

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		1. CONTRACT ID CODE	PAGE OF PAGES 1 7
2. AMENDMENT/MODIFICATION NO. 0008	3. EFFECTIVE DATE See Block 16C	4. REQUISITION/PURCHASE REQ. NO. 17EM002479	5. PROJECT NO. (If applicable)
6. ISSUED BY Office of River Protection U.S. Department of Energy Office of River Protection P.O. Box 450 Richland WA 99352	CODE 00603	7. ADMINISTERED BY (If other than Item 6)	CODE
8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Independent Strategic Management Solutions, Inc. Attn: Shirley J. Olinger 491 Adair Dr Richland WA 99352		(x) 9A. AMENDMENT OF SOLICITATION NO.	
CODE 078636196 FACILITY CODE		9B. DATED (SEE ITEM 11)	
		x 10A. MODIFICATION OF CONTRACT/ORDER NO. DE-EM0004149	
		10B. DATED (SEE ITEM 13) 04/29/2016	

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) Net Increase: \$171,218.60
See Schedule

13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/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 date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).
X	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: 52.243-3-Changes-Time and Materials or Labor Hours (Sept 2000) & 52.232-22-Limitation of Funds (Apr 1984)
	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.)
Supplemental agreement for work within scope - see continuation page(s).

Payment:
OR for ORP
U.S. Department of Energy
Oak Ridge Financial Service Center
P.O. Box 6017
Oak Ridge TN 37831
FOB: Destination
Period of Performance: 04/29/2016 to 04/27/2018

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) Shirley J. Olinger, President	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) David A. Gallegos
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	15C. DATE SIGNED 8/28/17
16B. UNITED STATES OF AMERICA  (Signature of Contracting Officer)	16C. DATE SIGNED 8-30-17

Purpose of Modification

The purpose of this modification is to: 1) add incremental funds to this contract; 2) update Section B, *Supplies or Services and Prices/Costs*; 3) update Section C, *Background and Scope of Work*; 4) update Section G, *Contract Administration and Contracting Officer Representative*; and 5) update Section J-3, *Labor Category Requirements*.

Description of Modification:

1. Under the authority of Contract Clause, 52.232-22, Limitation of funds (April 1984), \$171,218.60 is obligated to contract DE-EM0004149 under requisition number 17EM002479, increasing the total funding amount from \$2,381,932.00 to \$2,553,150.60.
2. Section B.1, TYPE OF CONTRACT-SERVICES BEING ACQUIRED, is deleted in its entirety and replaced with the following:

This is a labor-hour contract to obtain support services **in nuclear safety, quality assurance, project management, and/or related fields** to the US Department of Energy (DOE) Office of River Protection (ORP) in support of the Waste Treatment and Immobilization Plant Project (WTP), WTP Nuclear Safety Division (NSD), **Tank Farms Project (TF)** and the Office of River Protection (ORP) Safety Basis Review Team (SBRT). The Contractor shall provide related support services as specified in Section C Statement of Work, at the fixed hourly labor rate(s) specified in Clause B.2, for the applicable period(s) of performance specified in Clause F.1.

3. Section B.2, PRICES, is deleted in its entirety and replaced with the following:

The Contractor shall provide support services **in nuclear safety, quality assurance, project management, and/or related fields** for all work performed under this contract at prices specified below.

- (a) The ceiling price of this contract is \$4,000,000.00.
- (b) The total amount of funds obligated to this contract is **\$ 2,553,150.60**. Pursuant to Section I Clause FAR 52.232-22 entitled, *Limitation of Funds (APR 1984)*, the Contractor shall not incur any costs in excess of the amount obligated to this contract.
- (c) The applicable fixed labor rates (fully burdened) per direct productive labor hour for all related support consultants related **to nuclear safety, quality assurance, project management, and/or related fields** (Labor Category: *Consultant I (Level I-III)*, *Consultant II (Level I-III)* and *Consultant III (Level I-III)*) meeting the qualifications in Section J-3 are provided in the tables below.

Performance Start Date	Fixed Hourly Labor Rates - Consultant I		
	Level I	Level II	Level III
5/12/2016			
4/28/2017			

Performance Start Date	Fixed Hourly Labor Rates - Consultant II		
	Level I	Level II	Level III
4/29/2016			
4/28/2017			

Performance Start Date	Fixed Hourly Labor Rates - Consultant III		
	Level I	Level II	Level III
3/13/2017			
3/12/2018			

Performance Start Date	Fixed Hourly Labor Rates - Technical Specialist		
	Level I	Level II	Level III
8/28/2017			

(d) Reserved for Other Related Technical Services

4. Section C.1, BACKGROUND, is deleted in its entirety and replaced with the following:

The US Department of Energy (DOE) Office of River Protection (ORP), Waste Treatment and Immobilization Plant (WTP) is the cornerstone of the Office of River Protection (ORP) project. WTP is responsible for monitoring and assessing day-to-day nuclear safety and quality assurance site activities and keeping WTP's management apprised of any actual and potential nuclear safety and quality assurance issues. The ORP Technical and Regulatory Support (TRS) performs day-to-day oversight of nuclear safety and quality assurance activities, including, but not limited to - assistance to the Safety Basis Review Team (SBRT), Tank Farms (TF) Low-Activity Waste Pretreatment System (LAWPS) project, assistance, performance of oversight and mentoring of the WTP Hazards Analysis, Accident Analysis and Control Selection Process, as needed. This consulting responsibility ensures WTP nuclear safety program meets contract requirements, national safety codes and standards, and related nuclear safety requirements. These responsibilities are accomplished through utilizing expert nuclear and quality assurance consulting services and providing review and comment resolution of Hazard Analysis, Documented Analysis (DSA) development and Program related DSA changes performed by Bechtel National, Inc. (BNI). To that end, WTP has a requirement for Contractor support Subject Matter Experts (SME) nuclear safety and quality assurance consulting staff to provide WTP with nuclear safety and quality assurance related services and oversight of ORP's NSD.

5. Section C.2, SCOPE OF WORK, is deleted in its entirety and replaced with the following:

(a) The Contractor shall provide a sufficient quantity of qualified full-time and/or part-time nuclear safety experts to meet fluctuating programmatic requirements. Selection of these Subject Matter Experts (SMEs) will be approved by the NSD Director based on the SMEs' education, experience, accreditations and/or inspection expertise. The number of full-time site SMEs may be increased or reduced by the NSD Director based on projected nuclear safety consulting services activity levels. The SMEs will:

- (1) Perform nuclear safety consulting services-related to the WTP program needs, focusing on special activities, identified problems areas, and support any nuclear safety related needs for WTP by direct observation and involvement in activities such as safety or quality assurance reviews, safety inspections, and safety surveys.
- (2) Provide reviews of HA data and reports to WTP procedures and DOE-STD-3009 criteria.
- (3) Provide reviews of AA calculations and reports to WTP procedures and DOE-STD-3009 criteria.
- (4) Provide periodic oversight of the Hazard Analysis (HA) Team sessions conducted by the WTP Project to WTP procedures and DOE-STD- 3009 criteria, if needed.

- (5) Provide reviews of DSA chapter submittals (i.e., Chapters 2-5) to WTP procedures and DOE-STD-3009 criteria, including chapter reviews, accident analysis technical review, system description reviews, and review of other supporting documents (e.g., bases documents of accident analysis, credited **systems and components (SSC)** critical characteristics and performance etc.).
 - (6) Assist review of DSA safety management program chapters and evaluation of support documents (e.g., FHA, QAP, maintenance, etc.).
 - (7) Provide oversight of Unreviewed Safety Question (USQ) activities, including WTP procedures and assessment of implemented WTP USQ process.
 - (8) Assist in the preparation of SERs associated with the above DSA-related activities.
 - (9) Perform similar activities to those listed above for WTP related to PDSA development and maintenance/change efforts to support specific NSD review activities.
 - (10) Attend periodic SBRT, Hazard Analysis, Accident Analysis and Control Selection meetings if needed to discuss WTP nuclear safety consulting services related activities, areas to be inspected, status of open items to be reviewed, assigned WTP assessments status, as assigned.
 - (11) Provide oversight of USQ activities, including ATP procedures and assessment of implemented WTP USQ processes.
 - (12) When authorized by the NSD Director, consultants may work directly with WTP contractor as part of an integrated team to assist WTP contractor in producing limited-scope nuclear safety documents and deliverables. Examples of documents that may be produced include Safety Strategy Summary Documents; Hazard Analysis Tables; Preliminary Documented Safety Analysis or Documented Safety Analysis chapters, appendices or addenda. Consultants will utilize procedures provided by WTP contractor to perform this work scope. Consultants who participate in the development of safety basis documents may not also review those documents due to the requirement for the reviews to be independent of the production. There are no contract deliverables associated with this sub-task because WTP contractor maintains full responsibility for the final content and delivery of WTP safety basis documents to ORP.
 - (13) **Reserved (for other related technical support services to be determined)**
- (b) In performing the work set forth in this contract, the Contractor shall ensure compliance with the ORP Quality Assurance Program as specified in ORP management system policies and procedures, including [MGT-PM-PL-04 R4](#) Quality Assurance Program Description.
 - (c) The Contractor is required to provide his employees with a human resources representative. Duties to include, but not limited, to all matters related to Contractor employee personnel management, providing employee orientation, assisting (in cooperation with ORP) employee work station set ups, addressing Contractor employee concerns (other than technical nuclear safety **and quality assurance** work related), including disciplinary, corrective and dismissal actions.
 - (d) Inherently governmental functions (FAR Part 7.5) shall not be performed by the Contractor, including but not limited to development and formulation of ORP policies, programs, projects, acquisition strategy, product acceptance, representing ORP in any forum, and providing direction and control to any government employee.

- (e) Under the above requirements, the contractor shall also provide sufficient quantity of qualified full-time and/or part-time quality assurance experts to support the completion of hazard analyses, preliminary documented safety analysis and documented safety analysis. Selection of these Subject Matter Experts (SMEs) will be approved by the QAD Director based on the SMEs' education, experience, accreditations and/or inspection expertise. The number of full-time site SMEs may be increased or reduced by the QAD Director based on projected quality assurance services activity levels. The SMEs will:
- (1) Provide expertise for evaluation of quality assurance requirements associated with upgrading WTP existing structures, CCS from non-safety to safety significant to support the other completion of hazard analyses and completion of the preliminary documented safety analysis and documented safety analysis.
 - (2) Participate in workshops and review of engineering redraft plans to establish reasonable assurance existing SSCs can meet newly established nuclear safety functions and functional requirements from a quality assurance perspective.
 - (3) Assist ORP nuclear safety and engineering staff with interpretation of nuclear quality assurance requirements associated with procurements for SSCs credited with nuclear safety functions.
 - (4) Provide a qualified resource who can offer expert consulting services in support of quality assurance (QA) activities that pertain to TFP work scope.
 - (5) Support of quality assurance (QA) activities that pertain to WTP work scope, including fulltime oversight of the implementation of actions related to the two priority Level one findings as committed to within the Bechtel National Inc. (BNI) Corrective Action Plans (CAP), and Managed Improvement Plan (MIP).
 - (6) Provide supplementary support in performing Real Time Field Surveillances of BNIs field activities.
 - (7) Reserved (for other related technical support services to be determined)
- (f) Under the above requirements, the contractor shall also provide sufficient quantity of qualified full-time and/or part-time project management support to provide technical and programmatic advice to the AM-WTP and AM-TF for the resolution, management and decision making to resolve technical issues associated with the design of the Pretreatment, LAW Vitrification and HLW Vitrification. Selection of these SMEs will be approved by both AM-WTP and AM-TF based on the SMEs' education, experience, accreditations and/or inspection expertise. The number of full-time site SMEs may be increased or reduced by the both AMs based on projected activity levels. The SMEs will:
- (1) Provide expertise for evaluation of programmatic requirements associated with upgrading WTP existing structures, systems and components (SSC) from non-safety to safety significant to support the completion of hazard analyses and completion of the preliminary documented safety analysis and documented safety analysis.
 - (2) Participate in workshops and review of engineering redraft plans to establish reasonable assurance existing SSCs can meet newly established nuclear safety functions and functional requirements from a programmatic perspective.

(3) Reserved (for other related technical support services to be determined)

(g) The contractor shall also provide sufficient quantity of qualified full-time and/or part-time SMEs' who can provide other related field services related to the above requirements to support ORPs mission. Selection on the SMEs' will be approved by the COR and/or technical monitor based on the SMEs' education, experience, accreditations and/or inspection expertise. The number of full-time site SMEs may be increased or reduced by the COR and/or technical monitor based on projected activity levels. The SMEs will provide either:

(1) Readiness support to include:

- i. Planning strategic activities required for ORP to achieve readiness and verify readiness for radioactive operations;
- ii. Mentoring ORP staff and management in conduct of activities to achieve readiness and verify readiness to safely conduct nuclear operations;
- iii. Providing professional counsel on development and implementation of a Readiness Program from the Line Management perspective;
- iv. Providing expert advice and counsel on improvements to ORP's readiness program; and
- v. Promoting coordination between all relevant functions related to Readiness in ORP to safely conduct nuclear operation.

(2) Reserved (for other related technical support services to be determined)

(h) Reserved (for other related technical support services to be determined)

6. Section G.2, CONTRACT ADMINISTRATION, is deleted in its entirety and replaced with the following:

The ORP Administrative Contracting Officer (ACO) is:

U. S. Department of Energy
Office of River Protection
David A. Gallegos
P.O. Box 450
Richland, WA 99352
Telephone: (509) 376-1929
E-mail: David_A_Gallegos@orp.doe.gov

7. Section G.3, CONTRACTING OFFICER REPRESENTATIVE, is deleted in its entirety and replaced with the following:

By separate letter, a COR may be designated to this Contract. The COR will represent the CO in the technical phases of the work. The COR is not authorized to change any of the terms and conditions of this Contract. The CO, through properly written modification(s) to the Contract, is the only person authorized to make changes to the work scope. The COR is:

U. S. Department of Energy
Office of River Protection
Kim S. Ballinger
P.O. Box 450
Richland, WA 99352

Telephone: (509) 376-6332
 E-mail: kimberly_s_ballinger@orp.doe.gov

The alternate COR's are:

U. S. Department of Energy
 Office of River Protection
 Margo Qualheim
 P.O. Box 450
 Richland, WA 99352
 Telephone: (509) 376-2990
 E-mail: margo_k_qualheim@orp.doe.gov

U. S. Department of Energy
 Office of River Protection
 Rob G. Hastings
 P.O. Box 450
 Richland, WA 99352
 Telephone: (509) 376-2990
 E-mail: Robert_Hastings@orp.doe.gov

8. Section J-3, LABOR CATEGORY REQUIREMENTS, is hereby amended by adding the following rows to Attachment J-3 table:

Attachment J-3 Labor Contract Requirements

Labor Category	Responsibilities	Education	Experience	Accreditations	Other Safety Based Expertise
Technical Specialist I	Provides expertise to conduct investigations and studies. Presents recommendations and solutions to project issues. Conducts one or more task orders required to perform ongoing support to management. Interfaces with the customer for a task area and conducts the overall task with minimal supervision.	BS/BA degree in engineering, science, or business management, or alternatively, an accredited high school certificate plus 8 years of specialized experience in engineering, science, or business management, in addition to the requisite experience.	Five (5) years of directly applicable experience in providing mid-level technical or business support to management on projects.	Candidate should provide transcripts of education and verifiable references on past job experience.	Knowledge of DOE Nuclear Safety Requirements including 10 CFR 830, DOE-STD-3009, DOE O 420.1B, DOE-STD-1189, DOE-STD-1186, and DOE-STD-1027. Experience as a contractor participant or DOE reviewer for Operational Readiness Reviews is desired. Direct experience as nuclear safety staff for operating nuclear facilities is also desired.
Technical Specialist II	Provides expertise to conduct investigations and studies. Presents recommendations and solutions to project and program issues. Conducts daily tasks required to perform ongoing support to senior management using specialized knowledge. Interfaces with senior management personnel, technical staff, and customer representatives. Assists with developing and enforcing work standards, defining schedules, and reviewing work quality. Provides senior technical leadership and expertise at a senior management level to improve projects and programs. Conducts single large task orders or multiple small task orders with minimal supervision, ensuring conformance to task specifications and contract provisions. Classifies and summarizes data for preparation and submission of reports.	BS/BA degree in engineering, science, or business management, or alternatively, an accredited high school certificate plus 8 years of specialized experience in engineering, science, or business management, in addition to the requisite experience.	Ten (10) years of directly applicable experience in providing senior technical or business support to senior management on major projects and programs.	Candidate should provide transcripts of education and verifiable references on past job experience.	Knowledge of DOE Nuclear Safety Requirements including 10 CFR 830, DOE-STD-3009, DOE O 420.1B, DOE-STD-1189, DOE-STD-1186, and DOE-STD-1027. Experience as a contractor participant or DOE reviewer for Operational Readiness Reviews is desired. Direct experience as nuclear safety staff for operating nuclear facilities is also desired.
Technical Specialist III	Provides specialized expertise to conduct investigations and studies. Presents recommendations and solutions related to short-and long-range project and program issues. Conducts daily tasks required to perform ongoing support to organizational executives and senior management with minimal supervision. Interfaces with organizational executives, senior management personnel, business individuals, technical staff, and customer representatives. Develops and enforces work standards, defines schedules, and reviews work quality. Provides technical leadership and expertise at a senior management level to improve projects and programs. Conducts large task orders, ensuring conformance to task specifications and contract provisions. Classifies and summarizes data for preparation and submission of reports.	BS/BA degree in engineering, science, or business management, or alternatively, an accredited high school certificate plus 8 years of specialized experience in engineering, science, or business management, in addition to the requisite experience. MS/MA or PhD degree in a relevant field is considered to be 2 and 5 years of experience, respectively.	Fifteen (15) years of directly applicable experience in providing senior technical or business support to senior management on major projects and programs.	Candidate should provide transcripts of education and verifiable references on past job experience.	Knowledge of DOE Nuclear Safety Requirements including 10 CFR 830, DOE-STD-3009, DOE O 420.1B, DOE-STD-1189, DOE-STD-1186, and DOE-STD-1027. Experience as a contractor participant or DOE reviewer for Operational Readiness Reviews is desired. Direct experience as nuclear safety staff for operating nuclear facilities is also desired.