

## AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE

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2. AMENDMENT/MODIFICATION NO.

4

3. EFFECTIVE DATE

1/1/86

4. REQUISITION/PURCHASE REQ. NO.

RG2- 83-624

5. PROJECT NO. (If applicable)

6. ISSUED BY

CODE

7. ADMINISTERED BY (If other than Item 6)

CODE

U.S. Nuclear Regulatory Commission  
Division of Contracts  
Washington, DC 20555

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

South Carolina Department of Health and Environmental  
Control  
2600 Bull Street  
Columbia, SC 29201

9A. AMENDMENT OF SOLICITATION NO.

9B. DATED (SEE ITEM 11)

10A. MODIFICATION OF CONTRACT/ORDER NO.

NRC-29-83-624

10B. DATED (SEE ITEM 13)

2/9/83

CODE

FACILITY CODE

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) FIN B8403

APPN No. 31X0200.926

B&amp;R No. 92193002

Amount: \$62,500.00

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

☒ 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 Mutual Agreement of the Parties

D. OTHER (Specify type of modification and authority)

B601090737 851220  
PDR CONTR  
NRC-29-83-624 PDR

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 extend the period of performance, provide CY1986 funds, change appropriation number, and to incorporate the new revised Attachment I. Therefore, the subject agreement is revised as follows:

1. Article III, Period of Performance, Paragraph A, is revised to read as follows:

"A. The period of performance hereunder shall commence on January 1, 1983 and shall continue through December 31, 1988, unless sooner terminated or extended, as herein provided."

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)

R. LEWIS SHAW, P.E., Deputy Commissioner  
Environmental Quality Control--SC DHEC

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

Paul J. Edgeworth

15B. CONTRACTOR/OFFEROR

R. Lewis Shaw  
(Signature of person authorized to sign)

15C. DATE SIGNED

Dec. 20, 1985

16B. UNITED STATES OF AMERICA

BY (Paul J. Edgeworth)  
(Signature of Contracting Officer)

16C. DATE SIGNED

12/20/85

2. Article V, Consideration and Payment, Paragraphs A.1 and 3 are revised as follows:

A. Consideration

1. The Commission has provided funds to the State in the amount of \$152,625.00 for the three year period of performance, CY1983 through CY1985, in accordance with a through h below. Funds in the amount of \$62,500.00 are hereby provided to the State to cover performance for CY1986 in accordance with i below. The Commission will provide funds subject to the availability of appropriation to the State in the amount of \$133,700.00 during the remaining two year period of performance for CY1987 through CY1988 in accordance with j through k below. The rate of payment for i through k below will be as follows:

- a. CY1983 - \$ 9,600.00 per site, per year/environmental media program
- b. CY1983 - \$ 4,800.00 per site, per year/modified environmental media program
- c. CY1983 - \$ 1,300.00 per site, per year/TLD program
- d. CY1984 - \$10,600.00 per site, per year/environmental media program  
CY1984 - \$ 5,300.00 per site, per year/modified environmental media program
- e. CY1984 - \$ 1,450.00 per site, per year/TLD program
- f. CY1985 - \$11,700.00 per site, per year/environmental media program
- g. CY1985 - \$ 5,850.00 per site/modified environmental media program
- h. CY1985 - \$ 1,600.00 per site/TLD program
- i. CY1986 - \$12,000.00 per site, per year/environmental media program  
\$ 1,700.00 per site, per year/TLD program  
\$ 6,000.00 per site, per year/modified environmental media program
- j. CY1987 - \$12,600.00 per site, per year/environmental media program  
\$ 1,800.00 per site, per year/TLD program  
\$ 6,300.00 per site, per year/modified environmental media program
- k. CY1988 - \$13,000.00 per site, per year/environmental media program  
\$ 1,900.00 per site, per year/TLD program  
\$ 6,500.00 per site, per year/modified environmental media program

2. The amount presently obligated by the Commission with respect to this cooperative agreement for CY1986 is \$62,500.00.

3. Attachment I of the basic cooperative agreement is hereby deleted in its entirety, and the new attached Attachment I is substituted in lieu thereof.

4. The APPN No. "31X0200.925" cited in Block No. 12, Accounting and Appropriation Data, is changed to APPN No. "31X0200.926."

All other terms and conditions of this cooperative agreement remain unchanged.

# ATTACHMENT 1

## ENVIRONMENTAL RADIOLOGICAL VERIFICATION MONITORING PROGRAM AROUND NUCLEAR POWER PLANTS

| <u>Exposure Pathway<br/>and/or Sample</u> | <u>Number of Samples<br/>and Location</u>  | <u>Sampling and<br/>Collection Frequency</u>   | <u>Type and Frequency<br/>of Analysis</u>  |
|---|--|--|--|
| AIRBORNE:                                 |  |  |  |
| Particulates                              | One sample from location of highest calculated ground level concentration and in close proximity of licensee sampler.<br><br>One sample from control location.   | Continuous operation of sampler with sample collection weekly for two weeks out of each month and biweekly for one sample per month. | Gross beta radioactivity following filter change; composite for gamma isotopic analysis quarterly. |
| Radioiodine                               | Same as particulates.  | One sample per month.  | Analyze for I-131  |
| WATERBORNE:                               |  |  |  |
| Surface                                   | One sample, split with licensee, from immediate area of discharge, (or at nearest downstream drinking water supply) and one sample at upstream control location. | Composite sample monthly. <sup>a</sup>   | Gamma isotopic analysis monthly and tritium quarterly.   |
| INGESTION:                                |  |  |  |
| Milk                                      | One sample, split with licensee, at the off-site dairy farm or individual milk animal at the location having highest X/Q.  | Monthly.   | Gamma isotopic and radioiodine analyses.   |
| Fish or<br>Invertebrates                  | One sample, split with licensee, of a commercially or recreation-ally important species in vicinity of discharge point.  | Semiannually or in season.   | Gamma isotopic of edible portions.   |

- a. For I-131 analyses of drinking water supplies, samples shall be composited over a maximum period of two weeks.

## Attachment 1 (cont'd)

| <u>Exposure Pathway<br/>and/or Sample</u>    | <u>Number of Samples<br/>and Location</u>   | <u>Sampling and<br/>Collection Frequency</u> | <u>Type and Frequency<br/>of Analysis</u>                              |
|--|---|--|--|
| Food Products<br>or Broad-leaf<br>Vegetation | Two samples split with licensee,<br>of principal food products<br>grown near point having the<br>highest X/Q or from any area<br>which is irrigated by water in<br>which liquid plant wastes have<br>been discharged or green leafy<br>vegetables at a private garden<br>or farm in the immediate area<br>of the plant.   | At time of harvest.                          | Gamma isotopic on<br>edible portion or<br>on green leafy<br>vegetable. |
| Sediment from<br>Shoreline                   | One sample split with licensee  | Annually                                     | Gamma isotopic analysis.   |
| TLD-Direct<br>Radiation                      | a. TLD badges in 16 sectors<br>around plant site at two<br>distances from site<br>boundary:<br>1) Site boundary out to<br>1 mile<br>2) Two (2) to 4 miles from<br>site boundary.<br>b. Population centers within 10<br>miles.<br>c. Maximum exposed residences<br>within 3 miles.<br>d. High public interest sites<br>within 5 miles.<br>e. Background control site (3)<br>greater than 15 miles from<br>plant. | Quarterly                                    | Analyses to be performed<br>by Commission.                             |