

1. AMENDMENT/MODIFICATION NO. 2	2. EFFECTIVE DATE 8/19/82	3. REQUISITION/PURCHASE REQUEST NO. RES-81-178 dtd 8/19/82	4. PROJECT NO. (If applicable)
5. ISSUED BY U. S. Nuclear Regulatory Commission Division of Contracts Washington, DC 20555		6. ADMINISTERED BY (If other than block 5)	

7. CONTRACTOR NAME AND ADDRESS Battelle Memorial Institute Columbus Laboratories ATTN: Mr. John E. Davis 505 King Avenue Columbus, OH 43201	8. <input type="checkbox"/> AMENDMENT OF SOLICITATION NO. _____ DATED _____ (See block 9) <input checked="" type="checkbox"/> MODIFICATION OF CONTRACT/ORDER NO. NRC-04-81-178 DATED 9/16/81 (See block 11)
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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)

B&R No. **601921** FIN No. **B7027** Amount: **\$51,743.00**

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 **the mutual agreement of both parties**
It modifies the above numbered contract as set forth in block 12.

12. DESCRIPTION OF AMENDMENT/MODIFICATION

A. Regarding ARTICLE I - STATEMENT OF WORK

The following Task 7 and Task 8 are hereby added and made a part hereof consistent with BCL Proposal No. 625-J-7358X.

TASK 7: Between the date when this task becomes effective and May 31, 1983, the contractor will acquire and store available service degraded piping that NRC deems useful for future testing. This task includes submitting to NRC a detailed description of available piping identified under task 2 of the existing contract (NRC-04-81-178) as potentially

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 3 COPIES TO ISSUING OFFICE			
14. NAME OF CONTRACTOR/OFFEROR BY Donald H. Owen <small>(Signature of person authorized to sign)</small>		17. UNITED STATES OF AMERICA BY Raymond P. Gustave <small>(Signature of Contracting Officer)</small>	
15. NAME AND TITLE OF SIGNER (Type or print) 8210190087 820924 PDR CONTR NRC-04-81-178 PDR	16. DATE SIGNED 8/19/82	18. NAME OF CONTRACTING OFFICER (Type or print) Raymond P. Gustave	19. DATE SIGNED 9/2/82

useful for future testing. This description should include pipe dimensions, material type, flaw location and geometry, and radioactive contamination level. Upon receiving NRC agreement that the pipe will be useful for future testing the contractor will provide a complete cost estimate for acquiring, shipping, and storage of the pipe. Then upon final NRC approval, the contractor will proceed to acquire and store the piping until NRC provides guidance regarding its final disposition.

TASK 8: Between the date when this task becomes effective and May 31, 1983, the contractor will, at NRC's direction, prepare for and participate in professional meetings on the subject of piping fracture mechanics with NRC, NRC contractors, and other research organizations. The contractor's participation in these meetings will include presentation and discussion of the results of the Phase I Degraded Piping Program. One such meeting the contractor will be expected to participate in is the 10th NRC Safety Research Information Meeting to be held during the week of October 12-15, 1982, in Gaithersburg, Maryland. The contractor is expected to prepare a written paper and make a formal presentation on the work accomplished in the Phase I Degraded Piping Program at this meeting.

B. Regarding ARTICLE II - PERIOD OF PERFORMANCE

The period of performance is extended by eight months for a completion date of May 31, 1983.

C. Regarding ARTICLE III - CONSIDERATION AND PAYMENT, Part A. Estimated Cost, Fixed Fee and Obligation

1) Paragraph 1. is deleted in its entirety and replaced by the following new paragraph 1.

"1. It is estimated that the total cost to the Government for full performance of this contract will be \$448,743.00 of which the sum of \$411,920.00 represents the estimated reimbursable costs and of which \$36,823.00 represents the fixed fee."

2) The amount in paragraph 3. is increased by \$51,743.00 for a revised ceiling of \$448,743.00.