

## ORDER FOR SUPPLIES OR SERVICES

PAGE OF PAGES  
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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

BPA NO.

1. DATE OF ORDER  
09-29-2003

2. CONTRACT NO. (If any)

6. SHIP TO:

3. ORDER NO.  
DR-03-02-035, Mod. 3

MODIFICATION NO.

4. REQUISITION/REFERENCE NO.  
NRR02035 (I)a. NAME OF CONSIGNEE  
U.S. Nuclear Regulatory Commission  
Office of Nuclear Reactor Regulation

5. ISSUING OFFICE (Address correspondence to)

U.S. Nuclear Regulatory Commission  
ATTN: T-7-I-2  
Division of Contracts  
Contract Management Center 1  
Washington DC 20555

b. STREET ADDRESS

MailStop: 0-9-E3  
Attn: Bernard Grenier

c. CITY

Washington

d. STATE

DC

e. ZIP CODE

20555

7. TO

f. SHIP VIA

a. NAME OF CONTRACTOR

Dr. Carl J. Costantino, P.E.

b. COMPANY NAME

Engineering Consultant

8. TYPE OF ORDER

☒ a. PURCHASE ORDER☐ b. DELIVERY/TASK ORDER

Reference your 07/24/03 quotation

Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated

Except for billing instructions on the reverse, this delivery/task order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.

c. STREET ADDRESS

4 Rockingham Road

d. CITY

Spring Valley

e. STATE

NY

f. ZIP CODE

10977

9. ACCOUNTING AND APPROPRIATION DATA

\$8,134.80; 10. REQUISITIONING OFFICE NRR

B&R#: 320-15-115-103 Job Code#: J3014 BOC#: 252A  
APP#: 31X0200.320

Office of Nuclear Reactor Regulation

11. BUSINESS CLASSIFICATION (Check appropriate box(es))

☒ a. SMALL☐ b. OTHER THAN SMALL☐ c. DISADVANTAGED☐ d. WOMEN-OWNED

12. F.O.B. POINT

Destination

14. GOVERNMENT B/L NO.

N/A

15. DELIVER TO F.O.B. POINT

ON OR BEFORE

SEE BELOW

16. DISCOUNT TERMS

N/A

13. PLACE OF

FOR INFORMATION CALL: (No collect calls)

a. INSPECTION

b. ACCEPTANCE

Mona C. Selden  
(301) 415-7907

N/A

17. SCHEDULE (See reverse for Rejections)

See CONTINUATION Page

ITEM NO. (A)	SUPPLIES OR SERVICES (B)	QUANTITY ORDERED (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)	QUANTITY ACCEPTED (G)
	This confirms the verbal authorization that was given, effective 07/24/03, with a temporary ceiling of \$4,000.00, to continue the performance of work, thereby extending the period of performance through 11/28/03. Modification No. 3 revises the Statement of Work (SOW) in accordance with the attached SOW (Attachment 1); increases the number of hours for Line Item No. 1 from 368 hours to 392 hours; increases the number of hours for Line Item No. 2 from 216 hours to 248 hours; increases travel costs from \$10,500.00 to \$11,830.00; increases the Total Ceiling by \$8,134.80, from \$87,258.40 to \$95,393.20; and extends the period of performance through 11/28/03. The purchase order is modified as follows:					
1.	Geotechnical/Earthquake Engineer				\$47,432.00	
2.	Structural/Earthquake Engineer				\$30,231.20	
3.	Structural Engineer				\$5,896.00	

18. SHIPPING POINT

19. GROSS SHIPPING WEIGHT

20. INVOICE NO.

\$8,134.80; SUBTOTAL

21. MAIL INVOICE TO:

SEE BILLING  
INSTRUCTIONS  
ON  
REVERSEa. NAME  
U.S. Nuclear Regulatory Commission  
Attn: T-7-I-2b. STREET ADDRESS (or P.O. Box)  
Division of Contracts  
Contract Management Center 1c. CITY  
Washingtond. STATE  
DCe. ZIP CODE  
2055517(h)  
TOTAL  
(Cont.  
pages)17(i).  
GRAND  
TOTAL

\$8,134.80

22. UNITED STATES OF AMERICA  
BY (Signature)

23. NAME (Typed)

Sharon D. Stewart

TITLE: CONTRACTING/ORDERING OFFICER

TEMPLATE - ADM001

ADM002 OPTIONAL FORM 347 (5/95)

ORDER FOR SUPPLIES OR SERVICES  
SCHEDULE - CONTINUATION

PAGE NO  
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IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER

CONTRACT NO.

ORDER NO.

09-29-2003

DR-03-02-035, Mod. 3

ITEM NO (A)	SUPPLIES OR SERVICES (B)	QUANTITY ORDERED (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)	QUANTITY ACCEPTED (G)
4	TOTAL ESTIMATED TRAVEL COSTS NOT-TO-EXCEED \$11,830.00					

\$11,830.00

Total Estimated Ceiling: \$95,393.20

Previous Obligation amount: \$87,258.40  
FY'03 funds obligated by this action: \$ 8,134.80

Total funds obligated to date: \$95,393.20  
This order is fully funded.

Period of Performance: 07/26/02 through 11/28/03.

All other terms and conditions remain the same.

TOTAL CARRIED FORWARD TO 1ST PAGE (ITEM 17(H))

This confirms the verbal authorization that was provided on 07/24/03, with a temporary ceiling of \$4,000.00. The purpose of this modification is to: (1) revise Task 7 and Task 8, and add Task 9; (2) add a trip to Pittsburgh, PA in order to perform an audit of Westinghouse's revised analysis and design reports; (3) extend the period of performance; (4) revise the Deliverables for Tasks 7 and 8 and add the Deliverables for Task 9; and (5) add NRC Furnished Materials. As a result of these changes, the level of effort is increased by 56 hours. The purchase order Statement of Work is modified as follows:

- (1) Under the section entitled, "Work Requirements and Schedule" Tasks 7 and 8 are deleted entirely and replaced with the following Tasks 7 and 8. Add Task 9 as stated below.

#### **WORK REQUIREMENTS AND SCHEDULE**

##### **Tasks**

##### **Completion Schedule**

##### **TASK 7**

Review Westinghouse's response to open items including supporting bases and revisions to DCD Sections 2.5, 3.7.1, 3.7.2, and 3.8.5. Determine if the DSER open and confirmatory items are adequately addressed. Prepare a technical letter report.

On the date established by the NRC Technical Monitor

##### **TASK 8**

Prepare for and travel to Pittsburgh, PA to participate in an NRC review team to:

One week after the trip.

(a) Audit the revised analysis reports and design calculations to determine the design adequacy of the AP1000.

(b) Evaluate the information to be provided by Westinghouse for addressing outstanding issues resulting from Task 7 and determine if these issues are adequately addressed.

(c) Prepare a technical letter report.

## **TASK 9**

Based on the work performed, prepare a technical letter report.

### **Completion Schedule**

(a) Draft

Three weeks completion of Task 8.

(b) Incorporate NRC's comments and prepare a final report.

Two weeks after receipt of NRC's comments.

- (2) The section entitled, "Period of Performance" is deleted entirely and replaced with the following:

### **PERIOD OF PERFORMANCE**

The period of performance is July 26, 2002, through November 28, 2003.

- (3) The section entitled, "Deliverables" is revised as follows:

### **DELIVERABLES**

### **TECHNICAL REPORTING REQUIREMENTS**

## **TASK 7**

After completion of Task 7, submit a letter report that contains, for each area of the DCD that has been revised and for each open and confirmatory item, a summary of Westinghouse's position(s) for resolution, a technical evaluation and the recommended conclusions, including the basis for the conclusions.

## **TASK 8**

After completion of Task 8, submit a trip report that contains a summary of documents audited, audit results of the seismic analysis report and design calculations, a summary of meeting discussions with Westinghouse, and, for each open and confirmatory item, a summary of Westinghouse's position for resolution, a technical evaluation and the recommended conclusions, including the basis for the conclusions.

## **TASK 9**

After completion of Task 9, submit a technical letter report, draft and final as appropriate, that contains an evaluation of Westinghouse's responses to the open and confirmatory items, a summary of Westinghouse's positions for resolutions, a technical evaluation and the recommended conclusions, including the basis for the conclusions, a summary of the evaluation of Westinghouse's basis for the DCD (DCD Sections 2.5, 3.7.1, 3.7.2 and 3.8.5)

revisions including the conclusions and the basis for the conclusions, and, based on the works performed, the input for updating the DSER Sections 2.5, 3.7.1, 3.7.2 and 3.8.5.

- (4) The section entitled, "Meetings and Travel" is revised as follows:

**MEETINGS AND TRAVEL**

Delete one, two-person, three-day trip to NRC, Rockville, Md. (Task 6)

Add one, two-person, four-day trip to Westinghouse, Monroeville, Pa. (Task 7)

- (5) The section entitled, "NRC Furnished Materials" is revised as follows:

**NRC FURNISHED MATERIALS**

The following additional items will be sent to the contractor by July 18, 2003:

(a) CD-ROMs containing Revisions 5 and 6 of AP1000 Design Control Document (DCD) Sections 3.8.2, 3.8.3, 3.8.4, and 3.8.5.

(b) CD-ROMs containing future revisions of AP1000 Design Control Document (DCD) Sections 3.8.2, 3.8.3, 3.8.4, and 3.8.5. (Future revisions of the DCD are to be provided after submitted by Westinghouse.)

(c) CD-ROM containing AP1000 DSER (WordPerfect Files).

(d) A 3.5" Diskette containing AP1000 DSER Sections 3.8.2, 3.8.3, 3.8.4, and 3.8.5.

(e) Westinghouse's responses to open items dated June 23 and 24, 2003.

(f) Westinghouse's responses to RAIs dated March 17, April 22, April 23, May 7, May 13 and May 21 of 2003.

(g) Westinghouse's response to the remaining open items will be provided when submitted.

All other terms and conditions remain the same.