

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. AMENDMENT/MODIFICATION NO. 4	2. EFFECTIVE DATE 7/1/81	3. ACQUISITION/PURCHASE REQUEST NO.	4. PROJECT NO. (If applicable)
5. ISSUED BY CODE		6. ADMINISTERED BY (If other than block 5) (Title)	
U. S. Nuclear Regulatory Commission Division of Contracts Washington, D 20555			

7. CONTRACTOR NAME AND ADDRESS CODE	FACILITY CODE	8. AMENDMENT OF SOLICITATION NO.
Commonwealth of Pennsylvania Department of Environmental Resources Bureau of Radiation Protection P. O. Box 2063 Harrisburgh, PA 17120		
(Street, city, county, state, and ZIP Code)		DATED (See block 9)
		<input checked="" type="checkbox"/> MODIFICATION OF CONTRACT/ORDER NO. NRC-05-80-272
		DATED 4/14/80 (See block 11)

9. THIS BLOCK APPLIES ONLY TO AMENDMENTS OF SOLICITATIONS

The above numbered solicitation is amended as set forth in block 12. The hour and date specified for receipt of Offers  is extended,  is not extended. Offerors 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 signing and returning \_\_\_\_\_ copies of this 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 ACKNOWLEDGEMENT TO BE RECEIVED AT THE ISSUING OFFICE 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 such telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

10. ACCOUNTING AND APPROPRIATION DATA (If required)

31X0200.301    B&R No. 30-19-04-03    FIN No. B5111    \$1,100.00

11. THIS BLOCK APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS

(a)  This Change Order is issued pursuant to \_\_\_\_\_  
The Changes set forth in block 12 are made to the above numbered contract/order.

(b)  The above numbered contract/order is modified to reflect the administrative changes (such as changes in paying office, appropriation data, etc.) set forth in block 12.

(c)  This Supplemental Agreement is entered into pursuant to authority of 41 U.S.C. 252(c)(10)  
It modifies the above numbered contract as set forth in block 12.

12. DESCRIPTION OF AMENDMENT/MODIFICATION

The purpose of this modification is to provide for the addition of TLD monitoring around the Susquehanna Station and the Three Mile Island Station under this Cooperative Agreement effective July 1, 1981.

Accordingly, the following changes are made:

I. Article V - Consideration and Payment, Paragraph A, Consideration, the following changes are made:

A. Subparagraph 1. is deleted in its entirety and the following new subparagraph 1. is substituted in lieu thereof:

"1. The Commission will provide funds, subject to the availability of appropriation, to the State in the amount

Except as provided herein, all terms and conditions of the document referenced in block 8, as heretofore changed, remain unchanged and in full force and effect.

13. <input type="checkbox"/> CONTRACTOR/OFFEROR IS NOT REQUIRED TO SIGN THIS DOCUMENT		<input checked="" type="checkbox"/> CONTRACTOR/OFFEROR IS REQUIRED TO SIGN THIS DOCUMENT AND RETURN <u>4</u> COPIES TO ISSUING OFFICE	
14. NAME OF CONTRACTOR/OFFEROR BY <u>Thomas M. Gerusky</u> (Signature of person authorized to sign)		17. UNITED STATES OF AMERICA BY <u>[Signature]</u> (Signature of Contracting Officer)	
15. NAME AND TITLE OF SIGNER (Type or print) Thomas M. Gerusky, Director Bureau of Radiation Protection	16. DATE SIGNED 8-31-81	18. NAME OF CONTRACTING OFFICER (Type or print) Kelllogg V. Morton	19. DATE SIGNED 9-8-81

of \$104,800.00 during the three (3) year period of performance. The rate of payment to the State will be as follows:

CY 1980 - \$7,200.00 per site, per year/  
environmental media program

CY 1980 - \$750.00 per site, per year/  
TLD program

CY 1981 - \$7,900.00 per site, per year/  
environmental media program

CY 1981 - \$1,100.00 per site, per year/  
TLD program

CY 1982 - \$8,700.00 per site, per year/  
environmental media program

CY 1982 - \$1,200.00 per site, per year/  
TLD program

- B. Subparagraph 3., as modified, is deleted in its entirety and the following new subparagraph 3. is substituted in lieu thereof:

'The amount obligated by the Commission in this Modification No. 4 is \$1,100.00. The total amount obligated by the Commission under this Cooperative Agreement since its inception is \$65,200.00.'

- ii. Attachment A, Statement of Work, the following changes are made:

Paragraph II, General Requirements, Paragraph B is changed to include the following site:

"Susquehanna Steam Electric Station"

- iii. The contract amount is hereby increased by \$3,500.00 from \$101,300.00 to \$104,800.00 by reason of this Modification No. 4.

<u>Exposure Pathway and/or Sample</u>	<u>Number of Samples and Location</u>	<u>Sampling and Collection Frequency</u>	<u>Type of Frequency of Analysis</u>
Food Products	Two samples split with licensee, of principal food products grown near point having the highest X/Q <u>or</u> from any area which is irrigated by water in which liquid plant wastes have been discharged <u>or</u> green leafy vegetables at a private garden or farm in the immediate area of the plant.	At time of harvest.	Gamma isotopic on edible portion. Radioiodine analysis on green leafy vegetable.
Sediment from Shoreline	One sample split with licensee.	Annually.	Gamma isotopic analysis.
TLD-Direct Radiation	I. a. TLD badges in 16 sectors around plant site at two distances from site boundary:	Quarterly.	Analyses to be performed by Commission.
Beaver Valley	1) Site boundary out to 1 mile		
Peach Bottom	2) Two (2) to 4 miles from site boundary.		
Susqueanna	b. Population centers within 10 miles. c. Maximum exposed residences within 3 miles. d. High public interest sites within 5 miles e. Background control site (3) greater than 15 miles from plant.		
TMI	II. a. TLD badges at 60 existing stations.	Quarterly.	Analyses to be performed by Commission.