

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

BPA NO.

1. CONTRACT ID CODE

PAGE

1

OF PAGE

10

2. AMENDMENT/MODIFICATION NO.

0002

3. EFFECTIVE DATE

See Block 16C

4. REQUISITION/PURCHASE REQ. NO.

NRC-42-07-481-016

09748116159

5. PROJECT NO. (If applicable)

6. ISSUED BY

CODE

3100

7. ADMINISTERED BY (If other than Item 6)

CODE

3100

U.S. Nuclear Regulatory Commission
Div. of Contracts
Attn: Kala Shankar
Mail Stop: TWB-01-B10M
Washington, DC 20555

U.S. Nuclear Regulatory Commission
Div. of Contracts
Mail Stop: TWB-01-B10M
Washington, DC 20555

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code)

N J NUMARK ASSOCIATES INC
NUMARK ASSOCIATES, INC.

1220 19TH ST NW STE 500

WASHINGTON DC 200362444

(X)

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.
NRC-42-07-481 0016

10B. DATED (SEE ITEM 13)

04-11-2008

CODE DUNS 78824737

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)

B&R: 925-15-171-103 JC: Q4159; BOC: 252A; Approp. 31X0200
Funding: \$15,000

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:

D. OTHER (Specify type of modification and authority) Pursuant to FAR Clause 52.243-2 ALT 1
Mutual Agreement of Both parties

X

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.)

The purpose of this modification is to 1. reflect the addition of subtask 4a to the SOW; 2. increase task order ceiling and 3. add \$15,000 in incremental funds.

Task Order Ceiling Amount: \$326,983 (changed)

Total Amount Obligated: \$310,861 (changed)

Period of Performance: 04/11/08-08/10/09 (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)

Neil J. Numark, President

16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)

Kala Shankar
Contracting Officer

15B. CONTRACTOR/OFFEROR

15C. DATE SIGNED

1/12/09

16B. UNITED STATES OF AMERICA

16C. DATE SIGNED

BY Kala Shankar
(Signature of Contracting Officer)

1/12/09

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

FEB 10 2009

ADM002

The purpose of this modification is to (1) increase the ceiling by \$31,122 from \$295,861 to \$326,983, (2) obligate \$15,000 in incremental funds (3) add subtask 4a to SOW and incorporate the revised SOW to the task order. Accordingly, the subject task order is hereby modified as follows:

Paragraphs 2 and 3, page 2 of 2 under the base task order 16, are hereby deleted in its entirety and replaced with the following:

Task Order No. 16 shall be in effect sixteen months from date of award, with a cost ceiling of \$326,983. The amount of \$308,288 represents the estimated reimbursable costs, and the amount of \$18,695 represents the fixed fee.

The amount obligated by the Government with respect to this task order is \$310,861, of which \$293,265 represents the estimated reimbursable costs, and the amount of \$17,596 represents the fixed fee.

A summary of obligations for this task order, from award date through the date of this action is given below:

Total FY08 Obligation Amount:	\$295,861.00
Total FY09 Obligation Amount:	<u>\$ 15,000.00</u>
Cumulative Total of NRC Obligations:	\$310,861.00

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

TASK ORDER STATEMENT OF WORK

JCN Q-4159	Contractor Numark Associates	Task Order No. NRC-42-07-481 (16 Mod 2)
Applicant AREVA NP Inc	Design/Site U.S. EPR	Docket No. 5200020
Title/Description Technical Assistance for Chemical Engineering Portion of Design Certification Review		
TAC No. RX0240	B&R Number 925-15-171-103	SRP Section(s) or ESRP 5.2.3, 6.1.2, 6.2.2 , 6.5.2, 9.1.1, 9.1.2, 9.1.3, 9.3.2, 9.3.4, 9.5.4, 10.4.6, 10.4.8 and 15.0.3 (independent confirmatory pH calculation of post-accident water chemistry)
NRC Task Order Project Officer (PO) David.D'Abate (301) 415-0667 David.DAbate@nrc.gov		
NRC Technical Monitor (TM) Jeffrey Poehler (301) 415-8353 Jeffrey.Poehler@nrc.gov		

1.0 BACKGROUND

Combined Operating License (COL) Applications are submitted pursuant to Section 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.

An Environmental Safety Review Plan (NUREG-1555) is prepared for the guidance of staff reviewers in performing environmental reviews of applications related to nuclear power plants. The ESRPs are companions to regulatory guides that address siting and environmental issues. As with NUREG-0800 the purpose of the ESRP is to assure the quality and uniformity of environmental 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 assist the staff in determining the adequacy of the DCD application relating to the AREVA NP Inc USEPR reactor.

Specifically, a review of SRP subsections 5.2.3, 6.1.2, **6.2.2**, 6.5.2, 9.1.1, 9.1.2, 9.1.3, 9.3.2, 9.3.4, 9.5.4, 10.4.6, 10.4.8 and 15.0.3 (independent confirmatory pH calculation of post-accident water chemistry) is required to insure that the plant design meets regulatory requirements. The review shall focus on the compatibility and stability of the materials of construction with service conditions and reactor water chemistry (primary and secondary), suitability of protective

Outline and Format for the Technical Evaluation Report

X.Y.Z Title of Section

X.Y.Z.1 Regulatory Criteria

Develop an outline that follows the format and topics presented in the AREAS OF REVIEW section of the appropriate SRP section. This information will correspond to the SRP sections that are the subject of this Task Order. For each unique SRP review area contained in the TER, the laboratory should specify the acceptance criteria that were used for its review. Summarize the applicable regulations and other regulatory references, including regulatory guides, generic letters, or NRC staff positions, that are relevant to this topic.

Technical reviewers are encouraged to use the descriptions of acceptance criteria from previously issued Safety Evaluation Reports for completed design certifications (e.g., NUREG-1793 for the AP1000 Final Safety Evaluation Report) when applicable.

X.Y.Z.2 Summary of Technical Information

Describe the key technical points that were made in the application. It is not necessary to restate the application verbatim or to address all the details in the application.

X.Y.Z.3 Technical Evaluation

Document the laboratory's evaluation of the application against the relevant regulatory criteria. The evaluation should support the laboratory's conclusions as to whether the regulations are met. State what the laboratory did to evaluate the applicant's submittal. The laboratory's evaluation may include verification that the applicant followed applicable regulatory guidance, performance of independent calculations, and validation that the appropriate assumptions were made. The laboratory may state that certain information provided by the applicant was not considered essential to the laboratory's review and was not reviewed by the laboratory. While the laboratory may summarize the information offered by the applicant in support of its application, the laboratory should clearly articulate the bases for its conclusions.

X.Y.Z.4 Conclusions

Summarize the laboratory's conclusions regarding the application, including words such as the following. As set forth above in Sections X.Y.Z.2 and X.Y.Z.3 of this report, [provide specific bases for conclusions that follow]. Accordingly, the staff concludes that the application meets [or, if applicable, does not meet] the relevant requirements of 10 CFR Part XX and is [or, if applicable, is not] acceptable.