

STANDARD FORM, 26, JULY 1966 GENERAL SERVICES ADMINISTRATION FED. PROC. REG. (41CFR) 1-16.101		AWARD/CONTRACT		PAGE 1	OF 5
1. CONTRACT (Proc. Inst. Ident.) NO NRC-05-81-258		2. EFFECTIVE DATE 8/7/81		3. REQUISITION/PURCHASE REQUEST/PROJECT NO. RFPA OIE-81-258	
4. CERTIFIED FOR NATIONAL DEFENSE UNDER DDA REG. 2 AND/OR DMS REG. 1 RATING		5. ISSUED BY CODE		6. ADMINISTERED BY (If other than block 5)	
US Nuclear Regulatory Commission Division of Contracts Administrative Contracts Branch, SPS Washington, DC 20555		7. DELIVERY FOB DESTINATION <input type="checkbox"/> OTHER (See below) <input type="checkbox"/>			
8. CONTRACTOR NAME AND ADDRESS (Street, city, country, State, and ZIP code)		9. DISCOUNT FOR PROMPT PAYMENT		10. SUBMIT INVOICES (4 copies unless otherwise specified) TO ADDRESS SHOWN IN BLOCK 12	
Phoenix Associates, Inc. 4720 Montgomery Lane, Suite 600 Washington, DC 20014					
11. SHIP TO/MARK FOR CODE		12. PAYMENT WILL BE MADE BY CODE			
US Nuclear Regulatory Commission ATTN: Bernard Weiss, Chief, IRB Washington, DC 20555		US Nuclear Regulatory Commission Office of the Controller Washington, DC 20555			
13. THIS PROCUREMENT WAS <input type="checkbox"/> ADVERTISED, <input checked="" type="checkbox"/> NEGOTIATED PURSUANT TO: <input type="checkbox"/> 10 U.S.C. 2304 (a)(1) <input checked="" type="checkbox"/> 41 U.S.C. 252 (c)(3)					
14. ACCOUNTING AND APPROPRIATION DATA B&R: 30-19-03-01 FIN: B1289 Appn: 31X0200.301 - \$9,857.00					
15. ITEM NO.	16. SUPPLIES/SERVICES	17. QUANTITY	18. UNIT	19. UNIT PRICE	20. AMOUNT
	Meteorological and Dose Assessment Acquisition System	Firm-Fixed-Price.....			\$9,857.00
21. TOTAL AMOUNT OF CONTRACT \$ \$9,857.00					
CONTRACTING OFFICER WILL COMPLETE BLOCK 22 OR 26 AS APPLICABLE					
22. <input checked="" type="checkbox"/> CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return 3 copies to issuing office.) Contractor agrees to furnish and deliver all items or perform all the services set forth or otherwise identified above and on any continuation sheets for the consideration stated herein. The rights and obligations of the parties to this contract shall be subject to and governed by the following documents: (a) this award/contract; (b) the solicitation, if any; and (c) such provisions, representations, certifications, and specifications, as are attached or incorporated by reference herein. (Attachments are listed herein.)			26. <input type="checkbox"/> AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number _____, including the additions or changes made by you which additions or changes are set forth in full above, is hereby accepted as to the items listed above and on any continuation sheets. This award consummates the contract which consists of the following documents: (a) the Government's solicitation and your offer, and (b) this award/contract. No further contractual document is necessary.		
23. NAME OF CONTRACTOR BY Jack C. Feasterstock (Signature of person authorized to sign)			27. UNITED STATES OF AMERICA BY Joyce Perlman (Signature of Contracting Officer)		
24. NAME AND TITLE OF SIGNER (Type or print) Jack C. Feasterstock President		25. DATE SIGNED 8/7/81		28. NAME OF CONTRACTING OFFICER (Type or print) JOYCE PERLMAN	
8108310031 810807 PDR CONTR NRC-05-81-258 PDR				29. DATE SIGNED 8/7/81	

ARTICLE I - BACKGROUND

The Nuclear Regulatory Commission (NRC), as part of its responsibility for protecting the health and safety of the public, must be capable of assessing the potential radiological consequences of a nuclear event. In order to make any reasonable radiological assessment, the NRC must use the best available meteorological data in its analysis.

Title 10 CFR Part 50.47 requires that the Licensee's Emergency Plan shall provide "adequate methods, systems, and equipment for assessing and monitoring actual or potential offsite consequences of a radiological emergency condition. . ." The basic criteria needed to comply with the meteorological aspects of the requirements are listed in Appendix 2 of NUREG-0654.

In addition, Appendix E to 10 CFR 50 states that there shall be "Provisions for communications by the licensee with the NRC Headquarters and the appropriate NRC Regional Office Operations Center from the Nuclear Power reactor control room, the onsite technical support center, and the near-site emergency operations facility" and ". . . among the nuclear facility, the principal State and local emergency operations centers. . ."

Also, NUREG-0696 addresses the functional criteria of emergency response facilities and presents sample configurations of the data flow and NUREG-0737 clarifies and outlines the purpose for these assessments.

It is planned that the NRC Mini-Computer facility (Data General Eclipse and associated peripheral equipment), located in Bethesda, Maryland, will be the primary computer system relied on by the Incident Response Teams located at Headquarters with a backup capability provided by the NIH computer facility (IBM 370/165), also located in Bethesda, Maryland.

The primary purpose of this effort is the development of a general design for the hardware and software configuration to be located at the Operations Center in Headquarters; identification of specific hardware and software packages for NRC use in interrogation; retrieval and display of meteorological and dose assessment data generated by the licensee as required by Appendix 2 of NUREG-0654, Revisions 1.

ARTICLE II - SCOPE OF WORK

The scope of this effort encompasses the mission of the Operations Center and the responsibilities of the NRC in protecting the health and safety of the public as it relates to the Incident Response Program.

The Contractor shall visit NRC Headquarters to meet with those individuals involved in the implementation of the meteorological data system (most of these personnel are in the Division of Emergency Preparedness in the Office

of Inspection and Enforcement and in the Accident Evaluation Branch in the Office of Nuclear Reactor Regulation), and to meet with ADPs personnel and review the NRC computer system hardware and software capabilities.

Work Statement

Task 1 - The Contractor shall study and evaluate the functions of the Incident Response Technical Teams and Executive Team to determine their requirement for meteorological and dose assessment data in relationship to their functions as outlined in Report to Congress: NRC Incident Response Plan.

In addition, the Contractor shall meet with ADPs personnel and tour the NRC Mini-Computer facility and the NIH Computer facility in order to evaluate the present hardware and software capability as a means on which they would base any recommended computer facility up-grade to meet the needs of the proposed data acquisition system.

Task 2 - The Contractor shall use the results of Task 1 to survey and recommend hardware/software configuration(s) needed to retrieve, manipulate and/or display meteorological/dose assessment data as required by Incident Response Team(s) configuration and data requirements and as specified by format requirements in Revision 1 to Regulatory Guide 1.23.

Schedule

Task 1 is to be completed within two weeks after initiation of the contract.
Task 2 is to be completed within six weeks after the completion of Task 1.

Reporting Requirements

Task 1 - Informal verbal reports shall be presented to the Division of Emergency Planning.

Task 2 - A final written report shall include recommendations of hardware/software configuration and equipment identification; and any recommendations as to NRC computer capability needed to accomplish retrieval/display of meteorological/dose assessment data retrieval from an operating nuclear power facility.

This final report shall be prepared in accordance with Chapter NRC-3202, "Publication of Unclassified Regulatory and Technical Documents Prepared by NRC Contractors, Including Reports Prepared Under or Pursuant to Interagency Agreements," which is attached hereto and incorporated herein.

The Contractor shall prepare three copies of the final report, with distribution as follows: Project Officer (1 copy); Contracting Officer (1 copy); and the Division of Technical Information and Document Control (1 copy).

ARTICLE III - PERIOD OF PERFORMANCE

The period of performance with respect to this contract shall commence on the effective date of this contract, and all work shall have been completed eight (8) weeks thereafter.

ARTICLE IV - CONSIDERATION

The Contractor shall be paid the firm-fixed-price of \$9,857.00 in full consideration of his performance hereunder.

ARTICLE V - OBLIGATIONS

The amount presently obligated by the NRC with respect to this contract is \$9,857.00.

ARTICLE VI - PAYMENT

Payment shall be made in accordance with Clause 2 of the General Provisions entitled "Payments" as soon as practicable after completion and acceptance of all work, upon submission by the Contractor of voucher(s) in a form satisfactory to the Contracting Officer, provided, however, that said payment(s) shall not be deemed to prejudice any rights which the Government may have by law or under other provisions of this contract.

ARTICLE VII - PROJECT OFFICERS

Bernard Weiss and Barry Zalzman are hereby designated as the Contracting Officer's authorized representatives (hereinafter called Project Officers) for technical aspects of this contract. The Project Officers are not authorized to approve or request any action which results in or could result in an increase in contract cost; nor to terminate or settle any claim or dispute arising under the contract; nor issue any unilateral directive whatever.

The Project Officers are responsible for:

1. monitoring the Contractor's technical progress, including surveillance and assessment of performance, and recommending to the Contracting Officer changes in requirements;
2. interpreting the scope of work;
3. performing technical evaluation as required;
4. performing technical inspections and acceptances required by this contract; and
5. assisting the Contractor in the resolution of technical problems encountered during performance.

Within the purview of this authority, the Project Officers are authorized to review all costs requested for reimbursement by the Contractor and submit recommendations for approval, disapproval, or suspension for supplies/services required under the contract. The Contracting Officer is responsible for directing or negotiating any changes in terms, conditions, or amounts cited in the contract.

For guidance from the Project Officers to the Contractor to be valid, it must:

1. be consistent with the description of work set forth in this contract;
2. not constitute new assignment of work or change of the expressed terms, conditions, or specifications incorporated into this contract;
3. not constitute a basis for an extension to the period of performance or contract delivery schedule; and
4. not constitute a basis for any increase in the contract price.

ARTICLE VIII - GENERAL PROVISIONS

This contract is subject to the Fixed Price Research and Development Contracts Under \$10,000.00, dated November 14, 1977, which incorporates the FPR Changes and Additions and NRC Additions, which is attached hereto and made a part hereof.

Clause 14 entitled "Patent Rights - Acquisition by the Government" is deleted in its entirety.