STANDARD FORM 26, JULY 1966 GENEFAL SERVICES ADMINISTRATION FED. PROC. REG. (41CFR) 1-16.101		AWARD/CONTRACT						PAGE OF	
	Proc. Inst. Ident.) NO.	2. EFFECTIVE DATE 3. REQUISITION/PURCH 7/3/80 SECY-80-4		HASE REQUEST/PROJECT NO. 4. CERTIFIED FOR NATIONAL REG. 2 AND/OR DMS REG. RATING:					
ISSUED BY	CODE	1,0,00	6. ADA	AINISTERED BY		CODE		7. DELIVERY	
U. S. N	luclear Regulato	ry Commissio	on (1)	other than block 5)				X NATION	
Division of Contracts Washington, D. C. 20555								OTHER (Se below)	
CONTRACT	OR CODE		J	FACILITY CODE	9	DISCOUN	T FOR PROMPT PAYM	ENT	
R&D Associates Street. city. Ownty, State. ATTN: Mr. Jack White P. O. Box 9695				Net 30			Net 30		
Marina del Rey, CA 90291			91				INVOICES (4 copies unless other miles) TO ADDRESS SHOWN IN BLOCK		
ATTN: Offic	Nuclear Regulate Mr. Victor Gile of the Commissington, D. C. 20	linsky, H-11 sioners	ion U 49 0	AYMENT WILL BE MAD J. S. Nuclear Office of the Mashington, D.	Regulate Control	ler	CODE mmission		
and the same of the same of	REMENT WAS ADVERTISE		URSUANT TO:	10 U.S.C. 2304 (a))				
4. ACCOUNTIN	G AND APPROPRIATION DATA								
B&R No	.: 70-19-09	FIN No.:	B1314 A	llotment No.	: 31 X 02	00.700	Amount:	\$8,832.0	
15.		16.			17.	18. UNIT	19.	20.	
ITEM NO.	Assessment of Containment	Strength of		ser	GUANIIT	ONLI	July Mice		
ITEM NO.				er	GUANIIT	oral .			
			Ice Condens					832.00	
	Containment	Strength of	Ice Condens	M-FIXED PRICE	TOTAL AMO	DUNT OF	CONTRACT \$8,	832.00	
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ARTICLE I - STATEMENT OF WORK

Critique the ultimate strength analyses of the Sequoyah containment contained in Enclosure 1 of SECY-80-107A. The critique should address at least the following subjects:

- (a) To what extent are the assumptions in the analyses conservative?
- (b) To what extent is the calculated ultimate strength conservative?
- (c) What are the uncertainties in the analyses, methods, and models?
- (d) To what extent is there assurance of no gross leakage from the vessel at stresses above the design stress and yield stress?
- (e) How would the analyses and results be altered if the stresses are caused by ignition/detonation of 300-600 Kg of hydrogen distributed uniformly and nonuniformly in the containment?
- (f) To what extent can distributed ignition sources mitigate the effects of hydrogen?

A final report incorporating the above is to be provided to the Project Officer no later than July 25, 1980. The final report is to be prepared in accordance with Manual Chapter NRC-3202 entitled "Publication of Unclassified Regulatory and Technical Documents Prepared by NRC Contractors, Including Reports Prepared under or Pursuant to Interagency Agreements."

A copy of all correspondence generated by the Contractor to the Project Officer, including a copy of the final report, is to be forwarded to the Contracting Officer.

There is no travel authorized under this contract. However, if during the course of this contract, travel to the Sequoyah containment is determined to be necessary, authorization will be provided through a supplemental agreement to this contract.

ARTICLE II - PERIOD OF PERFORMANCE

The period of performance of this contract shall commence on July 3, 1980 and all effort, including the submission of the final report, shall be completed by July 25, 1980.

ARTICLE III - CONSIDERATION

In full consideration of the Contractor's performance hereunder, NRC shall pay the Contractor a lump sum of \$8,832.00.

ARTICLE IV - OBLIGATION

The amount presently obligated by NRC with respect to this contract is \$8,832.00.

ARTICLE V - 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 of the work and 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 VI - SPECIAL PROVISIONS

VI.1 GOVERNMENT-FURNISHED MATERIAL

Upon award of the contract, the NRC shall furnish the information set forth below:

- 1. Copy of SECY-80-107A
- 2. Detailed drawings of the Sequoyah containment vessel
- 3. Copy of NRCM-3202

This information is provided for such information and assistance as it may provide the Contractor with regard to the general scope of work to be performed. Only the matter which is referred to above will be furnished by the Government.

All of the above Government-furnished material may be disposed of after the completion of the contract effort.

VI.2 PROJECT OFFICER

Performance of work hereunder shall be subject to the technical instructions issued by the U. S. Nuclear Regulatory Commission. The technical instructions shall be signed by the Project Officer.

The Project Officer is responsible for:

- monitoring the Contractor's technical progress, including the surveillance and assessment of performance and recommending to the Contracting Officer changes in requirement;
- (2) interpreting the statement 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 Officer is authorized to approve payment vouchers 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 Officer to the Contractor to be valid, it must:

- 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.

If the Contractor receives guidance from the Project Officer which the Contractor feels is not valid under the criteria cited above, the Contractor shall immediately notify the Project Officer. If the Project Officer and the Contractor are not able to resolve the questions within five (5) days, the Contractor shall notify the Contracting Officer.

VI.3 INSPECTION AND ACCEPTANCE

Acceptance of the services and reports to be delivered herein will be made by the Project Officer.

VI.4 DISSEMINATION OF CONTRACT INFORMATION

The Contractor shall not publish, permit to be published, or distribute for public consumption any information, oral or written, concerning the results or conclusions made pursuant to the performance of this contract, without the prior written consent of the Contracting Officer. (Two (2) copies of the material proposed to be published or distributed shall be submitted to the Contracting Officer.)

ARTICLE VII - GENERAL PROVISIONS

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

Clause 14 entitled "Patent Rights" of the above General Provisions is deleted in its entirety.