

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			BPA NO.	1. CONTRACT ID CODE	PAGE 1	OF PAGE 2
2. AMENDMENT/MODIFICATION NO. M001		3. EFFECTIVE DATE See Block 15c.	4. REQUISITION/PURCHASE REQ. NO. 03-07-040T003M001		5. PROJECT NO. (If applicable)	
6. ISSUED BY U.S. Nuclear Regulatory Commission Div. of Contracts Attn: Nicole A. Pratt 301-492-3622 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) ARES CORPORATION ARES GOVERNMENT SERVICES 1440 CHAPIN AVE STE 390 BURLINGAME CA 940104058			(X)	9A. AMENDMENT OF SOLICITATION NO.		
				9B. DATED (SEE ITEM 11)		
				10A. MODIFICATION OF CONTRACT/ORDER NO. GS23F0113L DR-03-07-040 T003		
CODE 807721980			FACILITY CODE	X	10B. DATED (SEE ITEM 13) 02-28-2008	

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) 820-15-111-104 J4043-8 252A 31X0200.820 FFS: NRR-07-040 Lin 4
Duns: 807721980 OBLIGATE: \$43,000.00

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 43.103(b).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
X	D. OTHER (Specify type of modification and authority) Mutual Agreement of Both Parties

E. IMPORTANT: Contractor is not, 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.)
PLEASE SEE PAGE 2 FOR MODIFICATION DETAILS

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) Kathryn Naasson, Senior Vice President		16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) Donald A. King Contracting Officer	
15B. CONTRACTOR/OFFEROR Kathryn Naasson (Signature of person authorized to sign)		15C. DATE SIGNED 9/25/08	16B. UNITED STATES OF AMERICA BY [Signature] (Signature of Contracting Officer)
			16C. DATE SIGNED 9/25/2008

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

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

TEMPLATE - ADM001

SUNSI REVIEW COMPLETE

MAR 11 2008

ADM002

The purpose of this modification is to 1.) increase the task order ceiling by \$45,266.87 from \$216,008.09 to \$261,234.96 to reflect the increased level of effort, 2.) provide incremental funding in the amount of \$43,000.00, thereby increasing the total obligated amount from \$197,000.00 to \$240,000.00, 3.) extend the period of performance from November 27, 2008 through June 30, 2009 from and 4.) delete and replace the Statement of Work (attached). Accordingly, the following changes are hereby made:

"Task Order No. 003 shall be in effect from February 28, 2008, through June 30, 2009, with a cost ceiling of \$261,234.96."

Task Order Ceiling: \$261,234.96 (changed)
Total Obligations to date: \$240,000.00 (changed)
Period of Performance: 02/28/2008 – 06/30/2009 (changed)

All other terms and conditions remain unchanged.

A summary of obligations from the date of award through the date of this modification is provided below:

FY08 Obligations	\$240,000.00
Cumulative Obligations:	\$240,000.00

STATEMENT OF WORK
Modification No. 1 to Task Order 3
Under DR-03-07-040 (J-4043)

Title: Evaluation of the Technical Adequacy of Pressurized Water Reactor Licensee CY 2008 Responses to Generic Letter 2004-02

BACKGROUND AND PURPOSE FOR THE MODIFICATION

Under Task Order 3, the contractor was requested to assist the staff in determining the technical adequacy of approximately forty-two current-year 2008 Generic Letter 2004-02 supplemental responses from the PWR licensees. Task 1 of three Tasks was to perform the basic review of all of the responses and that work is almost complete.

Task 2 was for review of up to five especially complex GL2004-02 supplemental responses and to develop detailed analyses for the complex or problematic technical issues. After the review of about 80 percent of the responses, it was determined that no further in-depth, plant-specific analysis, as originally conceived, was necessary. Therefore, this Task is being revised to address one complex technical issue relating to the review of zone of influence (ZOI), on a generic basis. In their submittals, some licensees addressed the applicability of the ZOI issue for particular materials used in their plants by referencing specific reports (see NRC Furnished Materials section, below.) The ZOI issue forms the critical basis for resolution of GSI-191, in that it defines the volume surrounding a break in which specific debris will be created. This in turn determines the quantity of debris generation and characteristics of the debris that must be considered for resolution of the sump blockage issue.

Similarly, for Task 3, the staff conceived that five follow-on trips to NRC HQ or to the plant sites would be needed to address the especially complex technical issues directly with the licensees. Since the approach has changed, the need for the trips has changed. Task 3 is being revised to include only one trip to NRC HQ or to a plant site.

Finally, the results of the review of the Generic Letter Response to date have resulted in the need for numerous requests for additional information (RAIs) on the large majority of the responses. It was originally conceived that there would be sufficient effort allocated under Task 1.b. to review licensee responses to the original RAIs but that will not be the case because of the quantity of open issues identified and numerous new RAIs. Many of the issues involve areas of review within the scope of Task Order 3. Therefore, an additional Task, Task 4, is needed to review supplemental responses addressing the RAIs.

WORK REQUIREMENTS

Tasks

Completion Schedule

REVISE: Task 2 as follows:

Review and evaluate two zone of influence (ZOI) reports which have been referenced in licensee GL 2002-04 submittals and prepare a technical letter report. Specifically, review (1) WCAP-16710-P, Rev 0, "Jet Impingement Testing to Determine the Zone of Influence (ZOI) of Min-K and NUKON® Insulation for Wolf Creek and Callaway Nuclear Operating Plants," October 2007, and (2) WCAP-16851-P, Rev 0, "Florida Power and Light (FPL) Jet Impingement Testing to Cal-Sil Insulation," October 2007.

(1) Draft report.

Four weeks after authorization of work.

(2) Incorporate NRC comments and prepare the interim report.

One week after receipt of NRC comments.

REVISE: Task 3 as follows:

Prepare for and travel to a plant site or to NRC HQ to participate in discussions with the licensee(s) to assist in resolving plant-specific issues related to break selection, debris generation, debris characteristics, debris transport, debris head losses and strainer vortexing. Prepare a trip report.

One week after the trip.

ADD: the following Task 4:

Using the guidance referenced in the background section of the SOW, review and evaluate up to 15 sets of PWR licensee GL 2004-02 supplemental responses to NRC request for additional information, including revised test report summaries, in some cases. Identify any mitigating factors for each problem area; evaluate the significance of issue(s) identified; indicate whether the additional information provided adequately addresses the identified problem area(s). NOTE: Because, the schedule generally calls for each RAI response review to be completed in a narrow time-frame and the amount of information available for review could be extensive, focus of the review must be on the important aspects of the licensee responses. Prepare a technical letter report.

LEVEL OF EFFORT

REVISE: the level of effort as follows:

Task Number	Professional Staff			Non-Professional Staff			Task Totals
	FY08	FY09	Task Total	FY08	FY09	Task Total	
Task 1	840	0	840	32	0	32	872
Task 2	120	0	120	2	0	2	122
Task 3	0	40	40	0	1	1	41
Task 4	4	432	436	0	10	10	446
Subtotal	964	472	1436	34	11	45	1481
Program Support	45	30	75	0	0	0	75
Total	1009	502	1511	34	11	45	1556

PERIOD OF PERFORMANCE

EXTEND: the period of performance to June 30, 2009.

DELIVERABLES

Technical Reporting Requirements

ADD: the following technical reporting requirements:

4. At the completion of Task 2, submit a technical letter report, draft and final as appropriate, that contains the results of the analysis targeted at resolving the complex technical issues assigned.
5. At the completion of each assigned RAI response reviewed under Task 4, submit a technical letter report, draft and final as appropriate that contains the results of the analysis targeted at resolving the complex or problematic technical issues assigned.

MEETINGS AND TRAVEL

DELETE: Four one-person, three-day trips to NRC Headquarters or plant sites. For the remaining trip assume it to be at NRC HQ.

NRC-FURNISHED MATERIALS

ADD: the following items:

The following two reports were sent to the Principal Investigator on July 14, 2008:

NRC-FURNISHED MATERIALS (CONTINUED)

WCAP-16710-P, Rev 0, "Jet Impingement Testing to Determine the Zone of Influence (ZOI) of Min-K and NUKON® Insulation for Wolf Creek and Callaway Nuclear Operating Plants," October 2007.

WCAP-16851-P, Rev 0, "Florida Power and Light (FPL) Jet Impingement Testing to Cal-Sil Insulation," October 2007.

The licensee's GL 2004-2 additional supplemental responses including RAI responses and test report summaries will be provided by either mail or E-mail by the Technical Monitor; see Task 4 under the Work Requirements section.

OTHER APPLICABLE INFORMATION

Assumptions and Understandings

For Task 3, the level of effort assumption for the trip under Task 3 consists of 6 hours for preparation and travel to NRC Headquarters and 24 hours for the meeting and return travel and 10 hours for documentation resulting from the trip.

The level of effort assumption for completing Task 2 is based on 100 professional staff hours total, including preparation of the draft and final technical letter reports and including internal review and editing.

The level of effort for the Task 4 is based on an average of fourteen and a half hours per review. However the particular reviews will vary in effort. I.e., a simple RAI response review could be completed in several hours, whereas a complex RAI response could take 5 days; a supplemental response could take two days, and a test report detailed review could take four days or more.