

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

BPA NO. 1. CONTRACT ID CODE PAGE 1 OF PAGE 2

2. AMENDMENT/MODIFICATION NO. 0003 3. EFFECTIVE DATE See Block 15c. 4. REQUISITION/PURCHASE REQ. NO. 42-07-036T058M003 09703658014 5. PROJECT NO. (If applicable)

6. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Jeffrey R. Mitchell, 301-492-3639 Mail Stop: TWB-01-B10M Washington, DC 20555 CODE 3100 7. ADMINISTERED BY (If other than Item 6) U.S. Nuclear Regulatory Commission Div. of Contracts Mail Stop: TWB-01-B10M Washington, DC 20555 CODE 3100

8. NAME AND ADDRESS OF CONTRACTOR INFORMATION SYSTEMS LABORATORIES, INC ISL ATTN: DR. JAMES F. MEYER 11140 ROCKVILLE PIKE, SUITE 500 ROCKVILLE MD 20852 CODE 107928806 FACILITY CODE 9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-42-07-036 0058 10B. DATED (SEE ITEM 13) 08-25-2008

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 telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT 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) 925-15-171-111 Q4014 252A 31x0200.925 Obligate \$68,952.00

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

A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A. B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b). C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Bilateral Mutual Agreement of the Parties D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor is not, X is required to sign this document and return 2 copies to the issuing office.

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

REFER TO ATTACHED PAGE TWO FOR A DESCRIPTION OF MODIFICATION NO. THREE.....

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) Bruce B. Hancock V.P. 15B. CONTRACTOR OFFICER (Signature of person authorized to sign) 15C. DATE SIGNED 9/26/09 16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Jeffrey R. Mitchell Contracting Officer 16B. UNITED STATES OF AMERICA BY (Signature of Contracting Officer) 16C. DATE SIGNED 9/25/2009

NSN 7540-01-152-8070 PREVIOUS EDITION NOT VALID TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

OCT 06 2009

STANDARD FORM 30 (REV. 10-83) Prescribed by GSA - FAR (48 CFR) 101-11.6

ADM002

The purpose of this modification is to (1) to incorporate the revised task order Statement of Work, (2) increase the contract ceiling by \$68,952.00 from \$367,125.00 to \$436,077.00, (3) provide incremental funding in the amount of \$68,952.00 thereby increasing the total obligations from \$367,125.00 to \$436,077.00, and (4) accept ISL's 2009 Provisional Billing/Forward Pricing Rates for this Task Order No. 58. Accordingly, the subject task order is modified as follows:

Refer to the Task Order No. 58 "Statement of Work" is here by deleted in its entirety and replaced with the following Statement of Work attached to this Modification No. 3 entitled "Statement of Work Rev 1".

Task Order No. 58 shall be in effect from August 25, 2008 through October 15, 2011, with a cost ceiling of \$436,077.00. The amount of \$409,221.00 represents the estimated reimbursable costs, and the amount of \$26,856.00 represents the fixed fee.

The amount obligated by the Government with respect to this task order is \$436,077.00, of which \$409,221.00 represents the estimated reimbursable costs, and the amount of \$26,856.00 represents the fixed fee.

A.1 2052.216-71 INDIRECT COST RATES (JAN 1993)

(a) Pending the establishment of final indirect rates which must be negotiated based on audit of actual costs, the contractor shall be reimbursed for allowable indirect costs as follows:

APPLIES ONLY TO TASK ORDER NO. 58, UNDER NRC-42-07-036

INDIRECT COST POOL	RATE	BASE	PERIOD
Fringe Benefits	47%	Direct Labor	January 1, 2009 - Task 58 Expiration
Overhead	44%	Direct Labor	January 1, 2009 - Task 58 Expiration
G&A	26%	Total Value Added Cost Input	January 1, 2009 - Task 58 Expiration
Material Handling	5%	Materials and Subcontractor Costs	January 1, 2009 - Task 58 Expiration

(b) The contracting officer may adjust these rates as appropriate during the term of the contract upon acceptance of any revisions proposed by the contractor. It is the contractor's responsibility to notify the contracting officer in accordance with FAR 52.232-20, Limitation of Cost, or FAR 52.232-22, Limitation of Funds, as applicable, if these changes affect performance of work within the established cost or funding limitations.

\*\*\*\*ALL OTHER TERMS AND CONDITIONS OF THE SUBJECT TASK ORDER REMAIN UNCHANGED\*\*\*\*

## TASK ORDER STATEMENT OF WORK

### REVISION 1

JCN Q-4014	Contractor ISL	Task Order No. 58 Mod 3
Applicant TVA	Design/Site AP1000 Bellefonte	Docket No. 052-0014, 052-0015
Title/Description AP1000 Bellefonte SER Technical Assistance in SER Production Work.		
TAC No. RX0572	B&R Number 825-15-171-111	SRP or ESRP Section(s)
NRC Task Order Project Officer (PO)		
Min Lee	301-415-0502	Min.Lee@nrc.gov
NRC Technical Monitor (TM)		
Brian Hughes	301-415-6582	Brian.Hughes@nrc.gov

#### 1.0 BACKGROUND

Combined Operating License (COL) Applications are submitted pursuant to Part 52 of Title 10 of the *Code of Federal Regulations* (10 CFR 52), "Early Site Permits; Standard Design Certifications; and Combined Licenses for Nuclear Power Plants." The U.S. Nuclear Regulatory Commission (NRC) reviews COL Applications based on information furnished by electric utility companies pursuant to 10 CFR 52.79, "Contents of Applications Technical Information."

A Standard Review Plan (NUREG-0800) is prepared for the guidance of staff reviewers in the Office of New Reactors in performing safety reviews of applications to construct or operate nuclear power plants and the review of applications to approve standard designs and sites for nuclear power plants. The principal purpose of the SRP is to assure the quality and uniformity of staff safety reviews.

The staff publishes the results of these reviews in a Safety Evaluation Report (SER).

#### 2.0 OBJECTIVE

The objective of this task order is to obtain technical expertise from the contractor to integrate the staff technical inputs into the SER COL templates previously developed by the contractor. The deliverables from the contractor will be the completed and technically edited, formatted draft SER with open items, draft advanced final, and draft final SER to be utilized by the NRC staff for documenting the results of the staff review of the COL application. Specifically, technical assistance is required to incorporate references and input staff's SER. **In addition, the objective of this modified task order will be satisfied by ISL's assistance with the following:**

1. Use checklist to be provided for quality and completeness validation.
2. Incorporate revision 3 into all SERs.
3. Validate RAI "Me Too" are incorporated
4. Validate all SERs to include Westinghouse's Revision 17, of the Design is incorporated
5. Support ACRS staff briefings

### 3.0 WORK REQUIREMENTS, SCHEDULE AND DELIVERABLES

Tasks/Standards	Scheduled Completion	Deliverables
1. Develop Project Plan including configuration and quality control. Develop tentative schedule for deliverables based on review phase milestones contained within the project specific schedule in EPM	Four Weeks after award of Task Order.	Project Plan and tentative schedule
2. REQUIREMENT: Phase1 input (e.g., technical evaluation and conclusions) incorporated into corresponding template, draft SER with open items edited, formatted and revised based on the updated SER User Guide	Each Chapter Draft SER shall be completed within two weeks after final Chapter input by NRC provided to contractor.	Draft SER with open items using templates and PSER input by Chapter for the COL
3. REQUIREMENT: Phase 2 SER input (e.g., responses to requests for additional information) incorporated into corresponding draft SER with open items	Each Chapter Draft SER shall be completed within two weeks after final Chapter input by NRC provided to contractor.	Updated Draft SER with open items
4. REQUIREMENT: Phase 2: Appendices as follows: See attached and list of open items by Chapter (to be incorporated into SER Chapter 1)	Two weeks prior to completion of each SER Chapter.	Included in Item 3, above.
5. REQUIREMENT: Phase 4 SER input (e.g., responses to open items and confirmatory items) incorporated into corresponding draft advanced final SER	Two weeks after final Chapter input by NRC provided to contractor.	Draft Advanced Final SER
6. REQUIREMENT: Phase 6 SER input as provided by technical staff incorporated into draft final SER	Two weeks after final Chapter input by NRC provided to contractor	Draft Final SER
* These Work Schedules are subject to change by the NRC Contracting Officer (CO) to support the needs of the NRC Licensing Program Plan.		

The Technical Monitor may issue technical instruction from time to time throughout the duration of this task order. Technical instructions must be within the general statement of work delineated in the task order and shall not constitute new assignments of work or changes of such a nature as to justify an adjustment in cost or period of performance. The contractor shall

refer to Section G.1 of the base contract for further information and guidance on any technical directions issued under this task order.

Any modifications to the scope of work, cost or period of performance of this task order must be issued by the CO and will be coordinated with the NRO Project Officer.

#### **4.0 TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED**

As specified in the base contract, the contractor shall provide individuals who have the required educational background and work experience to meet the objectives of the work specified in this task order. Specific qualifications for this effort include: 1. As a minimum, qualified personnel to perform technical evaluations, proficient in MS word formatting features, technical editing and the performance of NRC legal reviews.

The contractor shall pursue IT2 clearance for access to NRC network, specifically ADAMS.

The contractor shall provide a contractor project manager (PM) to oversee the effort and ensure the timely submittal of quality deliverables so that all information is accurate and complete as defined in the base contract.

The NRC will rely on representations made by the contractor concerning the qualifications of the personnel assigned to this task order, including assurance that all information contained in the technical and cost proposals, including resumes, is accurate and truthful. The resume for each professional proposed to work under this task order (contractor, subcontractor, or consultant) shall describe the individual's experience in applying his or her area of engineering specialization to work in the proposed area. The use of particular personnel on this contract is subject to the NRC technical monitor's (TM's) approval. This includes any proposed changes to key personnel during the life of the task order.

#### **5.0 REPORTING REQUIREMENTS**

##### **Task Order Progress Report**

The contractor shall provide a bi-weekly progress report summarizing accomplishments, expenditures, contractor staff hours expended, percent completed for each task under this task order, and any problems encountered by the contractor. Additionally a matrix should be added that includes all sections received, reviewed (redlined) and sent back to the NRC. The report shall be sent via e-mail to the NRC TM, Task Order Project Officer (PO), CO and to a pre-designated NRC/NRO/DNRL AP1000 Projects Licensing Assistant whom will monitor correspondence for this project. Please refer to Section F of the basic contract award document for contract reporting requirements.

##### **Technical reporting requirements**

Unless otherwise specified above, the contractor shall provide all deliverables as draft products. The NRC TM will review all draft deliverables (and coordinate any internal NRC staff review, if needed) and provide comments back to the contractor. The contractor shall revise the draft deliverable based on the comments provided by the TM, and then deliver the final version of the deliverable. When mutually agreed upon between the contractor and the TM, the contractor may submit preliminary or partial drafts to help gauge the contractor's understanding of the particular work requirement.

The contractor shall provide the following deliverables in hard copy and electronic formats. The electronic format shall be provided in MS Word including Style, Formatting and Technical Editing or other word processing software approved by the TM. For each deliverable, the contractor shall add and profile files within ADAMS and provide electronic copy to the PM, the TM, and the LA. It is assumed that the contractor has access to the NRC furnished material available on the internet.

It is understood that the scope of the review consists of conference calls with the NRC staff, and not the applicant, to discuss open items in an attempt to obtain additional information or reach resolution.

The primary deliverables, or output of this regulatory review, shall be the updated and properly formatted draft Safety Evaluation Reports (SERs). The draft SERs will serve as input to the NRC staff's SERs which will document the NRC's technical, safety, and legal basis for approving the COL application. The draft SERs must provide sufficient information to adequately explain the NRC staff's rationale for why there is *reasonable assurance* that public health and safety is protected. The draft SERs, and ultimately the SERs, should be written in a manner whereby a person with a technical (non-nuclear) background and unfamiliar with the applicant's request could understand the basis for the staff's conclusions. The draft SERs format is described in the SER Template User Guide Revision 1, 6/6/2008 located in Share Point under General SER Templates.

The contractor is responsible for structuring the draft SERs format to follow Federal and agency standards for publications. The current agency word processing standard is Microsoft Word. The contractor must use the latest agency-designated version of this agency standard. The word processing source file and electronic "print" file in Portable Document Format (PDF) should be automated, structured, and reusable (i.e. apply templates, contain automatic bookmarks, and have "live" Web links). The contractor must consider long-term use and revision when establishing styles. This will be evidenced by styles that are constructed for ease of use and that apply automated functions. The contractor must provide a style sheet itemizing the specifications for each style or tag applied in the word processing program. For example, the style sheet will note the name of the style, formatting details, and the specific functions of and use for each style.

At the completion of Task 4, submit updated appendices that contain a summary of the review results and the updated report completed under Task 3 incorporating the findings from the resolution of the RAIs. Include a separate list of the remaining open items and the basis for such determination.

The contractor should acquire NRC network/ADAMS access and provide accessible, archival-quality, print-ready, Web-enabled DOC source files that meet Federal and agency requirements for publications. These source files are entered in ADAMS and on finalization by the NRC TM, will be converted by ADAMS into Web-enabled PDFs. The print version will be made from the electronic file. Alternatively, on an interim basis while the contractor is pursuing IT2 clearance, the contractor will provide accessible, archival-quality, print-ready, Web-enabled PDF and DOC source files that meet Federal and agency requirements for publications. The print and electronic copies must match (suggestion: print the paper copy from the PDF, which is generated from the MS Word DOC file).

Electronic files should be—

1. Accessible: comply with Section 508 of the Rehabilitation Act (check the accessibility); accessible to screen readers; high contrast in b&w if any color is used; any information conveyed with color is conveyed equally well when color is not available.
2. Archival: generate PDF using PDF/A format, an international standard for archival PDFs; embed fonts; update/delete metadata.
3. Print-ready: min. 600 dpi (1200 dpi recommended) for high-quality, professional printing; include print disclaimers for any scanned or pixelated images; the PDF should be an entire document, including cover, inside cover, title page, Form 335, etc. (see NUREG-1757).

The schedule for deliverables shall be contained in the approved project plan for the task order effort.

In all correspondence, include identifying information: JCN Q-4014; Technical Assignment Control No. (TAC), if applicable, RX0572 Task Order 58; the licensee:TVA; and, the site: Bellefonte.

Reporting requirements are also specified in Section 3.

## **6.0 MEETINGS AND TRAVEL**

- a. One person, one day working meeting to kickoff project and contractor orientation.\*
- b. One person, one day working meetings at NRC headquarters to review deliverables\*

\*At the discretion of the NRC TM, meeting may be conducted via telephone or video conference.

## **7.0 NRC FURNISHED MATERIAL**

The following NRC furnished materials will be provided to the contractor together with SOW:

- a. CD-ROM containing COL Sections and the relevant Appendices from the COL application.

## **8.0 PERIOD OF PERFORMANCE**

The period of performance is from August 25, 2008 through October 15, 2011.

## **9.0. OTHER APPLICABLE INFORMATION**

- a. License Fee Recovery

All work under this task order is fee recoverable and must be charged to the appropriate TAC number(s).

- b. Assumptions and Understandings:

The level of effort for Task 2 is based assumption that there will be approximately 19 chapters and it will take, on the average, 86 hours to integrate, format, edit each chapter

The level of effort for Task 3 is based on the assumption that this task will be approximately 25% the effort of Task 2 as the scope is limited to additional content based on RAI responses

and through normal staff concurrence.

The level of effort for Task 4 is based on the assumption that there will be approximately 19 chapters and it will take, on the average, 10 hours to develop necessary appendices and contents.

The level of effort for Task 5 is based on the assumption that this task will be approximately 25% the effort of Task 2 as the scope is limited to additional content based on responses to open items and other supplemental information.

Web-enabled (electronic): bookmarks for navigation (generated by MS Word with the heading styles applied); live links to Web sites (entire URL must be active); meet NRC Web publication standards; enabled for Fast Web view; match agency wide electronic standards (<http://www.nrc.gov/site-help/e-submittals.html>)

Specifically, the MS Word file should use—

1. styles
2. automated formatting (no manually tabbed columns)
3. linked bookmarks or anchors for the table of contents or other document guides that jump to specific sections of the text
4. headers and other structural markup
5. abbreviation list
6. list and link figures, equations, tables, etc.
7. formatted tables with simple columns (do not nest tables, mark column headers if possible)
8. embedded fonts and objects

Suggestions for file names—

1. Use ASCII letters (a-z, A-Z), digits (0-9), underscores and hyphens (“\_” and “-”).
2. Do not use spaces, quotation marks, diacritic marks or other special/non-printing characters.
3. Reserve the period (“.”, full stop) for the file extension at the end of the filename.

In addition to general document quality standards, the contractor should meet the standards in—

1. U.S. Government Printing Office (GPO) Style Manual
2. NUREG-0650, Rev, 2, "Preparing NUREG-series Publications"
3. NUREG-1379, "NRC Editorial Style Guide"
4. NUREG-0544, "NRC Collection of Abbreviations," Rev. 4 July 1998
5. [www.plainlanguage.gov](http://www.plainlanguage.gov)
6. Section 508 of the Rehabilitation Act

**In addition, the objective of this modified task order will be satisfied by ISL's assistance with the following:**

- 1. Use checklist to be provided for quality and completeness validation.**
- 2. Incorporate revision 3 into all SERs.**
- 3. Validate RAI "Me Too" are incorporated**
- 4. Validate all SERs to include Westinghouse's Revision 17, of the Design is incorporated**
- 5. Support ACRS staff briefings**