

**SOLICITATION/CONTRACT/ORDER FOR COMMERCIAL ITEMS**

REQUISITION NO.  
HR-00-0284

*DCR*

PAGE 1 OF

ACT NO. C-38-00-284	3. AWARD/EFFECTIVE DATE 03-03-2000	4. ORDER NO.	MODIFICATION NO.	5. SOLICITATION NO. RS-HR-00-0284	6. SOLICITATION ISSUE DATE 12/07/99
SOLICITATION INFORMATION CALL:	a. NAME Sharlene Mccubbin	b. TELEPHONE NO. (No Collect Calls) 301-415-6565		8. OFFER DUE DATE/LOCAL TIME 12/28/99 3:00 p.m.	

BY	CODE	10. THIS ACQUISITION IS <input checked="" type="checkbox"/> UNRESTRICTED <input type="checkbox"/> SET ASIDE 0 % FOR <input type="checkbox"/> SMALL BUSINESS <input type="checkbox"/> SMALL DISADV. BUSINESS <input type="checkbox"/> 8(A)	11. DELIVERY FOR FOB DESTINATION UNLESS BLOCK IS MARKED <input type="checkbox"/> SEE SCHEDULE 13a. THIS CONTRACT IS A RATED ORDER UNDER DPAS (15 CFR 700) 13b. RATING N/A	12. DISCOUNT TERMS N/A
J.S. Nuclear Regulatory Commission Division of Contracts and Property Mgt. Attn: T-7-I-2 Contract Management Branch Washington DC 20555		SIC: 8299 SIZE STANDARD:	14. METHOD OF SOLICITATION <input type="checkbox"/> RFO <input type="checkbox"/> IFB <input checked="" type="checkbox"/> RFP	

TO	CODE	16. ADMINISTERED BY	CODE
J.S. Nuclear Regulatory Commission  Washington DC 20555			

TRACTOR/OFFEROR	CODE	FACILITY CODE	18a. PAYMENT WILL BE MADE BY	CODE
Vestinghouse Electric Company LLC Nuclear Services Business Unit Box 158 Madison PA 15663-0158			U.S. Nuclear Regulatory Commission Office of the Chief Financial Officer Attn: GOV/COM Acctng. Section T-9H4 Washington DC 20555	

18b. SUBMIT INVOICES TO ADDRESS SHOWN IN BLOCK 16a UNLESS BLOCK BELOW IS CHECKED  
 SEE ADDENDUM

NO.	20 SCHEDULE OF SUPPLIES/SERVICES	21 QUANTITY	22 UNIT	23 UNIT PRICE	24 AMOUNT
	See attached schedule shown on page 2.				

26. TOTAL AWARD AMOUNT (For Govt. Use Only)  
Estimated Ceiling \$753,271.00

SOLICITATION INCORPORATES BY REFERENCE FAR 52.212-1, 52.212-4, FAR 52.212-3 AND 52.212-5 ARE ATTACHED. ADDENDA  ARE  ARE NOT ATTACHED.  
CONTRACT/PURCHASE ORDER INCORPORATES BY REFERENCE FAR 52.212-4, FAR 52.212-5 IS ATTACHED. ADDENDA  ARE  ARE NOT ATTACHED.

CONTRACTOR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN 3 COPIES TO ISSUING OFFICE. CONTRACTOR AGREES TO FURNISH AND DELIVER ALL ITEMS SET FORTH OR OTHERWISE IDENTIFIED ABOVE AND ON ANY ADDITIONAL SHEETS SUBJECT TO TERMS AND CONDITIONS SPECIFIED HEREIN.

29. AWARD OF CONTRACT: REFERENCE \_\_\_\_\_ OFFER DATED \_\_\_\_\_. YOUR OFFER ON SOLICITATION (BLOCK 5), INCLUDING ANY ADDITIONS OR CHANGES WHICH ARE SET FORTH HEREIN IS ACCEPTED AS TO ITEMS:

NATURE OF OFFEROR/CONTRACTOR

31a. UNITED STATES OF AMERICA (SIGNATURE OF CONTRACTING OFFICER)

NAME AND TITLE OF SIGNER (TYPE OR PRINT)	30c. DATE SIGNED	31b. NAME OF CONTRACTING OFFICER (TYPE OR PRINT) Mary H. Mace	31c. DATE SIGNED
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PROPERTY IN COLUMN 21 HAS BEEN <input type="checkbox"/> UNINSPECTED <input type="checkbox"/> INSPECTED <input type="checkbox"/> ACCEPTED AND CONFORMS TO THE CONTRACT, EXCEPT AS NOTED	33. SHIP NUMBER PARTIAL FINAL	34. VOUCHER NUMBER	35. AMOUNT VERIFIED CORRECT FOR
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NATURE OF AUTHORIZED GOVT. REPRESENTATIVE	32c. DATE	36. PAYMENT <input type="checkbox"/> COMPLETE <input type="checkbox"/> PARTIAL <input type="checkbox"/> FINAL	37. CHECK NUMBER
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38. S/R ACCOUNT NUMBER	39. S/R VOUCHER NUMBER	40. PAID BY
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1a. I CERTIFY THIS ACCOUNT IS CORRECT AND PROPER FOR PAYMENT

42a. RECEIVED BY (Print)

NATURE AND TITLE OF CERTIFYING OFFICER	41c. DATE	42b. RECEIVED AT (Location)
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42c. DATE REC'D (YY/MM/DD)	42d. TOTAL CONTAINERS
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*ADM-001 ML993160330*

*DF02*

Your contacts during the course of this task order are:

Technical Matters: Edmund Kleeh  
Project Officer  
(301) 415-2964

Contractual Matters: Mona Selden  
Contract Specialist  
(301) 415-7907

Acceptance of Task Order No. 068 should be made by having an official, authorized to bind your organization, execute three copies of this document in the space provided and return two copies to the Contract Specialist. You should retain the third copy for your records.

Sincerely,

Sharon D. Stewart, Contracting Officer  
Contract Management Branch 2  
Division of Contracts and Property Management  
Office of Administration

Enclosure: Statement of Work

ACCEPTED: Task Order No. 068

NAME \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

**DISTRIBUTION:**

MCSelden CMB2 r/f E. Kleeh, PO T. Champion, NRR

DOCUMENT NAME: P:\NRR98021\TORDERS\To68ltr

OFFICE	ADM/DCPM/CMB2	ADM/DCPM/CMB2					
NAME	MCSelden	SDStewart					
	3/2/00	3/2/00					

OFFICIAL RECORD COPY

ch nature as to justify an adjustment in cost or period of performance. The contractor shall refer to the basic contract for further information and guidance on any technical directions issued under this task order.

ny modifications to the scope of work, cost or period of performance of this task order must be issued by the Contracting Officer and will be coordinated with the NRR Project Officer. Specific tasks under this task order are:

Task

Schedule Completion

Prepare for the inspection.

a. Obtain a thorough understanding of the selected system(s) by review of licensee provided documentation. Annotate the provided preparation checklist as necessary.

b. Develop a list of questions or areas of concern, including the reason for the question. This list to be shared with NRC team members for training purposes.

c. Inspection preparation will include both individual work and team meetings, including discussion of review techniques with team members.

2. Perform the inspection.

a. Review the documentation requested from licensee and make queries in line with the intent of the inspection.

b. Evaluate thoroughly the design and licensing basis, lineups during normal and emergency operation, functional requirements for system, the agreement between surveillance test procedures and design/licensing basis, and other areas that may contain potential discrepancies so as to complete a thorough assessment of the

1. Inspection preparation will take place at the Region IV office in Arlington, Texas on or about March 27- 31, 2000.

2. On-site inspection is to take place on or about April 03 - 07; and on or about April 17 - 21, 2000. Review of documentation, licensee inquiries, and other inspection-related activities will be conducted in contractor's home offices on or about week of April 10 - 14, 2000.

signed review area. Discuss evaluation methods and results with NRC team members.

c. Any potential observations or findings shall be discussed with the Team Leader or an inspector trained in the NRC pilot risk-based inspection program.

Prepare the inspection report.

a. Follow the guidelines of NRC INSPECTION MANUAL , Manual Chapter 0610 or 0610\*, "Inspection Reports."as directed by Technical Monitor.

b. Feeder report should discuss inspection activities, be concise, and focus on safety significant findings based on facts and regulatory requirements.

OOTE: Prior to the start of the on-site preparation, the contractor's staff is required to coordinate inspection aspects, such as travel logistics, with the Team Leader.

3. Documentation of inspection will take place on or about April 24 - 28, 2000 in contractor's home office. Final inspection report input is due on or about May 1, 2000.

## REPORT REQUIREMENTS

### Technical Report

At the completion of Task 1, the contractor's specialist shall provide an inspection plan to the NRC Team Leader. The format and scope of this input shall be as directed by the NRC Team Leader.

During Task 2, the contractor's specialist shall provide daily reports to the NRC Team Leader. The format and scope of these reports shall be as directed by the NRC Team Leader.

At the completion of Task 2 (prior to the inspection team's exit meeting with the licensee), the contractor's specialist shall provide a draft inspection report input to the NRC Team Leader. The format and scope shall be as directed by the NRC Team Leader. Typically, this input will consist of a handwritten summary of the specialist's inspection findings.

At the completion of Task 3, the contractor shall deliver a copy of final inspection report input (feeder report) to the NRC Project Officer with one hard copy and one electronic version (WordPerfect or other IBM PC compatible software acceptable to the NRC Team Leader) to the NRC Team Leader. The format and scope of the final report inputs shall be in accordance with the guidance in NRC Inspection Manual Chapter 0610 or as directed by the NRC Team Leader.

The specialist's feeder report will serve as documentation of the specialist's inspection activities, effort, and findings, and will be used by the NRC Team Leader for the preparation of the NRC's inspection report. The form and scope of the final report input shall be in accordance with the guidance in NRC Inspection Manual Chapter 0610 or as directed by the NRC Team Leader. As a minimum, each specialist's report input shall include the following:

Identity of the individuals (name, company, and title) that provided information to the specialist during the inspection.

For each area inspected, a description of the activities and general findings and conclusions reached regarding the adequacy of the area.

For each area with a concern or findings, a discussion of the concerns or findings with technical bases.

**NOTE:** The contractor is not required to undertake any further efforts toward report finalization. For example, management review of the feeder report beyond its submittal to the NRC Team Leader and Project Manager is not required.

### Business Letter Report

The contractor shall provide monthly progress reports in accordance with the requirements of the basic contract.

## MEETINGS AND TRAVEL

For estimating purposes only, the following meetings and travel are anticipated:

One, one-person, 5-day trip to the Region IV office to prepare for the inspection (March 27-31, 2000). Off-normal travel permitted up to half-day for each contractor to ensure early arrival at business office on Monday morning.

Two, one-person, 5-day trips to the San Onofre site to conduct the initial inspection. (April 03-07, 2000; and April 14-21, 2000.) Off-normal travel permitted up to half-day for each contractor to ensure early arrival at plant site office on Monday morning.

The contractor's staff shall coordinate all travel arrangements in advance with the NRC Team Leader.

## DOCUMENTS FURNISHED MATERIAL

Documents required to prepare for the inspection will be provided by the NRC Team Leader.

## OTHER APPLICABLE INFORMATION

The work specified in this SOW is 100% licensee fee recoverable. The contractor shall provide fee recovery information in the monthly progress reports in accordance with the requirements of the basic contract.

The contractor's specialist assigned to this task order will have to be badged for unescorted access privilege at the plant site. Questions concerning badging and plant site access shall be addressed to the NRC Technical Monitor.

Beckman and Associates, Inc.  
Attn: Vicki Beckman  
1071 State Route 136  
Belle Vernon, PA 15012

SUBJECT: "TASK ORDER NO. 068 "SAN ONOFRE SAFETY SYSTEM DESIGN AND PERFORMANCE CAPABILITY INSPECTION (SSDPCI)" UNDER CONTRACT NO. NRC-03-98-021

Dear Ms. Beckman:

In accordance with Section G.5, Task Order Procedures, of the subject contract, this letter definitizes the subject task order. The effort shall be performed in accordance with the enclosed Statement of Work.

Task Order No. 068 shall be in effect from March 20, 2000, through May 12, 2000, with a cost ceiling of \$39,657.18. The amount of \$38,408.89 represents the estimated reimbursable costs, the amount of \$1,248.29 represents the fixed fee.

Accounting data for Task Order No. 068 is as follows:

B&R No.:	020-15-103-105
Job Code:	J-2548
BOC:	252A
APPN No.:	31X0200.020
FFS#:	NRR98021068
Oblig. Amt.:	\$39,657.18

The following individual is considered to be essential to the successful performance for work hereunder: Mr. Donald Prevatte. The Contractor agrees that such personnel shall not be removed from the effort under the task order without compliance with Contract Clause H.4, Key Personnel.

The issuance of this task order does not amend any terms or conditions of the subject contract.

STATEMENT OF WORK  
Task Order 068

TITLE: San Onofre Safety System Design and Performance Capability Inspection (SSDPCI)

PROJECT NUMBER: 50-361/362 B&R NUMBER: 020-15-103-105 JOB CODE: J-2548  
INSPECTION REPORT NUMBER:

PROJECT OFFICER: E. A. Kleeh, NRR (301) 415-2964  
TECHNICAL MONITOR: John Whittemore, Region IV (817) 860-8294

PERFORMANCE PERIOD: March 20, 2000 - May 12, 2000

BACKGROUND

Safety System Design and Performance Capability Inspection (SSDPCI) will be conducted for the San Onofre nuclear plant near San Clemente, California. The SSDPCI will assess the operational performance capability of selected safety system(s) to verify that the system is capable of performing its intended safety function. The inspection will assess the licensee's engineering effectiveness through an in-depth review of calculations, analysis, and other engineering documents used to support system performance during normal and accident or abnormal conditions. The inspection will also verify completed actions for regulatory commitments that the licensee made in conjunction with the safety systems. Draft NRC Pilot Inspection Procedure 71111-21 "Safety System Design and Performance Capability will provide the primary basis for the review conducted during this inspection.

OBJECTIVE

The objective of this task order is to obtain expert technical assistance in the area of mechanical design. The specialist is needed to assist the NRC inspection team in the performance of the SSDPCI. The mechanical specialist should primarily have a design background, such as from an architect-engineer or consulting firm with experience in design, analysis, installation, and testing of closed and open-loop fluid systems and HVAC Systems for nuclear power plants. This inspection will examine as a minimum the operation of HVAC systems at San Onofre nuclear units so the specialist should have relevant experience in the design and operation of HVAC systems. **The specialist should be thoroughly familiar with NRC regulations, inspection methodology, and the current NRC risk-informed inspection program in order to be eligible for participation in this inspection.** It is preferred that specialist have prior experience on NRC inspections that specifically reviewed design basis and detailed design of nuclear plant safety systems.

It shall be the responsibility of the contractor to assign technical staff, employees, and subcontractors, who have the required educational background, experience, or combination thereof, to meet both the technical and regulatory objectives of the work specified in this Statement Of Work (SOW). The NRC will rely on representation made by the contractor concerning the qualifications of the personnel proposed for assignment to this task order including assurance that all information contained in the technical and cost proposals, including resumes and conflict of interest disclosures, is accurate and truthful.

WORK REQUIREMENTS AND SCHEDULE

The contractor shall provide the qualified specialist, and the necessary facilities, materials, and services to assist the NRC staff in preparing for, conducting, and documenting the inspection activities and findings. **The contractor shall provide the latest rad-worker training; drug/alcohol test; and Minnesota Multiphase Personality Inventory (MMPI) test results of the specialist that will assist in the SSDPCI at San Onofre to the NRC Project Officer with the submittal of this proposal.** The Technical Monitor/Team Leader for this task is John Whittemore. The Technical Monitor may issue technical instructions from time to time during the duration of this task order. Technical instructions must be within the general statement of work stated in this task order and shall not constitute new assignments of work or changes of