence Reporting and Processing of Operations Information
DOE M 435.1-1 Chg 1	Radioactive Waste Management Manual
DOE O 151.1C	Comprehensive Emergency Management System
DOE O 210.2A	DOE Corporate Operating Experience Program
DOE O 225.1B	Accident Investigations
DOE O 226.1B	Implementation Of Department Of Energy Oversight Policy
DOE O 243.1	Records Management Program
DOE O 243.2	Vital Records
DOE O 251.1C	Directives System
DOE O 414.1C	Quality Assurance
DOE O 420.1B Change 1	Facility Safety
DOE O 422.1	Conduct of Operations
DOE O 425.1D	Startup And Restart Of Nuclear Facilities
DOE O 426.2	Training and Qualifications
DOE O 433.1B	Maintenance Management Program For DOE Nuclear Facilities
DOE O 435.1 Chg 1	Radioactive Waste Management
DOE O 443.1A	Protection of Human Subjects
DOE O 450.1A	Environmental protection Program
DOE O 451.1B, CHG 2	National Environmental Policy Act Compliance Program

Directive	Title
DOE O 460 1B	Packaging and Transportation Safety
DOE O 460.2A	Departmental Materials Transportation and Packaging Management
DOE O 461 1A	Packaging and Transfer or Transportation of Materials of National Security Interest
DOE O 475.2A	Identifying Classified Information
DOE P 450.4A	Safety Management System Policy
DOE-STD-1088-95	Fire Protection for Relocatable Structures
DOE-STD-1098-99	Radiological Control
DOE-STD-1186-2004	Specific Administrative Controls
EM-WAPS	Waste Acceptance Product Specifications (WAPS) for Verified High-Level Waste Forms
IBC	International Building Code
DOE-STD-1066, Chapters 13 & 14 (See Note 1)	Fire Protection Design Criteria

Notes to ES&H Requirements:

- 1 In instances where compliance with the design criteria contained in DOE-STD-1066 Chapters 13 and 14 is not feasible or cost effective, the contract may request approval of alternate means of implementation that provide an equivalent level of safety. (Letter, J. E. Hawkins to K B Burnau, Response to Contracting Officer Determination Regarding DOE-STD-1066, Fire Protection Design Criteria (SRR-CAA-2009-00087, 10/26/2009), dated March 15, 2010, OSQA-10-0089)

Non-ES&H Requirements

Directive	Title
DOE O 1450.4	Consensual Listening-in to or Recording Telephone/Radio Conversations
DOE M 140.1-1B	Interface with the Defense Nuclear Facilities Safety Board
DOE M 200.1-1	Chapter 9, Public Key Cryptography and Key Management
DOE M 470.4-1 Chg 2	Safeguards and Security Program Planning and Management
DOE M 470.4-2A	Physical Protection
DOE M 470.4-3	Protective Safeguards and Security Force, (Change 1)
DOE M 470.4-4A	Information Security
DOE M 470.4-5	Personnel Security
DOE M 471.1-1	Identification And Protection Of Unclassified Controlled Nuclear Information Manual
DOE M 471.2-2	Classified Information Systems Security Manual
DOE M 481.1-1A Chg1	Reimbursable Work for Non-Federal Sponsors Process Manual
DOE M 483.1-1	DOE Cooperative Research And Development Agreements Manual
DOE M 573.1-1	Mail Services User's Manual
DOE N 205 1	Unclassified Cyber Security Program
DOE O 206.1	DOE Privacy Program
DOE N 206 4	Personal Identity Verification
DOE N 470 2	Reporting Unofficial Foreign Travel
DOE N 473 4	Department Of Energy Badges
DOE N 473 5	Security Area Vouching And Piggybacking
DOE N 484.1	Reimbursable Work For Department Of Homeland Security
DOE O 130 1	Budget Formulation Process

Directive	Title
DOE O 142.1	Classified Visits Involving Foreign Nationals
DOE O 142.3A	Unclassified Foreign Visits And Assignments Program
DOE O 200.1	Information Management Program
DOE O 205.1A	Department of Energy Cyber Security Management
DOE O 221.1A	Reporting Fraud, Waste, And Abuse To The Office Of Inspector General
DOE O 221.2A	Cooperation With The Office Of Inspector General
DOE O 241.1B	Scientific and Technical Information Management
DOE O 252.1A	Technical Standards Program
DOE O 350.1 Chg 3	Contractor Human Resource Management Programs
DOE O 350.2B	Use Of Management And Operating Or Other Facility Management Contractor Employees For Services To DOE In The Washington, D C . Area
DOE O 413.1B	Internal Control Program
DOE O 413.3B	Program And Project Management For The Acquisition Of Capital Assets
DOE O 430.1B, Admin Chg 2	Real Property Asset Management
DOE O 430.2B	Departmental Energy And Utilities Management
DOE O 440.2B	Aviation Management And Safety
DOE O 470.2B	Independent Oversight And Performance Assurance Program
DOE O 470.3B	Design Basis Threat Policy
DOE O 471.1B	Identification and Protection of Unclassified Controlled Nuclear Information
DOE O 471.3, Admin Chg 1	Identifying And Protecting Official Use Only Information
DOE O 474.2	Nuclear Material Control and Accountability
DOE O 475.1	Counterintelligence Program
DOE O 483.1	DOE Cooperative Research And Development Agreements
DOE O 522.1	Pricing Of Departmental Materials And Services
DOE O 534.1A	Accounting
DOE O 551.1C	Official Foreign Travel
DOE O 580.1 Chg 1	Personal Property Management Program
PCSP, Version 2.0	Program Cyber Security Plan (PCSP), Version 2.0, September 2010