

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

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2. AMENDMENT/MODIFICATION NO. <p style="text-align: center;">Three (3)</p>	3. EFFECTIVE DATE <p style="text-align: center;">1/31/91</p>	4. REQUISITION/PURCHASE REQ. NO. <p style="text-align: center;">PES-89-090 etd 1/16/91</p>	5. PROJECT NO. (if applicable)
6. ISSUED BY U.S. Nuclear Regulatory Commission Division of Contracts & Property Management Washington, D.C. 20555		7. ADMINISTERED BY (if other than Item 6) 	

8. NAME AND ADDRESS OF CONTRACTOR (No., street, county, State and ZIP Code) Hydrogeologic, Inc. 1165 Herndon Parkway Suite 900 Herndon, VA 22070	(f)	9A. AMENDMENT OF SOLICITATION NO. 9B. DATED (SEE ITEM 11) 10A. MODIFICATION OF CONTRACT/ORDER NO. <p style="text-align: center;">X nrc-04-89-090</p> 10B. DATED (SEE ITEM 12) <p style="text-align: center;">9/29/89</p>
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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 make 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)
 APPN NO: 31X0200.601 B&R No: 1601925040 FIN NO: L12731 Obligation: \$15,000.00

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

(f)	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 act, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(D).
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER (Specify type of modification and authority)

X Changes Clause 52-243-1

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 DCP section headings, including solicitation/contract subject matter where feasible.)

Please see the following page

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as hereinafore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print) <p style="text-align: center;">Peter S. Huyakorn, President</p>	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print) <p style="text-align: center;">Sharon Bell, Contracting Officer</p>
15B. CONTRACTOR OFFICER <p style="text-align: center;">Peter S. Huyakorn</p>	16B. UNIT/STATE OF AGENCY <p style="text-align: center;">Sharon Bell</p>
15C. DATE SIGNED <p style="text-align: center;">1/31/91</p>	16C. DATE SIGNED <p style="text-align: center;">1/31/91</p>

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This modification accomplishes the following:

1. Revises the contract Statement of Work for performance of within scope changes;
2. Raises the contract price;
3. Provides funds in the amount of \$15,000;
4. Extends the contract period of performance;
5. Changes the contractor's address.

Therefore, the following changes are made as follows:

1. Section C.1 entitled STATEMENT OF WORK, is revised to include efforts as set forth in ATTACHMENT I - Phase II of this Modification No. 3.
2. Section B.2 entitled CONSIDERATION AND OBLIGATION--FIRM FIXED PRICE is revised to read as follows:

"The firm fixed price of this contract is \$149,972.24."

3. Section F.5 DURATION OF THE CONTRACT PERIOD is revised to read:

"This contract shall commence on the date of award (9/29/89) and expire on June 30, 1991."

4. The contractor's address shall be changed to the address shown in Block 8 of the Standard Form 30 for this Modification No.3.

All other terms and conditions remain unchanged.

4.2 Phase II

4.2.1 Schedule

The proposed work for Phase II will cover a period of 2 months (9 weeks). The proposed milestone schedule is as follows:

Task	Completion (week)
II-1) Evaluate sensitivity of transport predictions to source configuration and release rates	2
II-2) Perform simulations for anticipated future conditions	4
II-3) Submit draft report for Phase II to NRC	6
II-4) Submission of combined final report for Phase I and II	9

4.2.2 Deliverables

Deliverables for Phase II of this project are as follows:

- Combined final report for Phase I and II, and incorporating any comments and revisions received from NRC staff on the separate Phase I report and draft Phase II report
- VAM2D code, data sets and documentation A machine-readable copy of the VAM2D code used in the simulations will be transmitted to the NRC staff, together with copies of the input data sets used in the simulation runs, as well as documentation for any modification made to the VAM2D computer code during the Phase II project.