

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT		BPA NO.	1. CONTRACT ID CODE	PAGE 1	OF PAGES 4
2. AMENDMENT/MODIFICATION NO. M001		3. EFFECTIVE DATE see block 16.C	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. (if applicable)	
6. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: 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 (No., street, county, State and ZIP Code) REEVES & ASSOCIATES CONSULTING AND TRAINING INC 2296 HENDERSON MILL RD NE STE 206 ATLANTA GA 303452739			(X)	9A. AMENDMENT OF SOLICITATION NO.	
				9B. DATED (SEE ITEM 11)	
				10A. MODIFICATION OF CONTRACT/ORDER NO. NRC-11-09-430 NRC-T003	
				10B. DATED (SEE ITEM 13) 04-19-2010	
CODE		FACILITY CODE		X	

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) BB&R#: 07R15111386; JC:N7326; BOC:251-A; APP#:31X200

FUNDED AMOUNT:\$0.00

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

(X)	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 43.109(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Mutual agreement of parties

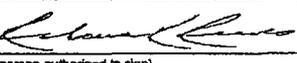
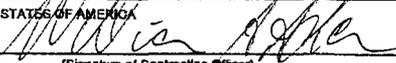
E. IMPORTANT: Contractor is not, is required to sign this document and return 1 copies to the issuing office.

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

The purpose of this modification is to:

1. Replace the current SOW with the attached modified SOW.
2. Change the period of performance to read 08/02/2010 through 12/31/2010.
3. Adjust current labor rates with the rates provided in Technical Work Plan and Pricing document. (see page 5)
4. 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.

16A. NAME AND TITLE OF SIGNER (Type or print) Rebecca K. Reeves, President		18A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) William A. Adams Contracting Officer	
15B. CONTRACTOR/OFFEROR  (Signature of person authorized to sign)	16C. DATE SIGNED 8/26/10	18B. UNITED STATES OF AMERICA BY  (Signature of Contracting Officer)	18C. DATE SIGNED 8-26-2010

NSN 7540-01-152-8070
PREVIOUS EDITION NOT USABLE

STANDARD FORM 30 (REV. 10-83)
Prescribed by GSA - FAR (48 CFR) 53.243

SUNSI REVIEW COMPLETE SEP 02 2010

TEMPLATE - ADMIN

10M002

STATEMENT OF WORK

PROJECT TITLE: EFFECTIVENESS OF ADOPTING NFPA 805 IN TRANSITION TO THE CURRENT FIRE PROTECTION PROGRAM

NRC PROJECT MANAGER: John Lai
(301) 415-5197

WORK PERIOD: 08-2-2010 THRU 12-31-2010

BACKGROUND

The NRC approved the risk-informed and performance-based alternative regulation, 10 CFR 50.48(c) in July 2004, allowing licensees to focus their fire protection activities on the areas of greatest risk. The rule permits licensees to use the fire protection requirements contained in the National Fire Protection Association (NFPA) Standard 805, "Performance-Based Standard for Fire Protection for Light-Water Reactor Electric Generating Plants, 2001 Edition," with some exceptions.

The Nuclear Regulatory Commission has recently approved the Shearon Harris Nuclear Power Plant's adoption of the National Fire Protection Association's "Performance-Based Standard for Fire Protection for Light-Water Reactor Electric Generating Plants" (NFPA 805). An additional 47 reactors at 31 sites, representing 17 utilities, have told the NRC that they plan to adopt the NFPA 805 approach. Some of these plants will submit their license amendments once the other pilot plant's (Oconee Station) submittal has been approved and the "lessons learned" have been adopted.

However, there are perceptions that limitations in the applied fire PRA analysis methods, models, or data could lead to inappropriate conclusions during the transition to NFPA 805. Other issues may also be impeding or discouraging the transition process.

ACRS is authorized to hire a consultant to obtain information about the issues related to the NFPA 805 transition.

OBJECTIVE

The completion of this work will give the ACRS sufficient information to provide fact finding to the Commission regarding the perceived NFPA 805 transition issues.

The objectives are:

- (1) to obtain input from NRC staff, industry PRA practitioners, and other external stakeholders regarding technical issues that are currently the most significant impediments to the performance of fire analyses for the NFPA-805 transition process
- (2) to identify other issues (e.g., programmatic, process, or resources) that may be significant impediments
- (3) to identify "lessons learned" from the pilot plant applications that could improve the process for future applications

TECHNICAL AND OTHER SPECIAL QUALIFICATIONS REQUIRED

The consultant should have extensive experience as a PRA practitioner and methodology developer for internal fire risk analysis for nuclear power plants. Recent participation in industry peer reviews or support of regulatory reviews of internal fire risk analyses is also desirable.

SCOPE OF WORK

Task 1. Interview technical leads of stakeholders who are actively involved in the fire modeling and fire PRA model applications for the NFPA 805 Transition

The consultant will interview the following stakeholders as a minimum but can choose to expand to other stakeholders as deemed necessary upon advanced approval of the project manager. A draft interview questionnaire will be provided to the consultant at the beginning of the project. The final questionnaire and details of the interview process will be developed by mutual agreement between the consultant and the project manager at the start of the project. It is expected that the consultant has the knowledge of the personnel and organizations described in the following subtasks. In case that the consultant needs this information, the consultant should contact the project manager promptly.

1. The consultant will interview licensee PRA practitioners who are supporting the fire modeling and fire PRA development for nuclear power plants that are transitioning to NFPA 805. These interviews will include personnel from the two pilot plants (Shearon Harris Nuclear Station and Oconee Station) and personnel from two or three other plants that plan to submit their applications soon after approval of the Oconee application.
2. The consultant will interview PRA practitioners from approximately four consulting firms who are actively supporting or performing analyses for the NFPA 805 transition plants.
3. The consultant will discuss with personnel from Monticello plant why it chose to withdraw from the NFPA 805 transition.
4. The consultant will interview personnel from other interested stakeholders, such as North Carolina Waste Awareness Reduction Network (NCWARN) and Union of Concerned Scientist (UCS), to obtain their feedback on technical concerns with the NFPA 805 transition.
5. The consultant will interview the project leads of NEI/EPRI to obtain their feedback on technical concerns with the NFPA 805 transition.
6. The consultant will visit NIST to obtain information about their fire models and (i.e., CFAST and FDS) and their applicability to NFPA 805 analyses.
7. The consultant will interview the NRC staff who are actively involved in the fire modeling and fire PRA model applications for the NFPA 805 transition.
8. The consultant will complete the letter report(s) in accordance with those described in the DELIVERABLES and REPORTING REQUIREMENTS Sections.

Estimated Level of Effort: [REDACTED]
Estimated Completion Date: October 30, 2010

Task 2. Support ACRS Subcommittee meetings and develop a prioritized set of issues

The Consultant will attend the first ACRS Subcommittee meeting presently scheduled on November 16, 2010 to present the preliminary technical information from this project.

The consultant may be requested to compile all the information from the November Subcommittee meeting and develop a prioritized set of issues for the second ACRS Subcommittee meetings presently scheduled on December 13-14, 2010.

Estimated Level of Effort: [REDACTED]
Estimated Completion Date : November 30, 2010

DELIVERABLES

At the completion of Task 1, the consultant will submit to NRC a letter report describing and summarizing the findings by November 1, 2010.

REPORTING REQUIREMENTS

A final report summarizing the findings of the project and any recommendations to the ACRS will be submitted no later than November 30, 2010.

ORGANIZATIONAL CONFLICT OF INTEREST DISCLOSURE

- A. Provide descriptions of present/planned/past work for other organizations, in the same/similar technical area as the NRC project scope of work, e.g., (included but not limited to), NRC licensees, vendors, industry groups or research institutes that represent or are substantially comprised of nuclear utilities.
- B. Provide name of organization, dollar value, and period of performance of the work identified in (A).

MEETINGS AND TRAVEL

Travels may be requested to conduct face-to-face meetings between the consultant and stakeholder. Advanced travel request and approval are required before the trip is made.

Upon request by the ACRS, the consultant needs to make a few trips to the NRC headquarters for attending the ACRS subcommittee meetings and related technical information meetings.

As present, the subcommittee meetings are scheduled on November 16, 2010 and December 13-14, 2010.

NRC-FURNISHED MATERIAL

A draft questionnaire will be developed by the ACRS and will be provided to the consultant before the project starts.

INFORMATION TECHNOLOGY (IT) RESOURCES:

No IT resources are expected to be acquired for this effort. The consultant will provide his/her own personal computers to conduct interviews and report writing.