

1. CONTRACT (Proc. Inst. Ident.) NO. **NRC-04-79-209** 2. EFFECTIVE DATE **8/7/79** 3. REQUISITION/PURCHASE REQUEST PROJECT NO. **RES-79-209** 4. CERTIFIED FOR NATIONAL DEFENSE UNDER DDSA REG. 2 AND/OR DMS REG. 1, RATING

5. ISSUED BY **U. S. Nuclear Regulatory Commission**
 Division of Contracts
 Washington, DC 20555

6. ADMINISTERED BY (If other than block 5)

7. DELIVERY FOB DESTINATION
 OTHER (See below)

8. CONTRACTOR NAME AND ADDRESS
 CODE FACILITY CODE

(Street, city, county, State, and ZIP code)
Essex Corporation
333 North Fairfax Street
Alexandria, VA 22314

9. DISCOUNT FOR PROMPT PAYMENT

10. SUBMIT INVOICES (4 copies unless otherwise specified) TO ADDRESS SHOWN IN BLOCK **12**

11. SHIP TO/MARK FOR
U. S. Nuclear Regulatory Commission
TMI Special Inquiry Group
Attn: G. Chipman, 6935 Arlington Road
Bethesda, MD

12. PAYMENT WILL BE MADE BY
U. S. Nuclear Regulatory Commission
Office of the Controller
Division of Accounting
Washington, DC 20555

13. THIS PROCUREMENT WAS ADVERTISED, NEGOTIATED, PURSUANT TO 10 U.S.C. 2304 (a)(1) 41 U.S.C. 252 (a)(10)

14. ACCOUNTING AND APPROPRIATION DATA
B&R No. 60-19-10-01 FIN No. B6791 (\$96,236.00)

15. ITEM NO.	16. SUPPLIES/SERVICES	17. QUANTITY	18. UNIT	19. UNIT PRICE	20. AMOUNT
	"Human Factors Evaluation of Control Room Design and Operator Performance at TMI" as described in Essex proposal dated July 25, 1979 which is incorporated herein by this reference.				

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21. TOTAL AMOUNT OF CONTRACT **\$ 96,236.00**

CONTRACTING OFFICER WILL COMPLETE BLOCK 22 OR 26 AS APPLICABLE

22. CONTRACTOR'S NEGOTIATED AGREEMENT (Contractor is required to sign this document and return _____ 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 his 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. AWARD (Contractor is not required to sign this document.) Your offer on Solicitation Number **RS RES-79-209**, 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

27. UNITED STATES OF AMERICA

24. _____
 (Signature of person authorized to sign)

25. DATE SIGNED

28. **Mary Jo Mattia**
 (Signature of Contracting Officer)

24. NAME AND TITLE OF SIGNER (Type or print) 25. DATE SIGNED

28. NAME OF CONTRACTING OFFICER (Type or print) 29. DATE SIGNED

Mary Jo Mattia **7/9/79**

7909170035

1 CONTRACT / PROJ / INST / ORG / NO
 2 SOLICITATION NO: **RS-RES-79-209**
 5 DATE ISSUED: **7/17/79**
 6 REQUISITION/PURCHASE REQUEST NO: **RFPA No. RES-79-209**

7 ISSUED BY: **U. S. Nuclear Regulatory Commission**
 Division of Contracts
 Washington, DC 20555
 8 ADDRESS OFFER TO (if other than office): **VERY POOR ORIGINAL**

In advertised procurement offer and offeror shall be construed to mean bid and order

SOLICITATION

9. Sealed offers in original and two (2) copies for furnishing the supplies or services in the Schedule will be received at the place specified in block 8, or if handcarried, in the depository located in Rm. 286, 7915 Eastern Avenue until 2:00 PM local time July 25, 1979.
 If this is an advertised solicitation offers will be publicly opened at that time.
 CAUTION - LATE OFFERS: See pars. 7 and 8 of Solicitation Instructions and Conditions.
 All offers are subject to the following:

- The Solicitation Instructions and Conditions, SF 33-A 1-78 edition which is attached or incorporated herein by reference.
- The General Provisions SF 32 2-15-78 edition, which is attached or incorporated herein by reference.
- The Schedule included herein and/or attached hereto.
- Such other provisions, representations, certifications, and specifications as are attached or incorporated herein by reference.
 (Attachments are listed in schedule.)

FOR INFORMATION CALL (Name & telephone no.) (No collect calls) ▶ **Mr. Timothy F. Hagan**

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PART II - THE SCHEDULE		X L	General Provisions
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X F	Description/Specifications	X M	List of Documents, Exhibits, & Other Attachments
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OFFER (pages 2 and 3 must also be fully completed by offeror)

In compliance with the above, the undersigned agrees, if this offer is accepted within _____ calendar days (60 calendar days unless a different period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

16. DISCOUNT FOR PROMPT PAYMENT (See par. 3 SF 33-A):
 _____ % 10 CALENDAR DAYS _____ % 20 CALENDAR DAYS _____ % 30 CALENDAR DAYS _____ % CALENDAR DAYS

17. OFFEROR: **Essex Corporation**
 333 North Fairfax Street
 Alexandria, Virginia 22314
 (703) 548-4500
 18 NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER: **Richard C. Foote, Treasurer**
 19 SIGNATURE: *Richard C. Foote*
 20 OFFER DATE: **25 July 1979**

AWARD (To be completed by Government)

21 ACCEPTED AS TO ITEMS NUMBERED: _____
 22 AMOUNT: _____
 23 ACCOUNTING AND APPROPRIATION DATA: _____
 24 SUBMIT INVOICES (2 copies unless otherwise specified) TO ADDRESS SHOWN IN BLOCK: _____
 25 NEGOTIATED PURSUANT TO: _____
 26 ADMINISTERED BY: _____
 27 PAYMENT WILL BE MADE BY: **950213**

28 NAME OF CONTRACTING OFFICER (Type or print): _____
 29 UNITED STATES OF AMERICA BY: _____
 (Signature of contracting officer)
 30 AWARD DATE: _____

Award will be made on this form or on Standard Form 25 or by other official written notice

REPRESENTATIONS, CERTIFICATIONS AND ACKNOWLEDGMENTS

REPRESENTATIONS (Check or complete all applicable boxes or blocks.)

The offeror represents as part of his offer that:

1. SMALL BUSINESS (See par. 14 on SF 33-A.)

He is, is not, a small business concern. If offeror is a small business concern and is not the manufacturer of the supplies offered, he also represents that all supplies to be furnished hereunder will, will not, be manufactured or produced by a small business concern in the United States, its possessions, or Puerto Rico.

2. MINORITY BUSINESS ENTERPRISE

He is, is not, a minority business enterprise. A minority business enterprise is defined as a "business, at least 50 percent of which is owned by minority group members or, in case of publicly owned businesses, at least 51 percent of the stock of which is owned by minority group members." For the purpose of this definition, minority group members are Negroes, Spanish-speaking American persons, American-Orientals, American-Indians, American Eskimos, and American-Aleuts.

3. REGULAR DEALER - MANUFACTURER (Applicable only to supply contracts exceeding \$10,000.)He is a regular dealer in manufacturer of, the supplies offered.

N/A

4. CONTINGENT FEE (See par. 15 on SF 33-A.)

(a) He has, has not, employed or retained any company or persons (other than a full-time bona fide employee working solely for the offeror) to solicit or secure this contract, and (b) he has, has not, paid or agreed to pay any company or person (other than a full-time bona fide employee working solely for the offeror) any fee, commission, percentage, or brokerage fee contingent upon or resulting from the award of this contract; and agrees to furnish information relating to (a) and (b) above, as requested by the Contracting Officer. (Interpretation of the representation, including the term "bona fide employee," see Code of Federal Regulations, Title 41, Subpart 1-1.5.)

5. TYPE OF BUSINESS ORGANIZATIONHe operates as an individual, a partnership, a nonprofit organization, a corporation, incorporated under the laws of the State of Virginia.**6. AFFILIATION AND IDENTIFYING DATA** (Applicable only to advertised solicitations.)

Each offeror shall complete (a) and (b) if applicable, and (c) below:

(a) He is, is not, owned or controlled by a parent company. (See par. 16 on SF 33-A.)

(b) If the offeror is owned or controlled by a parent company, he shall enter in the blocks below the name and main office address of the parent company:

VERY POOR
ORIGINAL

NAME OF PARENT COMPANY
AND MAIN OFFICE ADDRESS
(INCLUDE ZIP CODE)

950243

(c) EMPLOYER'S IDENTIFICATION NUMBER (SEE PAR. 17 ON SF 33-A)

54-0846569

OFFEROR'S E.I. NO.

54-0846569

PARENT COMPANY'S E.I. NO.

7. EQUAL OPPORTUNITY

(a) He has, has not, participated in a previous contract or subcontract subject either to the Equal Opportunity clause herein or the clause originally contained in section 301 of Executive Order No. 10925, or the clause contained in Section 201 of Executive Order No. 11114; that he has, has not, filed all required compliance reports; and that representations indicating submission of required compliance reports, signed by proposed subcontractors, will be obtained prior to subcontract awards. (The above representation need not be submitted in connection with contracts or subcontracts which are exempt from the equal opportunity clause.)

(b) The bidder (or offeror) represents that (1) he has developed and has on file, has not developed and does not have on file; at each establishment affirmative action programs as required by the rules and regulations of the Secretary of Labor (41 CFR 60-1 and 60-2) or (2) he has not previously had contracts subject to the written affirmative action programs requirement of the rules and regulations of the Secretary of Labor. (The above representation shall be completed by each bidder (or offeror) whose bid (offer) is \$50,000 or more and who has 50 or more employees.)

CERTIFICATIONS (Check or complete all applicable boxes or blocks)

1. BUY AMERICAN CERTIFICATE

The offeror certifies as part of his offer, that: each end product, except the end products listed below, is a domestic end product (as defined in the clause entitled "Buy American Act"); and that components of unknown origin have been considered to have been mined, produced, or manufactured outside the United States.

EXCLUDED END PRODUCTS

N/A

COUNTRY OF ORIGIN

2. CLEAN AIR AND WATER (*Applicable if the bid or offer exceeds \$100,000, or the contracting officer has determined that orders under an indefinite quantity contract in any year will exceed \$100,000, or a facility to be used has been the subject of a conviction under the Clean Air Act (42 U.S.C. 1857c-8(c)(1)) or the Federal Water Pollution Control Act (33 U.S.C. 1319(c)) and is listed by EPA, or is not otherwise exempt.*)

The bidder or offeror certifies as follows:

(a) Any facility to be utilized in the performance of this proposed contract has, has not, been listed on the Environmental Protection Agency List of Violating Facilities.

(b) He will promptly notify the contracting officer, prior to award, of the receipt of any communication from the Director, Office of Federal Activities, Environmental Protection Agency, indicating that any facility which he proposes to use for the performance of the contract is under consideration to be listed on the EPA list of Violating Facilities.

(c) He will include substantially this certification, including this paragraph (c), in every nonexempt subcontract.

3. CERTIFICATION OF INDEPENDENT PRICE DETERMINATION (*See par. 18 on SF 33-A*)

(a) By submission of this offer, the offeror certifies, and in the case of a joint offer, each party thereto certifies as to its own organization, that in connection with this procurement:

(1) The prices in this offer have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other offeror or with any competitor;

(2) Unless otherwise required by law, the prices which have been quoted in this offer have not been knowingly disclosed by the offeror and will not knowingly be disclosed by the offeror prior to opening in the case of an advertised procurement or prior to award in the case of a negotiated procurement, directly or indirectly to any other offeror or to any competitor; and

(3) No attempt has been made or will be made by the offeror to induce any other person or firm to submit or not to submit an offer for that purpose of restricting competition.

(b) Each person signing this offer certifies that:

(1) He is the person in the offeror's organization responsible within that organization for the decision as to the prices being offered herein and that he has not participated, and will not participate, in any action contrary to (a)(1) through (a)(3), above; or

(2) (i) He is not the person in the offeror's organization responsible within that organization for the decision as to the prices being offered herein but that he has been authorized in writing to act as agent for the persons responsible for such decision in certifying that such persons have not participated and will not participate, in any action contrary to (a)(1) through (a)(3) above, and as their agent does hereby so certify; and (ii) he has not participated, and will not participate, in any action contrary to (a)(1) through (a)(3) above.

4. CERTIFICATION OF NONSEGREGATED FACILITIES (*Applicable to (1) contracts, (2) subcontracts, and (3) agreements with applicants who are themselves performing federally assisted construction contracts, exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause.*)

By the submission of this bid, the bidder, offeror, applicant, or subcontractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location under his control, where segregated facilities are maintained. He certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The bidder, offeror, applicant, or subcontractor agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and wash rooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, color, religion or national origin, because of habit, local custom, or otherwise. He further agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause; that he will retain such certifications in his files; and that he will forward the following notice to such proposed subcontractors (except where the proposed subcontractors have submitted identical certifications for specific time periods):

Notice to prospective subcontractors of requirement for certifications of nonsegregated facilities.

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A Certification of Nonsegregated Facilities must be submitted prior to the award of a subcontract exceeding \$10,000 which is not exempt from the provisions of the Equal Opportunity clause. The certification may be submitted either for each subcontract or for all subcontracts during a period (i.e., quarterly, semiannually, or annually). *NOTE: The penalty for making false offers is prescribed in 18 U.S.C. 1001.*

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ACKNOWLEDGMENT OF AMENDMENTS The offeror acknowledges receipt of amendments to the Solicitation for offers and related documents numbered and dated as follows:	AMENDMENT NO	DATE	AMENDMENT NO	DATE
		N/A		

NOTE: Offers must set forth full, accurate and complete information as required by this Solicitation (including attachments). The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

B. 8. Utilization of Minority Business Enterprises (1-1.1310-2)

- a. The Utilization of Minority Business Enterprises clause shall be included in all contracts in amounts which may exceed \$10,000 except (1) contracts which, including all subcontracts thereof, are to be performed entirely outside the United States, its possessions, and Puerto Rico, and (2) contracts for services which are personal in nature.

1. It is the policy of the Government that minority business enterprises shall have the maximum practicable opportunity to participate in the performance of Government Contracts.

2. The Contractor agrees to use his best effort to carry out this policy in the award of his subcontracts to the fullest extent consistent with the efficient performance of this contract. As used in this contract, the term "minority business enterprise" means a business, at least 50 percent of which is owned by minority group members or, in case of publicly owned businesses, at least 51 percent of the stock of which is owned by minority group members. For the purposes of this definition, minority group members are Negroes, Spanish-speaking American persons, American-Orientals, American-Indians, American-Eskimos, and American Aleuts. Contractors may rely on written representations by subcontractors regarding their status as minority business enterprises in lieu of an independent investigation.

Minority Business Enterprises Subcontracting Program (1-1.1310-2)

- b. The Minority Business Enterprise Subcontracting Program clause shall be included in all contracts which may exceed \$500,000 and which in the opinion of the procuring activity, offer substantial subcontracting possibilities.

1. The Contractor agrees to establish and conduct a program which will enable minority businesses (as defined in the clause entitle "Utilization of Minority Business Enterprise") to be considered fairly as subcontractors and suppliers under this contract. In this connection, the contractor shall:

(a) Designate a liason officer who will administer the Contractor's minority business enterprises program.

(b) Provide adequate and timely consideration of the potentialities of known minority business enterprises in all "make-or-buy" decisions.

(c) Assure that known minority business enterprises will have an equitable opportunity to compete for subcontracts, particularly by arranging solicitations, time for the preparation of bids, quantities, specifications, and delivery schedules so as to facilitate the participation of minority business enterprises.

(d) Maintain records showing (i) procedures which have been adopted to comply with the policies set forth in this clause, including the establishment of a source list of minority business enterprises, (ii) awards to minority business enterprises on the source list, and (iii) specific efforts to identify and award contracts to minority business enterprises.

(e) Include the Utilization of Minority Business Enterprises clause in subcontracts which offer substantial minority business enterprises subcontracting opportunities.

B.9. Utilization of Small Business Concerns (1-1.710-3)

a. The Utilization of Small Business Concerns clause shall be included in all contracts in amounts which may exceed \$10,000 except (1) contracts which, including all subcontracts there under, are performed entirely outside the United States, its possessions, and Puerto Rico, and (2) contracts for services which are personal in nature.

1. It is the policy of the Government as declared by the Congress that a fair proportion of the purchases and contracts for supplies and services for the Government be placed with Small Business Concerns.

2. The Contractor agrees to accomplish the maximum amount of subcontracting to small business concerns that the Contractor finds to be consistent with the efficient performance of this contract.

Small Business Subcontracting Program

b. The Small Business Subcontracting Program clause shall be included in all contracts which may exceed \$500,000 and which in the opinion of the procuring activity offer substantial subcontracting possibilities.

1. The Contractor agrees to establish and conduct a small business subcontracting program which will enable small business concerns to be considered fairly as subcontractors and suppliers under this contract. In this connection, the Contractor shall:

(a) Designate a liaison officer who will (i) maintain liaison with the Government on small business matters, (ii) supervise compliance with the Utilization of Small Business Concerns clause, and (iii) administer the Contractor's "Small Business Subcontracting Program."

(b) Provide adequate and timely consideration of the potentialities of small business concerns in all "make-or-buy" decisions.

(c) Assure that small business concerns will have an equitable opportunity to compete for subcontracts, particularly

by arranging solicitations, time for the preparation of bids, quantities, specifications, and delivery schedules so as to facilitate the participation of small business concerns. Where the Contractor's lists of potential small business subcontractors are excessively long, reasonable effort shall be made to give all such small business concerns an opportunity to compete over a period of time.

(d) Maintain records showing (i) whether each prospective subcontractor is a small business concern, (ii) procedures which have been adopted to comply with the policies set forth in this clause, and (iii) with respect to the letting of any subcontract (including purchase orders) exceeding \$10,000, informations substantially as follows:

(1) Whether the award went to large or small business.

(2) Whether less than three or more than two small business firms were solicited.

(3) The reason for nonsolicitation of small business if such was the case.

(4) The reason for small business failure to receive the award if such was the case when small business was solicited.

The records maintained in accordance with (iii) above may be in such form as the Contractor may determine, and the information shall be summarized quarterly and submitted by the purchasing department of each individual plant or division to the purchasing department of each individual plant or division to the Contractor's cognizant small business liaison officer. Such quarterly summaries will be considered to be management records only and need not be submitted routinely to the Government; however, records maintained pursuant to this clause will be kept available for review by the Government until the expiration of 1 year after the award of this contract, or for such longer period as may be required by any other clause of this contract or by applicable law or regulation.

(e) Notify the Contracting Officer before soliciting bids or quotations on any subcontract (including purchase orders) in excess of \$10,000 if (i) no small business concern is to be solicited, and (ii) the Contracting Officer's consent to the subcontract (or ratification) is required by a "Subcontracts" clause in this contract. Such notice will state the Contractor's reasons for nonsolicitation of small business concerns, and will be given as early in the procurement cycle as possible so that the Contracting Officer may give SBA timely notice to permit SBA a reasonable period to suggest potentially qualified small business concerns through the Contracting Officer. In no case will the procurement action be held up when to do so would, in the Contractor's judgement, delay performance under the contract.

(f) Include the Utilization of Small Business Concerns clause in subcontracts which offer substantial small business subcontracting opportunities.

(g) Cooperate with the Contracting Officer in any studies and surveys of the Contractor's subcontracting procedures and practices that the Contracting Officer may from time to time conduct.

(h) Submit quarterly reports of subcontracting to small business concerns on either Optional Form 61, Small Business Subcontracting Program Quarterly Report of Participating Large Company on Subcontract Commitments to Small Business Concerns, or such other form as may be specified in the contract. Except as otherwise provided in this contract, the reporting requirements of this subparagraph (8) do not apply to small business contractors, small business subcontractors, educational and non-profit institutions, and contractors or subcontractors for standard commercial items.

B.10. COST ACCOUNTING STANDARDS (Applicable only to negotiated contracts exceeding \$100,000 except when: see Federal Procurement Regulation, Temporary Regulation 44 dated March 29, 1978.)

- A. It has been determined by the contracting officer or his duly authorized representative that this requirement is is not in support of the national defense pursuant to 4 CFR 331.20(b).
- B. If it has been determined that this requirement is in support of the national defense, complete this section. If it has not been determined to be in support of the national defense, proceed to Section C.

(1) DISCLOSURE STATEMENT - COST ACCOUNTING PRACTICES AND CERTIFICATION

Any contract in excess of \$100,000 resulting from this solicitation except (i) when the price negotiated is based on: (A) Established catalog or market prices of commercial items sold in substantial quantities in the general public, or (B) prices set by law or regulation; (ii) contracts awarded to small business concerns (as defined in 1-701.1 of the Armed Services Procurement Regulations or FPR §1-1.701-1); or (iii) contracts which are otherwise exempt (see 4 CFR 331.30(b)) shall be subject to the requirements of the Cost Accounting Standards Board. Any offeror submitting a proposal, which, if accepted, will result in a contract subject to the requirements of the Cost Accounting Standards Board must, as a condition of contracting, submit a Disclosure Statement as required by regulations of the Board. The Disclosure Statement must be submitted as a part of the offeror's proposal under this solicitation (see (I), below) unless (i) the offeror, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards exceeding the monetary exemption for disclosure as established by the Cost Accounting Standards Board (see (II), below); (ii) the offeror exceeded the monetary exemption in his cost accounting period immediately preceding the cost accounting period in which this proposal was submitted but, in accordance with the regulations of the Cost Accounting Standards Board, is not yet required to submit a Disclosure Statement (see (III), below); (iii) the offeror has already submitted a Disclosure Statement disclosing the practices used in connection with the pricing of this proposal (see IV), below);

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or (iv) post-award submission has been authorized by the Contracting Officer. See 4 CFR 351.70 for submission of copy of Disclosure Statement to the Cost Accounting Standards Board.

CAUTION: A practice disclosed in a Disclosure Statement shall not, by virtue of such disclosure, be deemed to be a proper, approved, or agreed to practice for pricing proposals or accumulating and reporting contract performance cost data.

Check the appropriate box below.

I. CERTIFICATE OF CONCURRENT SUBMISSION OF DISCLOSURE STATEMENT(S)

The offeror hereby certifies that he has submitted, as a part of his proposal under this solicitation, copies of the Disclosure Statement(s) as follows: (i) original and one copy to the cognizant contracting officer (Administrative Contracting Officer (ACO), see DOD Directory of Contract Administration Components (DOD 4105.59H)); and (ii) one copy to the cognizant contract auditor.

Date of Disclosure Statement(s): _____

Name(s) and Address(es) of Cognizant ACO(s) where filed: _____

The offeror further certifies that practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement(s).

II. CERTIFICATE OF MONETARY EXEMPTION

The offeror hereby certifies that he, together with all divisions, subsidiaries, and affiliates under common control, did not receive net awards of negotiated national defense prime contracts and subcontracts subject to Cost Accounting Standards totaling more than \$10 million in his cost accounting period immediately preceding the period in which this proposal was submitted. The offeror further certifies that if his status changes prior to an award resulting from this proposal, he will advise the contracting officer immediately.

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CAUTION: Offerors who submitted a Disclosure Statement under the filing requirements previously established by the Cost Accounting Standards Board may claim this exemption only if the dollar volume of CAS covered national defense prime contract and subcontract awards in their preceding cost accounting period did not exceed the \$10 million threshold and the amount of this award will be less than \$10 million. Such offerors will continue to be responsible for maintaining the Disclosure Statement and following the disclosed practices on CAS covered prime contracts and subcontracts awarded during the period in which a Disclosure Statement was required.

III. CERTIFICATE OF INTERIM EXEMPTION

The offeror hereby certifies that (i) he first exceeded the monetary exemption for disclosure, as defined in (II) above, in this cost accounting period immediately preceding the cost accounting period in which this proposal was submitted, and (ii) in accordance with the regulations of the Cost Accounting Standards Board (4 CFR 351.40(f)), he is not yet required to submit a Disclosure Statement. The offeror further certifies that if an award resulting from this proposal has not been made within 90 days after the end of that period, he will immediately submit a revised certificate to the Contracting Officer, in the form specified under (I), above or (IV), below, as appropriate, to verify his submission of a completed Disclosure Statement.

CAUTION: Offerors may not claim this exemption if they are currently required to disclose because they were awarded a CAS covered national defense prime contract or subcontract of \$10 million or more in the current cost accounting period. Further, the exemption applies only in connection with proposals submitted prior to expiration of the 90 day period following the cost accounting period in which the monetary exemption was exceeded.

IV. CERTIFICATE OF PREVIOUSLY SUBMITTED DISCLOSURE STATEMENT(S)

The offeror hereby certifies that the Disclosure Statement(s) were filed as follows:

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Date of Disclosure Statement(s): _____

Name(s) and Address(es) of Cognizant Contracting Officer(s) (ACO(s)) where filed: _____

The offeror further certifies that practices used in estimating costs in pricing this proposal are consistent with the cost accounting practices disclosed in the Disclosure Statement(s).

(2) COST ACCOUNTING STANDARDS - EXEMPTION FOR CONTRACTS OF \$500,000 OR LESS

If this proposal is expected to result in the award of a contract of \$500,000 or less, the offeror shall indicate whether the exemption to the Cost Accounting Standards clause under the provisions of 4 CFR 331.30 (b)(8) is claimed. Failure to check the box below shall mean that the resultant contract is subject to the Cost Accounting Standards clause or that the offeror elects to comply with such clause.

The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 4 CFR 331.30(b)(8) and certifies that he has received notification of final acceptance of all deliverable items on (i) all prime contractors or subcontracts in excess of \$500,000 which contain the Cost Accounting Standards clause, and (ii) all prime contracts or subcontracts of \$500,000 or less awarded after January 1, 1975, which contain the Cost Accounting Standards clause. The offeror further certifies he will immediately notify the Contracting Officer in writing in the event he is awarded any other contract or subcontract containing the Cost Accounting Standards clause subsequent to the date of this certificate but prior to the date of any award resulting from this proposal.

(3) COST ACCOUNTING STANDARDS ELIGIBILITY FOR MODIFIED CONTRACT COVERAGE

If the offeror is eligible to use the modified provisions of 4 CFR 332, and elects to do so, he shall indicate by checking the box below. Checking the box below shall mean that the resultant contract is subject to the Disclosure and Consistency of Cost Accounting Practices clause in lieu of the Cost Accounting Standards clause.

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The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 4 CFR 331.30(b)(2), and certifies that he is eligible for use of the Disclosure and Consistency of Cost Accounting Practices clause because (i) during his cost accounting period immediately preceding the period in which this proposal was submitted, he received less than \$10 million in awards of CAS covered national defense prime contracts and subcontracts, and (ii) the sum of such awards equaled less than 10 percent of his total sales during that cost accounting period. The offeror further certifies that if his status changes prior to an award resulting from this proposal, he will advise the contracting officer immediately.

CAUTION: Offerors may not claim the above eligibility for modified contract coverage if this proposal is expected to result in the award of a contract of \$10 million or more, or if, during their current cost accounting period, they have been awarded a single CAS-covered national defense prime contract or subcontract of \$10 million or more.

(4) ADDITIONAL COST ACCOUNTING STANDARDS APPLICABLE TO EXISTING CONTRACTS

The offeror shall indicate below whether award of the contemplated contract would, in accordance with paragraph (a)(3) of the Cost Accounting Standards clause, require a change in his established cost accounting practices affecting existing contracts and subcontracts.

YES NO

NOTE: If the offeror has checked "yes" above, and is awarded the contemplated contract, he will be required to comply with the Administration of the Cost Accounting Standards clause.

C. If it has been determined that this requirement is not in support of the national defense, complete this section.

(1) COST ACCOUNTING STANDARDS ELIGIBILITY FOR MODIFIED CONTRACT COVERAGE

If the offeror is eligible to use the modified provisions of 4 CFR 332, and elects to do so, he shall

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indicate by checking the box below. Checking the box below shall mean that the resultant contract is subject to the Disclosure and Consistency of Cost Accounting Practices clause in lieu of the Cost Accounting Standards clause.

The offeror hereby claims an exemption from the Cost Accounting Standards clause under the provisions of 4 CFR 331.30(b)(2), and certifies that he is eligible for use of the Disclosure and Consistency of Cost Accounting Practices clause because (i) during his cost accounting period immediately preceding the period in which this proposal was submitted, he received less than \$10 million in awards of CAS covered national defense prime contracts and subcontracts, and (ii) the sum of such awards equaled less than 10 percent of his total sales during that cost accounting period. The offeror further certifies that if his status changes prior to an award resulting from this proposal, he will advise the contracting officer immediately.

CAUTION: Offerors may not claim the above eligibility for modified contract coverage if this proposal is expected to result in the award of a contract of \$10 million or more or if, during their current cost accounting period, they have been awarded a single CAS-covered national defense prime contract or subcontract of \$10 million or more.

(2) COST ACCOUNTING STANDARDS CERTIFICATION -
NONDEFENSE APPLICABILITY

Any negotiated contract in excess of \$100,000 resulting from this solicitation shall be subject to the requirements of the clauses entitled Cost Accounting Standards - Nondefense Contract (FPR § 1-3.1204-2(a)) and Administration of Cost Accounting Standards (FPR § 1-3.1204-1(b)) if it is awarded to a contractor's business unit that is performing a national defense contract or subcontract which is subject to cost accounting standards pursuant to 4 CFR 331 at the time of award, except contracts which are otherwise exempt (see FPR § 1-3.1203-2(a) and (c)(4)). Otherwise, an award resulting from this solicitation shall be subject to the requirements of the clauses entitled Consistency of Cost Accounting Practices - Nondefense Contract (FPR § 1-3.1204-2(b)) and Administration of the Cost Accounting Standards (FPR § 1-3.1204-1(b)) if the award is (i) the first

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negotiated contract over \$500,000 in the event the award is a contractor's business unit that is not performing under any CAS covered national defense or nondefense contract or subcontract, or (ii) a negotiated contract over \$100,000 in the event the award is to a contractor's business unit that is performing under any CAS covered national defense or nondefense contract or subcontract, except contracts which are otherwise exempt (see FPR § 1-3.1203-2(a) and (c)(4)). This solicitation notice is not applicable to small business concerns.

Certificate of CAS Applicability

The offeror hereby certifies that:

- A. It is currently performing a negotiated national defense contract or subcontract that contains a Cost Accounting Standards Clause (4 CFR 331), and it is currently required to accept that clause in any new negotiated national defense contracts it receives that are subject to cost accounting standards.
- B. It is currently performing a negotiated national defense or nondefense contract or subcontract that contains a cost accounting standards clause required by 4 CFR 331 or 332 or by FPR Subpart 1-3.12, but it is not required to accept the 4 CFR 331 clause in new negotiated national defense contracts or subcontracts which it receives that are subject to cost accounting standards.
- C. It is not performing any CAS covered national defense or nondefense contract or subcontract. The offeror further certifies that it will immediately notify the contracting officer in writing in the event that it is awarded any negotiated national defense or nondefense contract or subcontract containing any cost accounting standards clause subsequent to the date of this certificate but prior to the date of the award of a contract resulting from this solicitation.
- D. It is an educational institution receiving contract awards subject to FPR Subpart 1-51.3 (FMC 73-8, OMB Circular A-21).

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E. It is a State or local government receiving contract awards subject to FPR Subpart 1-15.7 (FMC 74-4, OMB Circular A-87).

F. It is a hospital.

NOTE: Certain firm fixed price negotiated nondefense contracts awarded on the basis of price competition may be determined by the Contracting Officer (at the time of award) to be exempt from cost accounting standards (FPR § 1-3.1203-2(c)(4)(iv)).

Additional Certification - CAS Applicable Offerors

G. The offeror, subject to cost accounting standards but not certifying under D, E, or F above, further certifies that practices used in estimating costs in pricing this proposal are consistent with the practices discussed in the Disclosure Statement(s) where they have been submitted pursuant to CASB regulations (4 CFR 351).

Data Required - CAS Covered Offerors

The Offeror certifying under A or B above but not under D, E, or F above, is required to furnish the name, address (including agency or department component); and telephone number of the cognizant contracting officer administering the offeror's CAS-covered contracts. If A above is checked, the offeror will also identify those currently effective cost accounting standards, if any, which upon award of the next negotiated national defense contract or subcontract will become effective upon the offeror.

Name of CO: _____

Address: _____

Telephone No.: _____

Standards not yet applicable: _____

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B.11. AUTHORIZED NEGOTIATORS

Offeror shall furnish names and telephone numbers of personnel authorized to conduct negotiations and hold technical discussions under this solicitation:

Richard C. Foote, Treasurer (703) 548-4500
(Name - Contractual Matters) Telephone No.

(Name - Contractual Matters) Telephone No.

Thomas B. Malone, Vice President (703) 548-4500
(Name - Technical Matters) Telephone No.

B.12. MAILING ADDRESS FOR PAYMENT

Offeror shall indicate below the address to which payment should be mailed, if such address is different from that shown for the offeror/contractor.

N/A

Office Street

City State Zip Code

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B.13 ORGANIZATIONAL CONFLICTS OF INTEREST REPRESENTATION

I represent to the best of my knowledge and belief that:

The award to Essex Corporation of a contract or the modification of an existing contract does () or does not (x) involve situations or relationships of the type set forth in 41 CFR paragraph 20-1.5403(b)(1).

If the representation as completed indicates that situations or relationships of the type set forth in 41 CFR 20-1.5403(b)(1) are involved or the Contracting Officer otherwise determines that potential organizational conflicts exist, the offeror shall provide a statement in writing which describes in a concise manner all relevant facts bearing on his representation to the Contracting Officer. If the Contracting Officer determines that organizational conflicts exist, the following actions may be taken:

- (i) Impose appropriate conditions which avoid such conflicts,
- (ii) disqualify the offeror, or
- (iii) determine that it is otherwise in the best interest of the United States to seek award of the contract under the waiver provisions of § 20-1.5411.

The refusal to provide the representation required by § 20-1.5404(b) or upon request of the Contracting Officer the facts required by § 20-1.5404(c), shall result in disqualification of the offeror for award. The nondisclosure or misrepresentation of any relevant interest may also result in the disqualification of the offeror for awards; or if such nondisclosure or misrepresentation is discovered after award, the resulting contract may be terminated. The offeror may also be disqualified from subsequent related NRC contracts and be subject to such other remedial actions provided by law or the resulting contract.

The offeror may, because of actual or potential organizational conflicts of interest, propose to exclude specific kinds of work from the statements of work contained in a RFP unless the RFP specifically prohibits such exclusion. Any such proposed exclusion by an offeror will be considered by the NRC in the evaluation of proposals. If the NRC considers the proposed excluded work to be an essential or integral part of the required work and its exclusion would work to the detriment of the competitive posture of the other offerors, the proposal must be rejected as unacceptable.

The offeror's failure to execute the representation required herein with respect to invitation for bids will be considered to be a minor informality, and the offeror will be permitted to correct the omission.

1. DEFINITIONS.

As used herein:

(a) The term "solicitation" means Invitation for Bids (IFB) where the procurement is advertised, and Request for Proposal (RFP) where the procurement is negotiated.

(b) The term "offer" means bid where the procurement is advertised, and proposal where the procurement is negotiated.

(c) For purposes of this solicitation and Block 2 of Standard Form 33, the term "advertised" includes Small Business Restricted Advertising and other types of restricted advertising.

2. PREPARATION OF OFFERS.

(a) Offerors are expected to examine the drawings, specifications, Schedule, and all instructions. Failure to do so will be at offeror's risk.

(b) Each offeror shall furnish the information required by the solicitation. The offeror shall sign the solicitation and print or type his name on the Schedule and each Continuation Sheet thereof on which he makes an entry. Erasures or other changes must be initialed by the person signing the offer. Offers signed by an agent are to be accompanied by evidence of his authority unless such evidence has been previously furnished to the issuing office.

(c) Unit price for each unit offered shall be shown and such price shall include packing unless otherwise specified. A total shall be entered in the Amount column of the Schedule for each item offered. In case of discrepancy between a unit price and extended price, the unit price will be presumed to be correct, subject, however, to correction to the same extent and in the same manner as any other mistake.

(d) Offers for supplies or services other than those specified will not be considered unless authorized by the solicitation.

(e) Offeror must state a definite time for delivery of supplies or for performance of services unless otherwise specified in the solicitation.

(f) Time, if stated as a number of days, will include Saturdays, Sundays and holidays.

(g) Code boxes are for Government use only.

3. EXPLANATION TO OFFERORS. Any explanation desired by an offeror regarding the meaning or interpretation of the solicitation, drawings, specifications, etc., must be requested in writing and with sufficient time allowed for a reply to reach offerors before the submission of their offers. Oral explanations or instructions given before the award of the contract will not be binding. Any information given to a prospective offeror concerning a solicitation will be furnished to all prospective offerors as an amendment of the solicitation, if such information is necessary to offerors in submitting offers on the solicitation or if the lack of such information would be prejudicial to uninformed offerors.

4. ACKNOWLEDGMENT OF AMENDMENTS TO SOLICITATIONS.

Receipt of an amendment to a solicitation by an offeror must be acknowledged (a) by signing and returning the amendment, (b) on page three of Standard Form 33, or (c) by letter or telegram. Such acknowledgment must be received prior to the hour and date specified for receipt of offers.

5. SUBMISSION OF OFFERS.

(a) Offers and modifications thereof shall be enclosed in sealed envelopes and addressed to the office specified in the solicitation. The offeror shall show the hour and date specified in the solicitation for receipt, the solicitation number, and the name and address of the offeror on the face of the envelope.

(b) Telegraphic offers will not be considered unless authorized by the solicitation; however, offers may be modified or withdrawn by written or telegraphic notice, provided such notice is received prior to the hour and date specified for receipt. (However, see paragraphs 7 and 8.)

(c) Samples of items, when required, must be submitted within the time specified, and unless otherwise specified by the Government, at no expense to the Government. If not destroyed by testing, samples will be returned at offeror's request and expense, unless otherwise specified by the solicitation.

6. FAILURE TO SUBMIT OFFER. If no offer is to be submitted, do not return the solicitation unless otherwise specified. A letter or postcard shall be sent to the issuing office advising whether future solicitations for the type of supplies or services covered by this solicitation are desired. Failure of the recipient to offer, or to notify the issuing office that future solicitations are desired, may result in removal of the name of such recipient from the mailing list for the type of supplies or services covered by the solicitation.

7. LATE BIDS, MODIFICATIONS OF BIDS, OR WITHDRAWAL OF BIDS.

(a) Any bid received at the office designated in the solicitation after the exact time specified for receipt will not be considered unless it is received before award is made and either:

(1) It was sent by registered or certified mail not later than the fifth calendar day prior to the date specified for the receipt of bids (e.g., a bid submitted in response to a solicitation requiring receipt of bids by the 20th of the month must have been mailed by the 15th or earlier); or

(2) It was sent by mail (or telegram if authorized) and it is determined by the Government that the late receipt was due solely to mishandling by the Government after receipt at the Government installation.

(b) Any modification or withdrawal of a bid is subject to the same conditions as in (a), above. A bid may also be withdrawn in person by a bidder or his authorized representative, provided his identity is made known and he signs a receipt for the bid, but only if the withdrawal is made prior to the exact time set for receipt of bids.

(c) The only acceptable evidence to establish:

(1) The date of mailing of a late bid, modification, or withdrawal sent either by registered or certified mail is the U.S. Postal Service postmark on both the envelope or wrapper and on the original receipt from the U.S. Postal Service. If neither postmark shows a legible date, the bid, modification, or withdrawal shall be deemed to have been mailed late. (The term "postmark" means a printed, stamped, or otherwise placed impression (exclusive of a postage meter machine impression) that is readily identifiable without further action as having been supplied and affixed on the date of mailing by employees of the U.S. Postal Service. Therefore, offerors should request the postal clerk to place a hand cancellation bull's-eye "postmark" on both the receipt and the envelope or wrapper.)

(2) The time of receipt at the Government installation is the time-date stamp of such installation on the bid wrapper or other documentary evidence of receipt maintained by the installation.

(d) Notwithstanding (a) and (b) of this provision, a late modification of an otherwise successful bid which makes its terms more favorable to the Government will be considered at any time it is received and may be accepted.

Note: The term "telegram" includes mailgrams.

8. LATE PROPOSALS, MODIFICATIONS OF PROPOSALS, AND WITHDRAWALS OF PROPOSALS.

(a) Any proposal received at the office designated in the solicitation after the exact time specified for receipt will not be considered unless it is received before award is made, and:

(1) It was sent by registered or certified mail not later than the fifth calendar day prior to the date specified for receipt of offers (e.g., an offer submitted in response to a solicitation requiring receipt of offers by the 20th of the month must have been mailed by the 15th or earlier);

(2) It was sent by mail (or telegram if authorized) and it is determined by the Government that the late receipt was due solely to mishandling by the Government after receipt at the Government installation; or

(3) It is the only proposal received.

(b) Any modification of a proposal, except a modification resulting from the Contracting Officer's request for "best and final" offer, is subject to the same conditions as in (a)(1) and (a)(2) of this provision.

(c) A modification resulting from the Contracting Officer's request for "best and final" offer received after the time and date specified in the request will not be considered unless received before award and the late receipt is due solely to mishandling by the Government after receipt at the Government installation.

(d) The only acceptable evidence to establish:

(1) The date of mailing of a late proposal or modification sent either by registered or certified mail is the U.S. Postal Service postmark on both the envelope or wrapper and on the original receipt from the U.S. Postal Service. If neither postmark shows a legible date, the proposal or modification shall be deemed to have been mailed late. (The term "postmark" means a printed, stamped, or otherwise placed impression (exclusive of a postage meter machine impression) that is readily identifiable without further action as having been supplied and affixed on the date of mailing by employees of the U.S. Postal Service. Therefore, offerors should request the postal clerk to place a hand cancellation bull's-eye "postmark" on both the receipt and the envelope or wrapper.)

(2) The time of receipt at the Government installation is the time-date stamp of such installation on the proposal wrapper or other documentary evidence of receipt maintained by the installation.

(e) Notwithstanding (a), (b), and (c), of this provision, a late modification of an otherwise successful proposal which makes its terms more favorable to the Government will be considered at any time it is received and may be accepted.

(f) Proposals may be withdrawn by written or telegraphic notice received at any time prior to award. Proposals may be withdrawn in person by an offeror or his authorized representative, provided his identity is made known and he signs a receipt for the proposal prior to award.

Note: The term "telegram" includes mailgrams.

Note: The alternate late proposals, modifications of proposals and withdrawals of proposals provision prescribed by 41 CFR 1-3.802-2(b) shall be used in lieu of provision 8, if specified by the contract.

9. DISCOUNTS.

(a) Notwithstanding the fact that a blank is provided for a ten (10) day discount, prompt payment discounts offered for payment within less than twenty (20) calendar days will not be considered in evaluating offers for award, unless otherwise specified in the solicitation. However, offered discounts of less than 20 days will be taken if payment is made within the discount period, even though not considered in the evaluation of offers.

(b) In connection with any discount offered, time will be computed from date of delivery of the supplies to carrier when delivery and acceptance are at point of origin, or from date of delivery at destination or port of embarkation when delivery and acceptance are at either of those points, or from the date correct invoice or voucher is received in the office specified by the Government, if the latter date is later than date of delivery. Payment is deemed to be made for the purpose of earning the discount on the date of mailing of the Government check.

10. AWARD OF CONTRACT.

(a) The contract will be awarded to that responsible offeror whose offer conforming to the solicitation will be most advantageous to the Government, price and other factors considered.

(b) The Government reserves the right to reject any or all offers and to waive informalities and minor irregularities in offers received.

(c) The Government may accept any item or group of items of any offer, unless the offeror qualifies his offer by specific limitations. **UNLESS OTHERWISE PROVIDED IN THE SCHEDULE, OFFERS MAY BE SUBMITTED FOR ANY QUANTITIES LESS THAN THOSE SPECIFIED; AND THE GOVERNMENT RESERVES THE RIGHT TO MAKE AN AWARD ON ANY ITEM FOR A QUANTITY LESS THAN THE QUANTITY OFFERED AT THE UNIT PRICES OFFERED UNLESS THE OFFEROR SPECIFIES OTHERWISE IN HIS OFFER.**

(d) A written award (or Acceptance of Offer) mailed (or otherwise furnished) to the successful offeror within the time for acceptance specified in the offer shall be deemed to result in a binding contract without further action by either party.

The following paragraphs (e) through (h) apply only to negotiated solicitations:

(e) The Government may accept within the time specified therein, any offer (or part thereof, as provided in (c) above), whether or not there are negotiations subsequent to its receipt, unless the offer is withdrawn by written notice received by the Government prior to award. If subsequent negotiations are conducted, they shall not constitute a rejection or counter offer on the part of the Government.

(f) The right is reserved to accept other than the lowest offer and to reject any or all offers.

(g) The Government may award a contract, based on initial offers received, without discussion of such offers. Accordingly, each initial offer should be submitted on the most favorable terms from a price and technical standpoint which the offeror can submit to the Government.

(h) Any financial data submitted with any offer hereunder or any representation concerning facilities or financing will not form a part of any resulting contract; provided, however, that if the resulting contract contains a clause providing for price reduction for defective cost or pricing data, the contract price will be subject to reduction if cost or pricing data furnished hereunder is incomplete, inaccurate, or not current.

11. GOVERNMENT-FURNISHED PROPERTY. No material, labor, or facilities will be furnished by the Government unless otherwise provided for in the solicitation.

12. LABOR INFORMATION. General information regarding the requirements of the Walsh-Healey Public Contracts Act (41 U.S.C.

35-45), the Contract Work Hours Standards Act (40 U.S.C. 327-330), and the Service Contract Act of 1965 (41 U.S.C. 351-357) may be obtained from the Department of Labor, Washington, D.C. 20210, or from any regional office of that agency. Requests for information should include the solicitation number, the name and address of the issuing agency, and a description of the supplies or services.

13. SELLER'S INVOICES. Invoices shall be prepared and submitted in quadruplicate (one copy shall be marked "original") unless otherwise specified. Invoices shall contain the following information: Contract and order number (if any), item numbers, description of supplies or services, sizes, quantities, unit prices, and extended totals. Bill of lading number and weight of shipment will be shown for shipments made on Government bills of lading.

14. SMALL BUSINESS CONCERN. A small business concern for the purpose of Government procurement is a concern, including its affiliates, which is independently owned and operated, is not dominant in the field of operation in which it is submitting offers on Government contracts, and can further qualify under the criteria concerning number of employees, average annual receipts, or other criteria, as prescribed by the Small Business Administration. (See Code of Federal Regulations, Title 13, Part 121, as amended, which contains detailed industry definitions and related procedures.)

15. CONTINGENT FEE. If the offeror, by checking the appropriate box provided therefor, has represented that he has employed or retained a company or person (other than a full-time bona fide employee working solely for the offeror) to solicit or secure this contract, or that he has paid or agreed to pay any fee, commission, percentage, or brokerage fee to any company or person contingent upon or resulting from the award of this contract, he shall furnish, in duplicate, a complete Standard Form 119, Contractor's Statement of Contingent or Other Fees. If offeror has previously furnished a completed Standard Form 119 to the office issuing this solicitation, he may accompany his offer with a signed statement (a) indicating when such completed form was previously furnished, (b) identifying by number the previous solicitation or contract, if any, in connection with which such form was submitted, and (c) representing that the statement in such form is applicable to this offer.

16. PARENT COMPANY. A parent company for the purpose of this offer is a company which either owns or controls the activities and basic business policies of the offeror. To own another company means the parent company must own at least a majority (more than 50 percent) of the voting rights in that company. To control another company, such ownership is not required; if another company is able to formulate, determine, or veto basic business policy decisions of the offeror, such other company is considered the parent company of the offeror. This control may be exercised through the use of dominant minority voting rights, use of proxy voting, contractual arrangements, or otherwise.

17. EMPLOYER'S IDENTIFICATION NUMBER. (Applicable only to advertised solicitations.) The offeror shall insert in the applicable space on the offer form, if he has no parent company, his own Employer's Identification Number (E.I. No.) (Federal Social Security Number used on Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941), or, if he has a parent company, the Employer's Identification Number of his parent company.

18. CERTIFICATION OF INDEPENDENT PRICE DETERMINATION.

(a) This certification on the offer form is not applicable to a foreign offeror submitting an offer for a contract which requires performance or delivery outside the United States, its possessions, and Puerto Rico.

(b) An offer will not be considered for award where (a) (1), (a) (3), or (b) of the certification has been deleted or modified. Where (a) (2) of the certification has been deleted or modified, the offer will not be considered for award unless the offeror furnishes with the offer a signed statement which sets forth in detail the circumstances of the disclosure and the head of the agency, or his designee, determines that such disclosure was not made for the purpose of restricting competition.

19. ORDER OF PRECEDENCE. In the event of an inconsistency between provisions of this solicitation, the inconsistency shall be resolved by giving precedence in the following order: (a) the Schedule; (b) Solicitation Instructions and Conditions; (c) General Provisions; (d) other provisions of the contract, whether incorporated by reference or otherwise; and (e) the specifications.

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NOTICE OF REQUIREMENT FOR CERTIFICATION OF NONSEGREGATED FACILITIES

- C.20 Bidders and offerors are cautioned as follows: By signing this bid or offer, the bidder or offeror will be deemed to have signed and agreed to the provisions of the "Certification of Nonsegregated Facilities" in this solicitation. The certification provides that the bidder or offeror does not maintain or provide for his employees facilities which are segregated on a basis of race, creed, color, or national origin, whether such facilities are segregated by directive or on a de facto basis. The certification also provides that he will not maintain such segregated facilities. Failure of a bidder or offeror to agree to the Certification of Nonsegregated Facilities will render his bid or offer nonresponsive to the terms of solicitations involving awards of contracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause.
- C.21 Pursuant to the provisions contained in Clause C.5, Paragraph (b), telegraphic bids are not authorized.
- C.22 NONDISCRIMINATION BECAUSE OF AGE (FPR 1-12.1001)
It is the policy of the Executive Branch of the Government that (a) contractors and subcontractors engaged in the performance of Federal contracts shall not, in connection with the employment, advancement, or discharge of employees or in connection with the terms, conditions, or privileges of their employment discriminate against persons because of their age except upon the basis of a bona fide occupational qualification, retirement plan, or statutory requirement, and (b) that contractors and subcontractors, or persons acting on their behalf, shall not specify, in solicitations or advertisements for employees to work on Government contracts, a maximum age limit for such employment unless the specified maximum age limit is based upon a bona fide occupational qualification, retirement plan, or statutory requirement.
- C.23 LISTING OF EMPLOYMENT OPENINGS (1-12.1102-2)
Bidders and offerors should note that this solicitation includes a provision requiring the listing of employment openings with the local office of the Federal-State employment service system where a contract award is for \$2,500 or more.
- C.24 TYPE OF CONTRACT
It is contemplated that a cost plus fixed fee type contract will be awarded as a result of this solicitation. However, the government reserves the right to negotiate and award whatever type of contract is deemed most appropriate.

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C.25 Availability of Funds

Funds are not presently available for performance under this contract. The Government's obligation for performance of this contract is contingent upon the availability of appropriated funds from which payment for the contract purposes can be made. No legal liability on the part of the Government for payment of any money for performance under this contract shall arise unless and until funds are made available to the Contracting Officer for such performance and notice of such availability, to be confirmed in writing by the Contracting Officer, is given to the Contractor.

C.26 Level of Effort

It is estimated that the work outlined herein can be accomplished by applying approximately 1 1/2 man-years of effort technical/clerical.

C.27 Proposal Presentation and Format

- a. Proposals will be typewritten or reproduced on letter-size paper and will be legible in all required copies. Unnecessarily elaborate brochures or other presentations beyond that sufficient to present a complete and effective proposal are not desired and may be construed as an indication of the offeror's lack of cost consciousness. Elaborate art works, expensive paper and binding, expensive visual and other presentation aids are neither necessary nor desired.
- b. In order to conduct the evaluation as expeditiously and as comprehensively as possible, the Government desires that offerors respond in accordance with the guidelines set forth below:

Proposals submitted in response to this Request for Proposal shall be in two (2) parts:

A "Technical Proposal" and a "Cost Proposal." Submit four (4) copies of each. Each of the parts shall be separate and complete in itself so that evaluation of one may be accomplished independently of the evaluation of the other. All documents submitted shall have a cover page with the identifying RFP title, the solicitation number, and name of the offeror.

- (1) TECHNICAL PROPOSAL - (See the following paragraph No. C.28 for specific content requirements.) The "Technical Proposal" shall not contain any reference to cost. Resource information such as data concerning labor hours, and categories, materials, subcontracts, travel, computer time, etc., shall be included in the "Technical Proposal" so that offeror's understanding of the scope of work may be evaluated.
- (2) COST PROPOSAL - The contractor shall utilize the Optional Form 60, Contracting Pricing Proposal in submitting his cost proposal. Offerors may, however, submit the necessary information in a different format where the offeror's

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accounting system makes the use of the form impractical, or when required for a more effective and efficient presentation of cost information. In either instance, the information furnished shall include pertinent details sufficient to show the elements of cost upon which the total cost is predicated.

Cost will be evaluated on reasonableness, validity and reliability.

If your records are currently under audit cognizance of a Government audit agency, the address and telephone of that office should be furnished. One (1) copy of the technical and cost proposal shall be submitted by the offeror to the cognizant Government audit agency concurrent with the submittal of the proposal to the NRC.

C. 2.9 TECHNICAL PROPOSAL CONTENT

The offeror shall submit with his technical proposal full and complete information in the order set forth below to permit the Government to make a thorough evaluation and a sound determination that the proposed approach will have a reasonable likelihood of meeting the requirements and objectives of this procurement in accordance with the evaluation criteria set forth under Section D.

Statements which paraphrase the scope of work without communicating the specific innovation proposed by the offeror or statements to the effect that the offeror's understanding can or will comply with the scope of work may be construed as an indication of the offeror's lack of understanding of the scope of work and objectives.

The technical proposal shall be submitted in four (4) parts as described below.

Part I. The technical proposal shall include but not be limited to the following and any pertinent additions thereto:

- (a) Discussion of the requirements of the Scope of Work to substantiate the offeror's understanding of the effort.
- (b) Discussion of the technical approaches and a detailed outline of the proposed program for executing the requirements and achieving the objectives of the Scope of Work.
- (c) Discussion of anticipated major difficulties and problem areas, together with potential or recommended approaches for their resolution.
- (d) Statements of any interpretations, requirements, or assumptions made by the offeror.

- (e) Discussion of the extent to which the proposed approach can be expected to meet the requirements set forth in the scope of work.
- (f) The individual(s) authoring the technical proposal shall be identified.

Part II. The Qualifications, Experience and Availability proposal shall include but not be limited to the following and any pertinent additions thereto:

- (a) Resumes for all key professional personnel to be utilized in the performance of any resulting contract listing qualifications and experience of personnel specifically assigned to this particular effort and the percentages of time to be devoted to each task including subcontractors, if any.
- (b) Offeror's experience in designing and developing studies similar to this effort in terms of operational and subject area requirements of industrial clients and Government agencies, including a listing of Government agencies and contracts pertinent to this effort. Discuss offerors experience in related fields.

Part III. The Management proposal shall include but not be limited to the following and any data pertinent thereto:

- (a) Management organizational structure delineating areas of responsibility and authority under the proposed effort. Describe the relationship of the project organization to corporate management and to subcontractors, if any, Discuss the functions and authorities of the project manager.
- (b) Procedures to periodically review in-house organizational functions, program reviews and controls and subsequent coordination with the NRC.
- (c) Management controls expected to be utilized to preclude a contract cost growth.
- (d) Project scheduling and contingency planning demonstrating a logical progression and integration of the tasks to insure completion within the period of performance and without program slippage.

C.29 Cost Proposal

- A. The Cost/Pricing Section - Shall be submitted on Optional Form 60 or similar format, supported by necessary schedules and documentation, including but not limited to the following:

Material - A detailed listing of items including the quantity, basis of cost estimate, unit cost and sources of cost.

Labor - The basis for the estimated hours broken down by category, and the source of labor rates.

Indirect - The source and basis of determination of all indirect costs.

Travel - A breakdown of all travel by trips, segregating all transportation and per diem costs. A copy of the official Government approval of the offeror's travel policy if granted, or in lieu thereof, a copy of the offeror's travel policy.

Other - The offeror's fiscal accounting period (Fiscal Year) and the name, address, and the telephone number of the offeror's cognizant Government Audit Agency.

- B. Offeror's cost proposal also shall include the following information:

ADDITIONAL FACILITIES

In the event the offeror contemplates acquiring additional facilities in the performance of this work, such facilities shall be separately identified.

COMMITMENTS

The offeror shall list commitments with the Government relating to the specified work or services and indicate whether these commitments will or will not interfere with the completion of work and services contemplated under this proposal.

MANPOWER AVAILABILITY

Describe the source of personnel required for performance of each task and not presently employed by the offeror. If any of the personnel noted earlier are under tentative commitment, describe the terms of the commitment(s). Note specifically the personnel that will be on board expecting a contract award.

MANPOWER STABILITY

Furnish an attrition record for supervisory personnel and for professional/technical non-supervisory personnel, within the proposing entity for the following years:

1976, 1977, 1978

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The attrition rate may be expressed in a percent, providing the offeror explains the method used to compute the percentage figure.

CONSULTANTS

Explain need for services. List proposed principal consultants if known by name. For each list show (a) nature of services, (b) name of employer, (c) fee rate, and (d) total consultant fee and any other allowable related costs which may be involved, such as travel and per diem. Such fees may not be paid to employees of the contractor or to employees of the U.S. Government.

C.30 NOTICE OF PROPRIETARY INFORMATION

In cases where an offeror wants technical data included in the proposal to be used only for purpose of evaluation, he must specifically identify the data by marking the title page with the following restrictive legend:

The data, described below, contained in this proposal shall be used, duplicated, or disclosed only for NRC -- evaluation purposes and this notice shall be applied to any reproduction or abstract of such data. This restriction does not apply to data if the data: (1) is generally available to the public, (2) is already available to the Government on an unrestricted basis, (3) becomes available to the Government from another source, including the proposer, without restriction, or (4) is required to be publicly disclosed pursuant to the Freedom of Information Act (5 U.S.C. 522). This notice covers the following data: (Here described in detail the location of the material claimed to be proprietary - list specific pages or paragraphs, as appropriate, - general statements will not be acceptable.)

The submitter must also mark each sheet of data which he wishes to restrict with the following legend:

Use or disclosure of the technical data on this page is subject to the restriction of the title page of this proposal.

C.31 DISPOSITION OF PROPOSALS

After award of contract two (2) copies of each unsuccessful proposal will be retained by NRC, Division of Contracts, and, unless otherwise notified by the offeror, all other copies will be destroyed.

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SECTION D - EVALUATION FACTORS FOR AWARD

D.1 AWARD OF CONTRACT

Notwithstanding paragraph 8 entitled "Award of Contract" of the Standard Form 33A, the award of any resulting contract will be made to that responsible offeror within the meaning of the Federal Procurement Regulations 1-1.12, conforming to the solicitation which will be most advantageous to the Government, cost and other factors considered. Selection of the successful contractor will be based upon the evaluation criteria set forth under paragraph D.2.

Also, offerors are advised of the possibility that award may be made without discussion of proposals received and, hence, that proposals should be submitted initially in the most favorable terms, from a cost and technical standpoint.

D.2 EVALUATION OF PROPOSALS

Proposals submitted in response to this RFP will be evaluated in accordance with the following factors with a maximum total score of 100 points.

<u>Criteria</u>	<u>Points</u>
Experience of Staff	50
a. In evaluating the application of human factors principles in complex man/machine systems associated with control design, operator training and selection, and emergency procedures. (20)	
b. In evaluating the actual performance of operators responding to emergency situations using human factors principles. (20)	
c. With familiarity in nuclear plant operations, regulatory requirements and standards. (10)	
Management Approach	30
a. Does the management plan insure proper communications and adequate scheduling to meet program objectives and required coordination with the NRC project manager? (15)	
b. Has the offeror committed key individuals to the project and prioritized responsibilities to ensure sufficient control and timely project performance? (15)	
Technical Approach	20
a. Does the offeror's approach demonstrate an adequate understanding of the RFP's requirements, i.e., is the approach feasible in terms of the objective of the project? (20)	
TOTAL POINTS	100

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D.3 OTHER FACTORS

Also to be considered in the evaluation will be other such factors, without numerical weight, as may be deemed necessary in the best interest of the Commission in making a Contractor selection. These include but are not limited to: (1) proposed cost, (2) ability to meet required schedule, (3) the offeror's willingness to accept NRC contract provisions in principle, (4) the proposer's financial status, (5) contractual and organization relationships of the offeror, its employees, or expected subcontractors on this contract, with industry associations, NRC licensees, permittees, or applicants (e.g., utilities, etc.) and suppliers thereof (e.g., architect engineers and reactor manufacturers, etc.) which might give rise to an apparent or actual conflict of interest in the event of a contract award to an offeror, and (6) such other factors as may be deemed to be necessary in the best interest of the Commission in making a Contractor selection.

Part II - The Schedule

Section E - Supplies/Services and Prices

E-1 Services

The Contractor shall provide the necessary qualified personnel, materials and services, not specifically identified as government furnished, to perform a Human Factors Evaluation of Control Room Design and Operator Performance at TMI-2 as required under Section F below.

E-2 Estimated Cost, Fixed Fee and Obligation

- a. It is estimated that the total cost to the Government for full performance of this contract will be \$96,236.00 of which the sum \$87,487.00 represents the estimated reimbursable costs, and of which the sum of \$8,749.00 represents the fixed fee.
- b. There shall be no adjustment in the amount of the Contractor's fixed fee by reason of differences between any estimate of cost for performance of the work under this contract and the actual cost performance of that work.
- c. The amount presently obligated by the Government with respect to this contract is \$96,236.00

Section F - Description/Specifications

F-1 Background

Following the accident at Three Mile Island Unit No. 2, the Commission established a Special Inquiry to assure that the NRC will have the fullest possible understanding of the events at Three Mile Island. The purpose of that evaluation is to take whatever further steps may be necessary to prevent any similar accident in the future. A major area of investigation by the Special Inquiry is the response of the operating personnel to the events. Specifically, the Inquiry must determine to what extent the control room design, operator training and selection, operator performance, and other factors, significantly influenced the sequence of events. The work scope described below is essential to the completion of this objective.

F.2 Objectives

- A. Task A - Identify the factors which influenced the human engineering design aspects of the CR.
- B. Task B - Describe the operator activity taking place in the early phases of the accident. Based on the actual operator performance and an understanding of the control room functional design, develop an understanding of the control room design factors which significantly influenced the outcome of the accident.
- C. Task C - Where significant actions/inactions by CR operators are found to result primarily from operator performance, as opposed to CR design, determine whether the problem is a result of the operator training received, the inherent capabilities of the operators, procedures or other factors.
- D. Task D - Evaluate the application of human factors principles to Three Mile Island Unit 2 control room design as reflected in the control room system characteristics and emergency procedures. Compare the application of these principles at TMI-2 with the approach to the design of comparable complex systems.

F.3 Statement of Work

Task A - Control Room Design at TMI-2

The Contractor shall:

1. Identify the criteria which directly influenced the CR design as specified by the NRC and standard organizations.
 - a. Review Title 10 of the Code of Federal Regulations, NRC Regulatory Guides and Standard Review Plans as provided by the NRC which dictated the design of the control room and point out those criteria which require the application of human engineering principals to such designs.
 - b. Identify relevant standards and recommended practices published by organizations other than NRC which deal with nuclear power plant control room design.
 - c. Identify which of the criteria identified in 1.b. were utilized in the design of the TMI-2 control room.
2. Identify the actual design basis and operating logic which led to the as-built design of the control room. Review the design studies and analyses of Metropolitan Edison Co. and its associates as provided by the NRC leading to as-built design of the control room and determine what human engineering principles were applied.
3. Determine if the CR was designed in accordance with the design basis and criteria identified in 1 and 2 above.
 - a. Review control room contractual documents, Final Safety Analyses Report, Construction specifications and as-built drawing as provided by the NRC to determine the human factors aspects of the control room design.

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- b. Visit Three Mile Island site for familiarization and to complete accurate description of the control room in its pre-accident configuration.
 - c. In conjunction with the NRC Special Inquiry contract project manager ("NRC project manager") compare the human factors aspects of the actual design of the control room (as determined under 3 a and b above) with the criteria and bases that led to the design (as determined under 1 and 2 above).
 - d. In conjunction with the NRC project manager, and using the results of 3.c., identify those implicit philosophical or broad based design concepts which had a significant impact on the human factors design of the control room (i.e. single failure concept).
 - e. Determine if the quantity and prominence of information presented in the control room are consistent with the design bases and criteria.
4. Compare the design process for TMI-2 CR with that used in other nuclear plant control rooms of the same vintage.
 - a. In conjunction with the NRC contract manager, identify a limited number of plants (at least 2) of the same generation as TMI-2.
 - b. Obtain reconnaissance level information (documents and discussions) on human factors criteria and design bases used.
 - c. Visit the control rooms identified above, and assess the degree to which these designs were constructed in accordance with their respective criteria. NRC will assist contractor in obtaining access to such control rooms.
 - d. On a broad basis and in conjunction with the NRC contract manager, compare the process that resulted in the application of human engineering principles to the design of the control room of TMI-2 with that of the plants identified in 4.a above.

Task B - Control Room Activity

The Contractor shall:

1. Construct a full scale mock-up of the TMI-2 control room panels utilizing photographs for the panels identified in the table below. The mock-up must be transportable in sections. Drawings of the panels will be provided by NRC in conjunction with Task A.3.b. Visit the TMI-2 CR to provide familiarity with the actual CR layout.
2. Prepare a timeline diagram of the control room activities during the first 150 minutes of the accident.
 - a. Using event chronologies and operator interview provided by NRC, define operator activities.
 - b. NRC will identify the critical timeline actions/inactions within the control room which significantly influenced the outcome of the accident.
3. Video tape an enactment of the timeline sequence of events for use in the analysis of operator performance.
4. Based on the emergency procedures and other formal guidance available to the operators, develop an idealized timeline.

5. In conjunction with the NRC project manager, identify the control room design factors which influenced critical actions/inactions (2.b. above). Emphasis should be placed on the most significant human engineering issues.

Table of Control Room Panels to be Modeled

Control Room Desk - CONS-1
 Computer Console - CONS-2
 Aux. Systems Control Console - CONS-3
 Plant Control Console - CONS-4
 Turbine Control Console - CONS-5
 Electric Control Consoles - CONS-6A, 6B, 6C
 Fire Detection Panel - PNL-7
 Coolant Systems Monitoring Panel - PNL-8
 Reactor Coolant Drain Tank Panel - PNL-8A
 Push Pull Control Panel - PNL-9
 Plant Equipment Temp. Recording Panel - PNL-10
 Radiation Monitoring Panel - PNL-12
 SFAS Panel - PNL-13
 Control Rod Drive Panel - PNL-14
 Containment Isolation Panel - PNL-15
 Turbine Supervisory Panel - PNL-16
 Turbine Auxiliary Monitoring Panel - PNL-17
 Station Electric Aux. Monitoring Panel - PNL-18
 Vital Power Panel - PNL-19
 Nuclear Instrumentation - CAB-20, 21
 HVAC Panel - PNL-25
 Dissel Generator No. 1 & 2 Panels - PNL-26, 29
 Computer Programers Console - CAB-188A

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Task C - Operator Performance

The Contractor shall:

1. Determine the adequacy of the training program to assure the operators capability to diagnose problems and take appropriate actions during normal and emergency conditions.
 - a. NRC will provide documents describing operator training program, TMI-2 emergency operating procedures and will make available NRC operator licensing personnel to describe the regulatory program.
 - b. In conjunction with the NRC project manager, determine if the operator training was adequate in particular with respect to the significant actions/inactions taken by the operators on the TMI-2 accident.
2. Identify the basis for each significant action/inaction resulting from operator performance that cannot be attributed to inadequate training. Where additional interviews with operators are required, this will be arranged through the NRC project manager. Types of results that might be obtained include: mismatched operator aptitude, poorly defined lines of authority or task assignments within the CR, etc.
3. Evaluate the adequacy of the transfer of information between shifts, and between operators and maintenance personnel at TMI. Review NRC and Met Ed requirements for information transfer and the implementation of these requirements at TMI-2. Compare the information transfer procedures of TMI-2 with those used in the plants identified in Task A.4.a. above.

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Task D - Application of Human Factors Principles to Control Room Design

The Contractor shall:

1. Identify the systems components and procedures in the control room which played a critical role during the first 150 minutes of the accident.
 - a. NRC will identify the critical timeline actions/inactions (critical points) within the control room which significantly influenced the outcome of the accident (B.2.b.) and provide applicable emergency procedures (C.1.a).
 - b. For each critical point, identify the systems, components and procedures in the control room which did or should have played a role in the decision process.
 - c. NRC will provide documentation of the chronology of events and existing operator interviews as necessary. Requirements for additional interviews will be coordinated through the NRC contract manager.
2. For each critical system, component and procedures identified in 1 above, identify the relevant human factors considerations. This will include the factors in the relevant Human Factors engineering standards.
3. Determine the degree of compliance of the critical system and component designs and procedures to the applicable human factors principles (standards).
4. Where areas of non-compliance are identified in 3 above, in conjunction with the NRC project manager, determine the impact on operator performance at critical points.
5. Utilizing the information obtained in Task A and B and in 1-4 above, and in conjunction with the NRC project manager, evaluate the integration of the control room design with the reactor system design in the context of human factor program development. This should include the utilization of task analyses of: the role of the CR operator; generating CR staff selection and training requirements; development and testing of operational procedures (including emergency actions); and the effectiveness of Licensee Event Reports (LERs) feedback.
6. Identify the approach taken by other agencies and organizations in the design of comparable complex man/machine systems with respect to the application of human factor principles and one example of advanced CR design concept being offered by a U.S. nuclear plant supplier. The agencies and organizations investigated should include comparable industries (chemical, etc.), the armed services and NASA.

The procedural and decision-making process employed by each selected organization will be compared to the process utilized in the design of TMI-2. Significant variations should be identified and their impact on the performance of the operation estimated in conjunction with the NRC managers.

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F.4 Deliverables

1. For all tasks A-D
 - a. Letter status reports every 2 weeks.
 - b. Preliminary final letter report of all findings by September 28, 1979.
 - c. NRC will provide comments by October 3, 1979, and Final Letter Report of all findings incorporating NRC comments shall be provided to NRC by October 10, 1979.
2. Contractor may be required to deliver the CR mock-up to the Washington, D.C. metropolitan area before the termination of the contract. If the mock-up is not requested by the NRC by contract termination, the contractor may dispose of the mock-up (for cost proposal purposes, assume that the CR mock-up will have to be delivered to NRC, Washington, D.C.).
3. The contractor shall be available to brief NRC Commissioners and other groups (not to exceed 10 briefings or hearings) regarding their work and findings on an as needed basis.
4. Except as specifically authorized by this contract, or as otherwise approved by the Contracting Officer, records or other information, documents and material furnishing by the Commission to the Contractor in the performance of this contract shall be used only in connection with the work performed under this contract. The Contractor shall, upon completion or termination of this contract, transmit to the Commission all records or other information, documents and material, and any copies thereof, furnished by the Commission to the Contractor or data developed by the Contractor in the performance of this contract.

SECTION G - Packaging and Marking

All materials to be delivered hereunder shall be afforded the degree of packaging (preservation and packing) required to prevent deterioration and/or damages due to hazards of shipment, handling, and storage. Such packaging shall be accomplished in such a manner as to insure safe delivery at destination.

SECTION H - Deliveries or Performance

H.1 Period of Performance

The period of performance for the work required hereunder shall commence as of the effective date of the contract and shall expire on December 31, 1979.

H.2 Place of Delivery

The deliverables required hereunder shall be delivered to the COAR at the following address:

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TMI Special Investigation Group
6935 Arlington Road
Bethesda, MD 20014

SECTION I - Inspection and Acceptance

- I.1 Inspection and acceptance of the deliverables required hereunder shall be accomplished by the Contracting Officer or his Authorized Representative.

SECTION J - Special Provisions

J.1 Technical Direction and Authorized Representative

The Contracting Officer may designate an authorized representative under this contract for the purpose of assuring that the services required under the contract are ordered and delivered in accordance therewith. Any technical instructions issued shall be signed by the authorized representative of the NRC. As used herein, technical instructions are instructions to the Contractor which provide details, suggest possible lines of inquiry, or otherwise complete the general scope of work as set forth within, and shall not constitute new assignments of work or changes of such a nature as to justify an adjustment in fixed fee, cost or performance schedule. Such representative as may be appointed will be specifically designated in writing to the Contractor from the Contracting Officer, including the extent of such designee's authority.

For purposes of this contract, the designated COAR will also be the NRC project manager described in Section F.

J.2 Government Furnished Material

The NRC will provide the Contractor with the following materials upon execution of the contract.

Task A

1. Title 10 of CFR
2. NRC Regulatory Guides (Division 1)
3. NRC Standard Review
4. Three Mile Island (TMI) - Preliminary and Final Safety Analysis Reports
5. TMI-2 Construction Permit and Operating License Safety Evaluation Reports and Supplements

Task B

1. Drawings of TMI-2 control room panels and layout
2. Event chronologies and operator interviews

Task C

1. NRC document describing requirements for operator training and TMI-2 emergency operating procedures

The NRC will provide the materials set forth below by August 6, 1979.

Task A

1. Metropolitan Edison Company and Associates (Met Ed contractual documents
2. Met Ed special study reports relating to control room (CR) and human factors considerations
3. Met Ed CR and human factors design analyses

Task B

1. Met Ed documents describing the operator training program, the training received by the operators on shift at the time of the accident, operator selection criteria and qualification records of operators on shift at time of accident.
2. Identification of the critical points of action/inaction in the event chronology which contributed significantly to the course of the accident.

J.3 Key Personnel

Pursuant to Clause No. 40 - Key Personnel, the following individuals are considered to be essential to the successful performance of the work hereunder and shall not be replaced without the prior approval of the Contracting Officer. In such event, the Contractor agrees to substitute persons possessing substantially equal abilities and qualifications to the Contracting Officer.

Dr. Malone, Dr. Kirkpatrick

J.4 NRC Assistance

All contact with the NRC staff and Metropolitan Edison Company and its associates and other NRC licensees will be coordinated through the NRC project manager. The contractor shall notify the NRC project manager of information needed from Met Ed and the need for additional interviews. These will be obtained by the NRC project manager. The NRC project manager will monitor the work of the contractor and will provide guidance in the critical evaluations as indicated in the scope of work. This will require frequent visits between the NRC project manager and the contractor.

J.5 Privacy Act Considerations

1. Notification

This procurement action does require the Contractor to operate a system of records on individuals to accomplish an agency function in accordance with the Privacy Act of 1974, Public Law 93-579, December 31, 1974 (5 U.S.C. 552a) and applicable agency regulation. Violation of the act may involve the imposition of criminal penalties. Specifically, the Contractor may be required to maintain records of interviews and data regarding training, job performance and other relevant personal information. This information will be maintained for reporting requirements only during the life of the contract and it shall be returned to the NRC upon completion of the contract.

2. The Act

Privacy Act

(a) The Contractor agrees:

- (1) To comply with the Privacy Act of 1974 and the rules and regulations issued pursuant to the Act in the design, development, or operation of any system of records on individuals in order to accomplish an agency function when the contract specifically identifies (i) the system or systems of records and (ii) the work to be performed by the contractor in terms of any one or combination of the following: (A) design, (B) development, or (C) operation;
- (2) to include the solicitation notification contained in this contract in every solicitation and resulting sub-contract and in every subcontract awarded without a solicitation when the statement of work in the proposed subcontract requires the design, development, or operation of a system of records on individuals to accomplish an agency function; and
- (3) to include this clause, including this paragraph (3), in all subcontracts awarded pursuant to this contract which require the design, development, or operation of such a system of records.

- (b) In the event of violations of the Act, a civil action may be brought against the agency involved where the violation concerns the design, development, or operation of a system of records on individuals

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to accomplish an agency function, and criminal penalties may be imposed upon the officers or employees of the agency where the violation concerns the operation of a system of records on individuals to accomplish an agency function. For purposes of the Act when the contract is for the operation of a system of records on individuals to accomplish an agency function, the contractor and any employee of the contractor is considered to be an employee of the agency.

(c) The terms used in this clause have the following meanings:

- (1) "Operation of a system of records" means performance of any of the activities associated with maintaining the system of records including the collection, use, and dissemination of records.
- (2) "Record" means any item, collection, or grouping of information about an individual that is maintained by an agency, including, but not limited to, his education, financial transactions, medical history, and criminal or employment history and that contains his name, or the identifying number, symbol, or other identifying particular assigned to the individual, such as a finger or voice print or a photograph.
- (3) "System of records" on individuals means a group of any records under the control of any agency from which information is retrieved by the name of the individual or by some identifying number, symbol, or other identifying particular assigned to the individual.

SECTION K - Contract Administration DataBILLING INSTRUCTIONS FOR NRC COST-TYPE CONTRACTS

General. The contractor shall submit vouchers for cost-reimbursement in the manner and format described herein and as illustrated in the sample voucher.

Form. Claims shall be submitted on the payee's letterhead, invoice or on the Government Standard Form 1034, "Public Voucher for Purchases and Services Other Than Personal," and "Standard Form 1035, Public Voucher for Purchases Other Than Personal - Continuation Sheet." These forms are available from the Government Printing Office, 710 North Capitol Street, Washington, DC 20801.

Number of Copies. An original and six copies should be mailed to the NRC offices identified below.

Frequency. The contractor shall submit claims for reimbursement once each month unless otherwise authorized by the Contracting Officer.

Billing of Costs After Expiration of Contract. If cost-reimbursements are incurred during the contract period and claimed after the contract has expired, the period during which these costs were incurred must be cited.

Currency. Billings may be expressed in the currency normally used by the contractor in maintaining his accounting records; payments will be made in that currency. However, the U.S. dollar equivalent for all invoices paid under the contract may not exceed the total U.S. dollars authorized in the contract.

Supercession. These instructions supersede all previous billing instructions.

Preparation and Itemization of the Voucher. The contractor shall furnish the information set forth in the explanatory notes below. These notes are keyed to the entries on the sample voucher.

- (a) Payee's Name and Address. (i) Address the original voucher (with 4 copies) to: U.S. Nuclear Regulatory Commission, Division of Accounting, Office of the Controller, ATTN: GOV/COM Accounts Section, Washington, DC 20555. (ii) Address 2 copies to: U.S. Nuclear Regulatory Commission, ATTN: E.L. Halman, Director, Division of Contracts, Washington, DC 20555. (iii) The original copy of the voucher should indicate that (2) copies have been forwarded to the Contracting Officer.
- (b) Voucher Number. Insert the appropriate serial number of the voucher.

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- (c) Date of Voucher. Insert the date the voucher is prepared.
- (d) Contract Number and Date. Insert the contract number and the date of the contract.
- (e) Payee's Name and Address. Show the name of the contractor as it appears in the contract and its correct address; except when an approved assignment has been made by the contractor, or a different payee has been designated, then insert the name and address of the payee.
- (f) Contract Amount. Insert the total estimated cost of the contract, exclusive of fixed-fee. For incrementally funded contracts enter the amount currently obligated and available for payment.
- (g) Fixed Fee. Insert total fixed-fee (where applicable).
- (h) Billing Period. Insert the beginning and ending dates (day, month, and year) of the period in which costs were incurred and for which reimbursement is claimed.
- (i) Direct Costs. Insert the major cost elements
- (i)(1) Direct Labor. This consists of salaries and wages paid (or accrued) for direct performance of the contract.
- (i)(2) Fringe Benefits. This represents fringe benefits applicable to direct labor and billed as a direct cost. Fringe benefits included in direct costs should not be identified here.
- (i)(3) Capitalized Nonexpendable Equipment. For educational institutions list each item costing \$1,000. or more; for contractors other than educational institutions list each item costing \$200. or more and having a life expectancy of more than one year. List only those items of equipment for which reimbursement is requested. A reference shall be made to the following (as applicable): (1) the item number for the specific piece of equipment listed in the Property Schedule; (2) the Contracting Officer's Approval Letter, if the equipment is not covered by the Property Schedule; or (3) be preceded by an asterisk (*) if the equipment is below the approval level. Further itemization of vouchers shall only be required for items having specific limitations set forth in the contract.
- (i)(4) Materials, Supplies, and Noncapitalized Equipment. This is consumable materials and supplies and equipment other than that described in (i)(3) above.
- (i)(5) Premium Pay. This is remuneration in excess of the basic hourly rate.
- (i)(6) Consultants' Fee. These are fees paid to consultants.
- (i)(7) Travel. Domestic travel is travel within the United States, its territories, possessions, and Canada; it should be billed

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separately from foreign travel.

(i)(8) Other. List all other direct costs in total unless significant in amount. If significant, list cost elements and dollar amount separately e.g., subcontracts.

- (j) Indirect Costs--Overhead. Cite the formula (rate and base) in effect during the time the cost was incurred and for which reimbursement is claimed.
- (k) Fixed-Fee. If the contract provides for a fixed-fee, it must be claimed as provided for by the contract. Cite the formula or method of computation.
- (l) Amount Billed for Current Period. Insert the amount billed for the major cost elements, adjustment, and adjusted amounts for the period.
- (m) Cumulative amount from Inception to Date of this Billing. Insert the cumulative amounts billed for the major cost elements and adjusted amounts claimed during this contract.
- (n) Total Amounts Claimed. Insert the total amounts claimed for the current and cumulative periods.
- (o) Adjustments. This includes amounts conceded by the contractor, outstanding suspensions, and disapprovals subject to appeal.
- (p) Grand Totals.

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SECTION L - General Provisions

L.1 General Provisions

This contract is subject to the provisions of Appendix A, General Provisions, Cost-Type Contract With Concerns Other Than Educational Institutions, dated February 15, 1978, which is attached hereto and by this reference made a part hereof.

L.2 Alterations

In addition to those general provisions set forth in Appendix A hereto which are by their terms self-deleting, the following deletions and/or modifications to Appendix A are as follows:

1. Clause 3 entitled "Limitation of Funds" is deleted in its entirety.
2. Clause 53 entitled "Private Use of Information and Data" is deleted in its entirety, and the following is substituted in lieu thereof:

"CLAUSE 53 - PRIVATE USE AND PROTECTION OF UNCLASSIFIED GOVERNMENT INFORMATION"

- A. Except as specifically authorized by this contract, or as otherwise approved by the Contracting Officer, records or other information, documents and material furnished by the Commission to the contractor in the performance of this contract, or information developed by the Contractor in the course of the work hereunder, shall be used only in connection with the work performed under this contract. The Contractor shall, upon completion or termination of this contract, transmit to the Commission all records or other information, documents and material, and any copies thereof, furnished by the Commission to the Contractor or developed by the Contractor in the performance of this contract.
- B. The Contractor shall be responsible for safeguarding from unauthorized disclosure any information or other documents and material exempt from public disclosure by the Commission's regulations and made available to the Contractor in connection with the performance of work under this contract. The Contractor agrees to conform to all regulations, requirements, and directions of the Commission with respect to such material.
- C. The Contractor's duties under this clause shall not be construed to limit or affect in any way the Contractor's obligation to conform to all security regulations and requirements of the Commission pertaining to classified information and material."
- D. The Clause entitled, "Service Contract Act of 1965," as amended, attached hereto and forming a part hereof, is added as Clause No. 62.

PART IV - LIST OF DOCUMENTS AND ATTACHMENTS

SECTION M - List of Documents, Exhibits, and other Attachments

This solicitation contains the following attachments:

- M.1 General Provisions
- M.2 Nuclear Regulatory Commission 41 CFR Part 20, Contractor Organizational Conflicts of Interest
- M.3 Option Form 60, Contract Pricing Proposal

APPENDIX A - GENERAL PROVISIONS

Cost-Type
Contracts with Concerns Other Than Educational Institutions

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General Provisions (Cont'd)

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APPENDIX A
U. S. NUCLEAR REGULATORY COMMISSION
GENERAL PROVISIONS FOR COST-TYPE CONTRACTS

Contracts with Concerns Other Than Educational Institutions

1. DEFINITIONS (1-7.102-1 and 9-7.5005-4)

As used throughout this contract, the following terms shall have the meaning set forth below:

(a) The term, "head of the agency" or "Secretary" as used herein means the Secretary, the Under Secretary, and Assistant Secretary, or any other head or assistant head of the executive or military department or other Federal agency; and the term "his duly authorized representative" means any person or persons or board (other than the Contracting Officer) authorized to act for the head of the agency or the secretary.

(b) The term "Commission" means the United States Nuclear Regulatory Commission or any duly authorized representative thereof, including the Contracting Officer except for the purpose of deciding an appeal under the article entitled "Disputes."

(c) The term "Contracting Officer" means the person executing this contract on behalf of the Government, and any other officer or civilian employee who is a properly designated Contracting Officer; and the term includes, except as otherwise provided in this contract, the authorized representative of a Contracting Officer acting within the limits of his authority.

(d) Except as otherwise provided in this contract, the term "subcontracts" includes purchase orders under this contract.

2. CHANGES (1-7.404-5)

(a) The Contracting Officer may at any time, by a written order, and without notice to the sureties, if any, make changes within the general scope of this contract in any one or more of the following:

- (i) Drawings, designs, or specifications;
- (ii) Method of shipment or packing; and
- (iii) Place of inspection, delivery, or acceptance.

(b) If any such change causes an increase or decrease in the estimated cost of, or the time required for the performance of any part of the work under this contract, whether changed or not changed by any such order, or otherwise affects any other provision of this contract, an equitable adjustment shall be made:

- (i) In the estimated cost or delivery schedule, or both;

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(ii) In the amount of any fixed fee to be paid to the Contractor; and

(iii) In such other provisions of the contract as may be affected, and the contract shall be modified in writing accordingly.

Any claim by the Contractor for adjustment under this clause must be asserted within thirty (30) days from the date of receipt by the Contractor of the notification of change; Provided, however, That the Contracting Officer, if he decides that the facts justify such action, may receive and act upon any such claim asserted at any time prior to final payment under this contract. Failure to agree to any adjustment shall be a dispute concerning a question of fact within the meaning of the clause of this contract entitled "Disputes." However, except as provided in paragraph (c) below, nothing in this clause shall excuse the Contractor from proceeding with the contract as changed.

(c) Notwithstanding the provisions of paragraphs (a) and (b) above, the estimated cost of this contract and, if this contract is incrementally funded, the funds allotted for the performance thereof, shall not be increased or deemed to be increased except by specific written modification of the contract indicating the new contract estimated cost and, if this contract is incrementally funded, the new amount allotted to the contract. Until such modification is made, the Contractor shall not be obligated to continue performance or incur costs beyond the point established in the clause of this contract entitled "Limitation of Cost" or "Limitation of Funds."

3. LIMITATION OF FUNDS (1-7.202-3(b) and 1-7.402-2(c))

(Applicable to Contracts which are incrementally funded)

(a) It is estimated that the cost to the Government for the performance of this contract will not exceed the estimated cost set forth in the Schedule, and the Contractor agrees to use his best efforts to perform the work specified in the Schedule and all obligations under this contract within such estimated cost.

(b) The amount presently available for payment and allotted to this contract, the items covered thereby, the period of performance which it is estimated the allotted amount will cover, are specified in the Schedule. It is contemplated that from time to time additional funds will be allotted to this contract up to the full estimated cost set forth in the Schedule, exclusive of any fee. The Contractor agrees to perform or have performed work on this contract up to the point at which the total amount paid and payable by the Government pursuant to the terms of this contract approximates but does not exceed the total amount actually allotted to the contract.

(c) If at any time the Contractor has reason to believe that the costs which he expects to incur in the performance of this contract in the next succeeding 60 days, when added to all costs previously incurred, will exceed

75 percent of the total amount then allotted to the contract, the Contractor shall notify the Contracting Officer in writing to that effect. The notice shall state the estimated amount of additional funds required to continue performance for the period set forth in the Schedule. Sixty days prior to the end of the period specified in the Schedule the Contractor will advise the Contracting Officer in writing as to the estimated amount of additional funds, if any, that will be required for the timely performance of the work under the contract or for such further period as may be specified in the Schedule or otherwise agreed to by the parties. If, after such notification, additional funds are not allotted by the end of the period set forth in the Schedule or an agreed date substituted therefor, the Contracting Officer will, upon written request by the Contractor, terminate this contract pursuant to the provisions of the Termination clause on such date. If the Contractor, in the exercise of his reasonable judgment, estimates that the funds available will allow him to continue to discharge his obligations hereunder for a period extending beyond such date, he shall specify the later date in this request and the Contracting Officer, in his discretion, may terminate this contract on that later date.

(d) Except as required by other provisions of this contract specifically citing and stated to be an exception from this clause, the Government shall not be obligated to reimburse the Contractor for costs incurred in excess of the total amount from time to time allotted to the contract and the Contractor shall not be obligated to continue performance under the contract (including actions under the Termination clause) or otherwise to incur costs in excess of the amount allotted to the contract, unless and until the Contracting Officer has notified the Contractor in writing that such allotted amount has been increased and has specified in such notice an increased amount constituting the total amount then allotted to the contract. To the extent the amount allotted exceeds the estimated cost set forth in the Schedule, such estimated cost shall be correspondingly increased. No notice, communication, or representation in any other form or from any person other than the Contracting Officer shall affect the amount allotted to this contract. In the absence of the specified notice, the Government shall not be obligated to reimburse the Contractor for any costs in excess of the total amount then allotted to the contract, whether those excess costs were incurred during the course of the contract or as a result of termination. When and to the extent that the amount allotted to the contract has been increased, any costs incurred by the Contractor in excess of the amount previously allotted shall be allowable to the same extent as if such costs had been incurred after such increase in the amount allotted; unless the Contracting Officer issues a termination or other notice and directs that the increase is solely for the purpose of covering termination or other specified expenses.

(e) Change orders issued pursuant to the Changes clause of this contract shall not be considered an authorization to the Contractor to exceed the amount allotted in the Schedule in the absence of a statement in the change order, or other contract modification, increasing the amount allotted.

(f) Nothing in this clause shall affect the right of the Government to terminate this contract. In the event this contract is terminated, the Government and the Contractor shall negotiate an equitable distribution of all property produced or purchased under the contract based upon the share of costs incurred by each.

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(g) In the event that sufficient funds are not allotted to this contract to allow completion of the work contemplated by this contract, the Contractor shall be entitled to that percentage of the fee set forth in the Schedule equivalent to the percentage of completion of the work contemplated by this contract.

4. LIMITATION OF COST (1-7.202-3(a) and 1-7.402-2(a))

(Applicable to Contracts which are fully funded only)

(a) It is estimated that the total cost to the Government for the performance of this contract, exclusive of any fee, will not exceed the estimated cost set forth in the Schedule, and the Contractor agrees to use his best efforts to perform the work specified in the Schedule and all obligations under this contract within such estimated cost. If, at any time, the Contractor has reason to believe that the costs which he expects to incur in the performance of this contract in the next succeeding 60 days, when added to all costs previously incurred, will exceed 75 percent of the estimated cost then set forth in the Schedule, or if, at any time, the Contractor has reason to believe that the total cost of the Government for the performance of this contract, exclusive of any fee, will be greater or substantially less than the then estimated cost hereof, the Contractor shall notify the Contracting Officer in writing to that effect, giving the revised estimate of such total cost for the performance of this contract.

(b) Except as required by other provisions of this contract specifically citing and stated to be an exception from this clause, the Government shall not be obligated to reimburse the Contractor for costs incurred in excess of the estimated cost set forth in the Schedule, and the Contractor shall not be obligated to continue performance under the contract (including actions under the Termination clause) or otherwise to incur costs in excess of the estimated cost set forth in the Schedule, unless and until the Contracting Officer shall have notified the Contractor in writing that such estimated cost has been increased and shall have specified in such notice a revised estimated cost which shall thereupon constitute the estimated cost of performance of this contract. No notice, communication, or representation in any other form or from any person other than the Contracting Officer shall affect the estimated cost of this contract. In the absence of the specified notice, the Government shall not be obligated to reimburse the Contractor for any costs in excess of the estimated cost set forth in the Schedule, whether those excess costs were incurred during the course of the contract or as a result of termination. When and to the extent that the estimated cost set forth in the Schedule has been increased, any costs incurred by the Contractor in excess of the estimated cost prior to such increase shall be allowable to the same extent as if such costs had been incurred after the increase; unless the Contracting Officer issues a termination or other notice and directs that the increase is solely for the purpose of covering termination or other specified expenses.

(c) Change orders issued pursuant to the Changes clause of this contract shall not be considered an authorization to the Contractor to exceed the estimated cost set forth in the Schedule in the absence of a statement in the change order, or other contract modification, increasing the estimated cost.

(d) In the event that this contract is terminated or the estimated cost not increased, the Government and the Contractor shall negotiate and equitable distribution of all property produced or purchased under the contract based upon the share of costs incurred by each.

5. ALLOWABLE COST, FIXED-FEE AND PAYMENT. (1-7.202-4) and (1-7.402-3)

(a) For the performance of this contract, the Government shall pay to the Contractor:

(1) The cost thereof (hereinafter referred to as "allowable cost") determined by the Contracting Officer to be allowable in accordance with:

(i) Subpart 1.15.2 of the Federal Procurement Regulations (41 CFR 1-15.2), as in effect on the date of this contract; and

(ii) The terms of this contract; and

(2) Such fixed-fee, if any, as may be provided for in the Schedule.

(b) Payments shall be made to the Contractor when requested as work progresses, but not more frequently than bi-weekly, in amounts approved by the Contracting Officer. The Contractor may submit to an authorized representative of the Contracting Officer, in such form and reasonable detail as such representative may require, an invoice or public voucher supported by a statement of cost for the performance of this contract and claimed to constitute allowable cost. For this purpose, except as provided herein with respect to pension contributions, the term "costs" shall include only those recorded costs which result, at the time of the request for reimbursement, from payment by cash, check, or other form of actual payment for items or services purchased directly for the contract, together with (when the Contractor is not delinquent in payment of costs of contract performance in the ordinary course of business) costs incurred, but not necessarily paid, for materials which have been issued from the Contractor's stores inventory and placed in the production process for use on the contract, for direct labor, for direct travel, for other direct inhouse costs, and for properly allocable and allowable indirect costs, as is shown by records maintained by the Contractor for purposes of obtaining reimbursements under Government contracts plus the amount of progress payments which have been paid to the Contractor's subcontractors under similar cost standards. In addition, when pension contributions are paid by the Contractor to the retirement fund less frequently than quarterly, accrued costs therefore shall be excluded from indirect costs therefore for payment purposes until such costs are paid. If pension contributions are paid on a quarterly or more frequent basis, accruals therefor may be included in indirect costs for payment purposes provided that they are paid to the fund within 30 days after the close of the period covered. If payments are not made to the fund within such 30-day period, pension contribution costs shall be excluded from indirect cost for payment purposes until payment has been made. The restriction on payment more frequently than bi-weekly and the requirement of prior payment for items or services purchased directly for the contract shall not apply when the Contractor is a small business concern.

(c) Promptly after receipt of each invoice or voucher and statement of cost, the Government shall, except as otherwise provided in this contract

subject to the provisions of (d), below, make payment thereon as approved by the Contracting Officer. Payment of the fixed-fee, if any, shall be made to the Contractor as specified in the Schedule: Provided, however, That after payment of 85 percent of the fixed-fee set forth in the Schedule, the Contracting Officer may withhold further payment of fee until a reserve shall have been set aside in an amount which he considers necessary to protect the interests of the Government, but such reserve shall not exceed 15 percent of the total fixed-fee, or \$100,000, whichever is less.

(d) At any time or times prior to final payment under this contract the Contracting Officer may have the invoices or vouchers and statements of cost audited. Each payment theretofore made shall be subject to reduction for amounts included in the related invoice or voucher which are found by the Contracting Officer, on the basis of such audit, not to constitute allowable cost. Any payment may be reduced for overpayments, or increased for underpayments, on preceding invoices or vouchers.

(e) On receipt and approval of the invoice or voucher designated by the Contractor as the "completion invoice" or "completion voucher" and upon compliance by the Contractor with all the provisions of this contract (including without limitation, the provisions relating to patents and the provisions of (f), below), the Government shall promptly pay to the Contractor any balance of allowable cost, and any part of the fixed-fee, which has been withheld pursuant to (c), above, or otherwise not paid to the Contractor. The completion invoice or voucher shall be submitted by the Contractor promptly following completion of the work under this contract but in no event later than 1 year (or such longer periods as the Contracting Officer may in his discretion approved in writing) from the date of such completion.

(f) The Contractor agrees that any refunds, rebates, credits, or other amounts (including any interest thereon) accruing to or received by the Contractor or any assignee under this contract shall be paid by the Contractor to the Government, to the extent that they are properly allocable to costs for which the Contractor has been reimbursed by the Government under this contract. Reasonable expenses incurred by the Contractor for the purpose of securing such refunds, rebates, credits, or other amounts shall be allowable costs hereunder when approved by the Contracting Officer. Prior to final payment under this contract, the Contractor and each assignee under this contract whose assignment is in effect at the time of final payment under this contract shall execute and deliver:

(1) An assignment to the Government, in form and substance satisfactory to the Contracting Officer, of refunds, rebates, credits, or other amounts (including any interest thereon), properly allocable to costs for which the Contractor has been reimbursed by the Government under this contract; and

(2) A release discharging the Government its officers, agents, and employees from all liabilities, obligations, and claims arising out of or under this contract, subject only to the following exceptions:

(i) Specified claims in stated amounts or in estimated amounts where the amounts are not susceptible of exact statement by the Contractor;

(ii) Claims, together with reasonable expenses incidental thereto, based upon liabilities of the Contractor to third parties arising out of the performance of this contract: provided, however, that such claims are not known to the Contractor on the date of the execution of the release; and provided further, that the Contractor gives notice of such claims in writing to the Contracting Officer not more than 6 years after the date of the release or the date of any notice to the Contractor that the Government is prepared to make final payment, whichever is earlier; and

(iii) Claims for reimbursement of costs (other than expenses of the Contractor by reason of its indemnification of the Government against patent liability), including reasonable expenses incidental thereto, incurred by the Contractor under the provisions of this contract relating to patents.

(g) Any costs incurred by the Contractor under the terms of this contract which would constitute allowable cost under the provisions of this clause shall be included in determining the amount payable under this contract, notwithstanding any provisions contained in the specifications or other documents incorporated in the contract by reference, designating services to be performed or materials to be furnished by the Contractor at his expense or without cost to the Government.

6. STANDARDS OF WORK (1-7.402-4)

The Contractor agrees that the performance of work and services pursuant to the requirements of this contract shall conform to high professional standards.

7. INSPECTION AND CORRECTION OF DEFECTS (1-7.402-5)

(a) All work under this contract shall be subject to inspection and test by the Government (to the extent practicable) at all times (including the period of performance) and places, and in any event prior to acceptance. The Contractor shall provide and maintain an inspection system acceptable to the Government covering the work hereunder. The Government, through any authorized representative, may inspect the plant or plants of the Contractor or of any of his subcontractors engaged in the performance of this contract. If any inspection or test is made by the Government on the premises of the Contractor or a subcontractor the Contractor shall provide and shall require subcontractors to provide all reasonable facilities and assistance for the safety and convenience of the Government inspectors in the performance of their duties. All inspections and tests by the Government shall be performed in such a manner as will not unduly delay the work. Except as otherwise provided in this contract, final inspection and acceptance shall be made at the place of delivery as promptly as practicable after delivery and shall be deemed to have been made no later than 90 days after the date of such delivery, if acceptance has not been made earlier within such period.

(b) At any time during performance of this contract, but not later than 6 months (or such other time as may be provided in the Schedule) after acceptance of all of the end items (other than designs, drawings, or reports) to be delivered under this contract, the Government may require the Contractor to remedy by correction or replacement, as directed by the Contracting Officer, any failure by the Contractor to comply with the requirements of this contract. Any time devoted to such correction or replacement shall not be included in the computation of the period of time specified in the preceding sentence, except as provided in (d), below, except as otherwise provided in paragraph (c), below, the allowability of the cost of any such replacement or correction shall be determined as provided in the clause of this contract entitled "Allowable Cost, Fixed Fee, and Payment," but no additional fee shall be payable with respect thereto. Corrected articles shall not be tendered again for acceptance unless the former tender and the requirement of correction is disclosed. If the Contractor fails to proceed with reasonable promptness to perform such replacement or correction, the Government (1) may by contract or otherwise perform such replacement or correction and charge to the Contractor any increased cost occasioned the Government thereby..or may reduce any fixed fee payable under the contract (or require repayment of any fixed fee theretofore paid) in such amount as may be equitable under the circumstances, or (2) in the case of articles not delivered, may require the delivery of such articles, and shall have the right to reduce any fixed fee payable under this contract (or to require repayment of any fixed fee theretofore paid) in such amount as may be equitable under the circumstances, or (3) may terminate this contract for default. Failure to agree to the amount of any such increased cost to be charged to the Contractor or to such reduction in, or repayment of, the fixed fee, shall be deemed to be a dispute concerning a question of fact within the meaning of the clause of this contract entitled "Disputes."

(c) Notwithstanding the provisions of paragraph (b), above, the Government may at any time require the Contractor to remedy by correction or replacement, without cost to the Government, any failure by the Contractor to comply with the requirements of this contract, if such failure is due to fraud, lack of good faith, or willful misconduct on the part of any of the Contractor's directors or officers, or on the part of any of his managers, superintendents, or other equivalent representatives, who has supervision or direction of (1) all or substantially all of the Contractor's business, or (2) all or substantially all of the Contractor's operations at any one plant or separate location in which this contract is being performed, or (3) a separate and complete major industrial operation in connection with the performance of this contract. The Government may at any time also require the Contractor to remedy by correction or replacement, without cost to the Government, any such failure caused by one or more individual employees selected or retained by the Contractor after any such supervisory personnel has reasonable grounds to believe that any employee is habitually careless or otherwise unqualified.

(d) The provisions of paragraph (b), above, shall apply to any corrected or replacement end item or component until 6 months after its acceptance.

(e) The Contractor shall make his records of all inspection work available to the Government during the performance of this contract and for such longer period as may be specified in this contract.

(f) Except as provided in this clause and as may be provided in the Schedule, the Contractor shall have no obligation or liability to correct or replace articles which at the time of delivery are defective in material or workmanship or otherwise not in conformity with the requirements of this contract.

(g) Except as otherwise provided in the Schedule, the Contractor's obligation to correct or replace Government-furnished property (which is property in the possession of or acquired directly by the Government and delivered or otherwise made available to the Contractor) shall be governed by the provisions of the clause of this contract entitled "Government Property."

8. ASSIGNMENT (9-7.5006-46)

Neither this contract nor an interest therein nor claim thereunder shall be assigned or transferred by the contractor except as expressly authorized in writing by the Contracting Officer.

9. EXAMINATION OF RECORDS BY COMPTROLLER GENERAL (1-7. 103-3 and 9-7.5004-10)

(a) This clause is applicable if the amount of this contract exceeds \$10,000 and was entered into by means of negotiation, including small business restricted advertising, but is not applicable if this contract was entered into by means of formal advertising.

(b) The contractor agrees that the Comptroller General of the United States or any of his duly authorized representatives shall, until the expiration of 3 years after final payment under this contract unless the Commission authorizes their prior disposition, have access to and the right to examine any directly pertinent books, documents, papers, and records of the contractor involving transactions related to this contract.

(c) The contractor further agrees to include in all his subcontracts hereunder a provision to the effect that the subcontractor agrees that the Comptroller General of the United States or any of his duly authorized representatives shall, until the expiration of 3 years after final payment under the subcontract unless the Commission authorizes their prior disposition, have access to and the right to examine any directly pertinent books, documents, papers, and records of such subcontractor, involving transactions related to the subcontract. The term "subcontract" as used in this clause excludes (1) purchase orders not exceeding \$10,000 and (2) subcontracts or purchase orders for public utility services at rates established for uniform applicability to the general public.

(d) The periods of access and examination described in (b) and (c), above, for records which relate to (1) appeals under the "Disputes" clause of this contract, (2) litigation or the settlement of claims arising out of the performance of this contract, or (3) costs and expenses of this contract as to which exception has been taken by the Comptroller General or any of his duly authorized representatives, shall continue until such appeals, litigation, claims, or exceptions have been disposed of.

(e) Nothing in this contract shall be deemed to preclude an audit by the General Accounting Office of any transaction under this contract.

10. SUBCONTRACTS (1-7.402-8)

(a) The Contractor shall notify the Contracting Officer reasonably in advance of entering into any subcontract which (1) is cost-reimbursement type, time and materials, or labor-hour, or (2) is fixed-price type and exceeds in dollar amount either \$25,000 or 5 percent of the total estimated cost of this contract, or (3) provides for the fabrication, purchase, rental, installation, or other acquisition of special test equipment having a value in excess of \$1,000 or of any it us of industrial facilities, or (4) has experimental, developmental or research work as one of its purposes.

(b) In the case of a proposed subcontract which is (1) cost-reimbursement type, time and materials, or labor-hour which would involve an estimated amount in excess of \$10,000, including any fee, (2) is proposed to exceed \$100,000, or (3) is one of a number of subcontracts under this contract with a single subcontractor for the same or related supplies or services which, in the aggregate are expected to exceed \$100,000, the advance notification required by (a), above, shall include:

(1) A description of the supplies or services to be called for by the subcontract;

(2) Identification of the proposed subcontractor and an explanation of why and how the proposed subcontractor was selected, including the degree of competition obtained;

(3) The proposed subcontract price, together with the Contractor's cost or price analysis thereof;

(4) The subcontractor's current, complete, and accurate cost or pricing data and Certificate of Current Cost or Pricing Data when such data and certificate are required by other provisions of this contract to be obtained from the subcontractor;

(5) Identification of the type of subcontract to be used;

(6) A memorandum of negotiation which sets forth the principal elements of the subcontract price negotiations. A copy of this memorandum shall be retained in the Contractor's file for the use of Government reviewing authorities. The memorandum shall be in sufficient detail to reflect the most significant considerations controlling the establishment of initial or revised prices. The memorandum should include an explanation of why cost or pricing data was, or was not required, and, if it was not required in the case of any price negotiation in excess of \$100,000, a statement of the basis for determining that the price resulted from or was based on adequate price competition, established catalog or market prices of commercial items sold in substantial quantities to the general public, or prices set by law or regulation. If cost or pricing data was submitted and a certificate of cost or pricing data was required, the memorandum shall reflect the extent to which reliance was not placed upon the factual cost or pricing data submitted and the extent to which this data was not used by the Contractor in determining the total price objective and in negotiating the final price. The memorandum shall also reflect the extent to which it was recognized in the negotiation that any cost or pricing data submitted by the subcontractor was not accurate, complete, or current; the action taken by the Contractor and the subcontractor as a result; and the effect, if any, of such defective data on the total price negotiated. Where the total price negotiated differs significantly from the Contractor's total price objective, the memorandum shall explain this difference;

(7) When incentives are used, the memorandum of negotiation shall contain an explanation of the incentive fee/profit plan identifying each critical performance element, management decisions used to quantify each incentive element, reasons for incentives on particular performance characteristics, and a brief summary of trade-off possibilities considered as to cost, performance, and time; and

(8) The subcontractor's Disclosure Statement or Certificate relating to Cost Accounting Standards when such data are required by other provisions of this contract to be obtained from the subcontractor.

(c) The Contractor shall obtain the written consent of the Contracting Officer prior to placing any subcontract for which advance notification is required under (a) above. The Contracting Officer may, in his discretion, ratify in writing any such subcontract; such action shall constitute the consent of the Contracting Officer as required by this paragraph (c).

(d) The Contractor agrees that no subcontract placed under this contract shall provide for payment on a cost-plus-a-percentage-of-cost basis.

(e) The Contracting Officer may, in his discretion, specifically approve in writing any of the provisions of a subcontract. However, such approval or the consent of the Contracting Officer obtained as required by this clause shall not

be construed to constitute a determination of the allowability of any cost under this contract, unless such approval specifically provides that it constitutes a determination of the allowability of such cost.

(f) The Contractor shall give the Contracting Officer immediate notice in writing of any action or suit filed, and prompt notice of any claim made against the Contractor by any subcontractor or vendor which in the opinion of the Contractor, may result in litigation, related in any way to this contract, with respect to which the Contractor may be entitled to reimbursement from the Government.

(g) Notwithstanding (c) above, the Contractor may enter into subcontracts within (i) or (ii) of (a) above, without the consent of the Contracting Officer, if the Contracting Officer has approved in writing the Contractor's procurement system and the subcontract is within the scope of such approval. (This subparagraph (g) however, shall not be applicable to those subcontracts subject to paragraph (j) below, if any.)

(h) To facilitate small business participation in subcontracting under this contract, the Contractor agrees to provide progress payments on the fixed-price types of subcontracts of those subcontractors which are small business concerns, in conformity with the standards for customary progress payments stated in the Federal Procurement Regulations, Subpart 1-30.5, as in effect on the date of this contract. The Contractor further agrees that the need for such progress payments will not be considered as a handicap or adverse factor in the award of subcontracts.

(i) The Contractor shall select subcontractors (including suppliers) on a competitive basis to the maximum extent consistent with the objectives and requirements of this Contract.

11. UTILIZATION OF SMALL BUSINESS CONCERNS (1-1.710-3(a))

(Applicable to contracts exceeding \$10,000)

(a) It is the policy of the Government as declared by the Congress that a fair proportion of the purchases and contracts for supplies and services for the Government be placed with small business concerns.

(b) The contractor agrees to accomplish the maximum amount of subcontracting to small business concerns that the contractor finds to be consistent with the efficient performance of this contract.

12. TERMINATION FOR DEFAULT OR FOR CONVENIENCE OF THE GOVERNMENT (1-8.702)

(a) The performance of work under the contract may be terminated by the Government in accordance with this clause in whole, or from time to time in part:

(1) Whenever the contractor shall default in performance of this contract in accordance with its terms (including in the term "default" any such failure by the contractor to make progress in the prosecution of the work hereunder as endangers such performance), and shall fail to cure such default within a period of ten days (or such longer period as the Contracting Officer may allow) after receipt from the Contracting Officer of a notice specifying the default; or

(2) Whenever for any reason the Contracting Officer shall determine that such termination is in the best interest of the Government.

Any such termination shall be effected by delivery to the contractor of a Notice of Termination specifying whether termination is for the default of the contractor or for the convenience of the Government, the extent to which performance of work under the contract is terminated, and the date upon which such termination becomes effective. If, after notice of termination of this contract for default under (1) above, it is determined for any reason that the contractor was not in default pursuant to (1), or that the contractor's failure to perform or to make progress in performance is due to causes beyond the control and without the fault or negligence of the contractor pursuant to the provisions of the clause of this contract relating to excusable delays, the Notice of Termination shall be deemed to have been issued under (2) above, and the rights and obligations of the parties hereto shall in such event be governed accordingly.

(b) After receipt of a Notice of Termination and except as otherwise directed by the Contracting Officer, the contractor shall:

(1) Stop work under the contract on the date and to the extent specified in the Notice of Termination;

(2) Place no further orders or subcontracts for materials, services, or facilities, except as may be necessary for completion of such portion of the work under the contract as is not terminated;

(3) Terminate all orders and subcontracts to the extent that they relate to the performance of work terminated by the Notice of Termination;

(4) Assign to the Government, in the manner and to the extent directed by the Contracting Officer, all of the right, title, and interest of the contractor under the orders or subcontracts so terminated, in which case the Government shall have the right, in its discretion, to settle or pay any or all claims arising out of the termination of such orders and subcontracts;

(5) With the approval or ratification of the Contracting Officer, to the extent he may require, which approval or ratification shall be final and conclusive for all purposes of this clause, settle all outstanding liabilities

and all claims arising out of such termination of orders and subcontracts, the cost of which would be reimbursable in whole or in part, in accordance with the provisions of this contract;

(6) Transfer title to the Government (to the extent that title has not already been transferred) and deliver in the manner, at the times and to the extent directed by the Contracting Officer, (i) the fabricated or unfabricated parts, work in process, completed work, supplies, and other material produced as a part of, or acquired in respect of the performance of, the work terminated by the Notice of Termination; (ii) the completed or partially completed plans, drawings, information, and other property which, if the contract had been completed, would be required to be furnished to the Government; and (iii) the jigs, dies, and fixtures, and other special tools and tooling acquired or manufactured for the performance of this contract for the cost of which the contractor has been or will be reimbursed under this contract;

(7) Use his best efforts to sell; in the manner, at the times, to the extent, and at the price or prices directed or authorized by the Contracting Officer, any property of the types referred to in (6) above: Provided, however, That the contractor (i) shall not be required to extend credit to any purchaser, and (ii) may acquire any such property under the conditions prescribed by and at a price or prices approved by the Contracting Officer: And provided further, That the proceeds of any such transfer or disposition shall be applied in reduction of any payments to be made by the Government to the contractor under this contract or shall otherwise be credited to the price or cost of the work covered by this contract or paid in such other manner as the Contracting Officer may direct;

(8) Complete performance of such part of the work as shall not have been terminated by the Notice of Termination; and

(9) Take such action as may be necessary, or as the Contracting Officer may direct, for the protection and preservation of the property related to this contract which is in the possession of the contractor and in which the Government has or may acquire an interest.

The contractor shall proceed immediately with the performance of the above obligations notwithstanding any delay in determining or adjusting the amount of the fee, or any item of reimbursable cost, under this clause. At any time after expiration of the plant clearance period, as defined in Subpart 1-8.1 of the Federal Procurement Regulations (41 CFR 1-8.1), as the definition may be amended from time to time, the contractor may submit to the Contracting Officer a list, certified as to quantity and quality, of any or all items of termination inventory not previously disposed of, exclusive of items the disposition of which has been directed or authorized by the Contracting Officer, and may request the Government to remove such items or enter into a storage agreement covering them. Not later than fifteen (15) days thereafter, the Government will accept such items and remove them or enter into a storage agreement covering the same: Provided, That the list submitted shall be subject to verification by the Contracting Officer upon removal of

the items or, if the items are stored, within forty-five (45) days from the date of submission of the list, and any necessary adjustment to correct the list as submitted shall be made prior to final settlement.

(c) After receipt of a Notice of Termination, the contractor shall submit to the Contracting Officer his termination claim in the form and with the certification prescribed by the Contracting Officer. Such claim shall be submitted promptly but in no event later than one year from the effective date of termination, unless one or more extensions in writing are granted by the Contracting Officer upon request of the contractor made in writing within such one-year period or authorized extension thereof. However, if the Contracting Officer determines that the facts justify such action, he may receive and act upon any such termination claim at any time after such one-year period or any extension thereof. Upon failure of the contractor to submit his termination claim within the time allowed, the Contracting Officer may, subject to any review required by the contracting agency's procedures in effect as of the date of execution of this contract, determine, on the basis of information available to him, the amount, if any, due to the contractor by reason of the termination and shall thereupon pay to the contractor the amount so determined.

(d) Subject to the provisions of paragraph (c), and subject to any review required by the contracting agency's procedures in effect as of the date of execution of this contract, the contractor and the Contracting Officer may agree upon the whole or any part of the amount or amounts to be paid (including an allowance for the fee) to the contractor by reason of the total or partial termination of work pursuant to this clause. The contract shall be amended accordingly, and the contractor shall be paid the agreed amount.

(e) In the event of the failure of the contractor and the Contracting Officer to agree in whole or in part, as provided in paragraph (d), as to the amounts with respect to costs and fee, or as to the amount of the fee, to be paid to the contractor in connection with the termination of work pursuant to this clause, the Contracting Officer shall, subject to any review required by the contracting agency's procedures in effect as of the date of execution of this contract, determine, on the basis of information available to him, the amount, if any, due to the contractor by reason of the termination and shall pay to the contractor the amount determined as follows:

(1) If the settlement includes cost and fee--

(1) There shall be included therein all costs and expenses reimbursable in accordance with this contract, not previously paid to the contractor for the performance of this contract prior to the effective date of the Notice of Termination, and such of these costs and may continue for a reasonable time thereafter with the approval of or as directed by the Contracting Officer: Provided, however, That the contractor shall proceed as rapidly as practicable to discontinue such costs;

(ii) There shall be included therein so far as not included under (i) above, the cost of settling and paying claims arising out of the termination of work under subcontracts or orders, as provided in paragraph (b)(5) above, which are properly chargeable to the terminated portion of the contract;

(iii) There shall be included therein the reasonable costs of settlement, including accounting, legal, clerical, and other expenses reasonably necessary for the preparation of settlement claims and supporting data with respect to the terminated portion of the contract and for the termination and settlement of subcontracts thereunder, together with reasonable storage, transportation, and other costs incurred in connection with the protection or disposition of termination inventory: Provided, however, That if the termination is for default of the contractor there shall not be included any amounts for the preparation of the contractor's settlement proposal; and

(iv) There shall be included therein a portion of the fee payable under the contract determined as follows--

(A) In the event of the termination of this contract for the convenience of the Government and not for the default of the contractor, there shall be paid a percentage of the fees equivalent to the percentage of the completion of work contemplated by the contract, but exclusive of subcontract effort included in subcontractors' termination claims, less fee payments previously made hereunder; or

(B) In the event of the termination of this contract for the default of the contractor, the total fee payable shall be such proportionate part of the fee (or, if this contract calls for articles of different types, of such part of the fee as is reasonably allocable to the type of article under consideration) as the total number of articles delivered to and accepted by the Government bears to the total number of articles of a like kind called for by this contract.

If the amount determined under this subparagraph (1) is less than the total payment theretofore made to the contractor, the contractor shall repay to the Government the excess amount.

(2) If the settlement includes only the fee, the amount thereof will be determined in accordance with subparagraph (1)(iv) above.

(f) Costs claimed, agreed to, or determined pursuant to paragraphs (c), (d), and (e) of this clause shall be in accordance with the contract cost principles and procedures in FPR 1-15.2.

(g) The contractor shall have the right of appeal, under the clause of this contract entitled "Disputes," from any determination made by the Contracting Officer under paragraph (c) or (e) above, except that, if the contractor has failed

to submit his claim within the time provided in paragraph (c) above and has failed to request extension of such time, he shall have no such right of appeal. In any case where the Contracting Officer has made a determination of the amount due under paragraph (c) or (e) above, the Government shall pay to the contractor the following: (1) If there is no right of appeal hereunder or if no timely appeal has been taken, the amount so determined by the Contracting Officer, or (2) if an appeal has been taken, the amount finally determined on such appeal.

(h) In arriving at the amount due the contractor under this clause there shall be deducted (1) all unliquidated advance or other payments theretofore made to the contractor, applicable to the terminated portion of this contract, (2) any claim which the Government may have against the contractor in connection with this contract, and (3) the agreed price for, or the proceeds for sale of, any materials, supplies, or other things acquired by the contractor or sold pursuant to the provisions of this clause and not otherwise recovered by or credited to the Government.

(i) In the event of a partial termination, the portion of the fee which is payable with respect to the work under the continued portion of the contract shall be equitably adjusted by agreement between the contractor and Contracting Officer and such adjustment shall be evidenced by an amendment of this contract.

(j) The Government may from time to time, under such terms and conditions as it may prescribe, make partial payments and payments on account against costs incurred by the contractor in connection with the terminated portion of the contract whenever in the opinion of the Contracting Officer the aggregate of such payments shall be within the amount to which the contractor will be entitled hereunder. If the total of such payments is in excess of the amount finally determined to be due under this clause, such excess shall be payable by the contractor to the Government upon demand, together with interest computed at the rate of 6 percent per annum, for the period from the date such excess payment is received by the contractor to the date on which excess is repaid to the Government: Provided, however, That no interest shall be charged with respect to any such excess payment attributable to a reduction in the contractor's claim by reason of retention or other disposition of termination inventory until 10 days after the date of such retention or disposition, or such later date as determined by the Contracting Officer by reason of the circumstances.

(k) The provisions of this clause relating to the fee shall be inapplicable if this contract does not provide for payment for a fee.

13. DISPUTES (1-7.102-12)

(a) Except as otherwise provided in this contract, any dispute concerning a question of fact arising under this contract which is not disposed of by agreement shall be decided by the Contracting Officer, who shall reduce his

decision to writing and mail or otherwise furnish a copy thereof to the contractor. The decision of the Contracting Officer shall be final and conclusive unless within 30 days from the date of receipt of such copy, the contractor mails or otherwise furnishes to the Contracting Officer a written appeal addressed to the Commission. The decision of the Commission or its duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious, or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence. In connection with any appeal proceeding under this clause, the contractor shall be afforded an opportunity to be heard and to offer evidence in support of its appeal. Pending final decision of a dispute hereunder, the contractor shall proceed diligently with the performance of the contract and in accordance with the Contracting Officer's decision.

(b) This "Disputes" clause does not preclude consideration of law questions in connection with decisions provided for in paragraph (a) above: Provided, That nothing in this contract shall be construed as making final the decision of any administrative official, representative, or board on a question of law.

14. BUY AMERICAN ACT (1-6.104-5) (9-7.5004-16)

(a) In acquiring end products, the Buy American Act (41 U.S. Code 10a-10d) provides that the Government give preference to domestic source end products. For the purpose of this clause:

(i) "Components" means those articles, materials, and supplies which are directly incorporated in the end products;

(ii) "End products" means those articles, materials, and supplies which are to be acquired under this contract for public use; and

(iii) A "domestic source end product" means (A) an unmanufactured end product which has been mined or produced in the United States and (B) an end product manufactured in the United States if the cost of the components thereof which are mined, produced, or manufactured in the United States exceeds 50 percent of the cost of all its components. For the purposes of this (a) (iii) (B), components of foreign origin of the same type of kind as the products referred to in (b) (i) or (ii) of this clause shall be treated as components mined, produced, or manufactured in the United States.

(b) The Contractor agrees that there will be used under this contract (by the Contractor, subcontractor, materialmen and suppliers) only domestic source end products, except end products:

(i) Which are for use outside the United States;

(ii) Which the Government determines are not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities and of a satisfactory quality;

(iii) As to which the Commission determines the domestic preference to be inconsistent with the public interest; or

(iv) As to which the Commission determines the cost to the Government to be unreasonable.

15. CONVICT LABOR (1-12.204)

In connection with the performance of work under this contract the Contractor agrees not to employ any person undergoing sentence of imprisonment except as provided by Public Law 89-176, September 10, 1965 (18 U.S.C. 4082(c) (2)) and Executive Order 11755, December 29, 1973.

16. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT - OVERTIME COMPENSATION (1-12.303)

This contract, to the extent that it is of a character specified in the Contract Work Hours and Safety Standards Act (40 U.S.C. 327-333), is subject to the following provisions and to all other applicable provisions and exceptions of such act and the regulations of the Secretary of Labor thereunder.

(a) Overtime Requirement. No Contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers, mechanics, apprentices, trainees, watchmen, and guards shall require or permit any laborer, mechanic, apprentice, trainee, watchman, or guard in any workweek in which he is employed on such work to work in excess of 8 hours in any calendar day or in excess of 40 hours in such workweek on work subject to the provisions of the Contract Work Hours and Safety Standards Act unless such laborer, mechanic, apprentice, trainee, watchman, or guard receives compensation at a rate not less than one and one-half times his basic rate of pay for all such hours worked in excess of 8 hours in any calendar day or in excess of 40 hours in such workweek, whichever is the greater number of overtime hours.

(b) Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the provisions of paragraph (a), the Contractor and any subcontractor responsible therefor shall be liable to any affected employee for his unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer, mechanic, apprentice, trainee, watchman, or guard employed in violation of the provisions of paragraph (a) in the sum of \$10 for each calendar day on which such employee was required or permitted to be employed on such work in excess of 8 hours or in excess of his standard workweek of 40 hours without payment of the overtime wages required by paragraph (a).

(c) Withholdings for unpaid wages and liquidated damages. The Contracting Officer may withhold from the Government Prime Contractor, from any moneys payable on account of work performed by the Contractor or subcontractor, such sums as may

administratively be determined to be necessary to satisfy any liabilities of such Contractor or subcontractor for unpaid wages and liquidated damages as provided in the provisions of paragraph (b).

(d) Subcontracts. The Contractor shall insert paragraphs (a) through (d) of this clause in all subcontracts, and shall require their inclusion in all subcontracts of any tier.

(e) Records. The Contractor shall maintain payroll records containing the information specified in 29 CFR 516.2(a). Such records shall be preserved for 3 years from the completion of the contract.

17. EQUAL OPPORTUNITY (1-12.803-2).

(The following clause is applicable unless this contract is exempt under the rules, regulations, and relevant orders of the Secretary of Labor (41 CFR, ch. 60)).

During the performance of this contract, the contractor agrees as follows:

(a) The contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, creed, color, or national origin. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Contracting Officer setting forth the provisions of this Equal Opportunity clause.

(b) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, or national origin.

(c) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency Contracting Officer, advising the labor union or workers' representative of the contractor's commitments under this Equal Opportunity clause, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

(d) The contractor will comply with all provisions of Executive Order No. 11246 of September 24, 1965, and of the rules, regulations, and relevant orders of the Secretary of Labor.

(e) The contractor will furnish all information and reports required by Executive Order No. 11246 of September 24, 1965, and by the rules, regulations, and orders of the Secretary of Labor, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Secretary of Labor for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

(f) In the event of the contractor's noncompliance with the Equal Opportunity clause of this contract or with any of the said rules, regulations, or orders, this contract may be cancelled, terminated, or suspended, in whole or in part, and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 11246 of September 24, 1965, and such other sanctions may be imposed and remedies invoked as provided in Executive Order No. 11246 of September 24, 1965, or by rule, regulation, or order of the Secretary of Labor, or as otherwise provided by law.

(g) The contractor will include the provisions of paragraphs (a) through (g) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 204 of Executive Order No. 11246 of September 24, 1965, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, That in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.

18. OFFICIALS NOT TO BENEFIT (1-7.202-17)

No member of or delegate to Congress, or resident commissioner, shall be admitted to any share or part of this contract, or to any benefit that may arise therefrom; but this provisions shall not be construed to extend to this contract if made with a corporation for its general benefit.

19. COVENANT AGAINST CONTINGENT FEES (1-1.503) (9-7.5004-2)

(a) Warranty--Termination or deduction for breach.

The contractor warrants that no person or selling agency has been employed or retained to solicit or secure this contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by the contractor for the purpose of securing business. For breach or violation of this warranty the Government shall have the right to annul this contract without liability or in its discretion to deduct from the contract price or consideration or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.

(b) Subcontracts and purchase orders.

Unless otherwise authorized by the Contracting Officer in writing, the contractor shall cause provisions similar to the foregoing to be inserted in all subcontracts and purchase orders entered into under this contract.

20. NOTICE AND ASSISTANCE REGARDING PATENT AND COPYRIGHT INFRINGEMENT
(1-7.103-4) (Applicable to Contracts exceeding \$10,000)

(a) The Contractor shall report to the Contracting Officer, promptly and in reasonable written detail, each notice or claim of patent or copyright infringement based on the performance of this contract of which the Contractor has knowledge.

(b) In the event of any claim or suit against the Government, on account of any alleged patent or copyright infringement arising out of the performance of this Contract or out of the use of any supplies furnished or work or services performed hereunder, the Contractor shall furnish to the Government, when requested by the Contracting Officer, all evidence and information in possession of the Contractor pertaining to such suit or claim. Such evidence and information shall be furnished at the expense of the Government except where the Contractor has agreed to indemnify the Government.

21. PATENTS (1-9.107-5(a))

(a) Definitions.

(1) "Subject Invention" means any invention or discovery of the Contractor conceived or first actually reduced to practice in the course of or under this contract, and includes any art, method, process, machine, manufacture, design, or composition of matter, or any new and useful improvements thereof, or any variety of plant, which is or may be patentable under the Patent Laws of the United States of America or any foreign country.

(2) "Contract" means any contract, agreement, grant, or other arrangement, or subcontract entered into with or for the benefit of the Government where a purpose of the contract is the conduct of experimental, development, or research work.

(3) "States and domestic municipal governments" means the States of the United States, the District of Columbia, Puerto Rico, the Virgin Islands, American Samoa, Guam, the Trust Territory of the Pacific Islands, and any political subdivision and agencies thereof.

(4) "Government agency" includes an executive department, independent commission, board, office, agency, administration, authority, Government corporation, or other Government establishment of the executive branch of the

Government of the United States of America and for the purpose of this contract the U.S. Nuclear Regulatory Commission.

(5) "To the point of practical application" means to manufacture in the case of a composition of product, to practice in the case of a process, or to operate in the case of a machine and under such conditions as to establish that the invention is being worked and that its benefits are reasonably accessible to the public.

(b) Allocation of principal rights.

(1) Assignment to the Government. The Contractor agrees to assign to the Government the entire right, title, and interest throughout the world in and to each Subject Invention, except to the extent that rights are retained by the Contractor under paragraphs (b)(2) and (d) of this clause.

(2) Greater rights determinations. The Contractor or the employee-inventor with authorization of the Contractor may retain greater rights than the nonexclusive license provided in paragraph (d) of this clause in accordance with the procedure and criteria of 41 CFR 1-9.109-6. A request for determination whether the Contractor or the employee-inventor is entitled to retain such greater rights must be submitted to the Contracting Officer at the time of the first disclosure of the invention pursuant to paragraph (e) (2) (i) of this clause, or not later than 3 months thereafter, or such longer period as may be authorized by the Contracting Officer for good cause shown in writing by the Contractor. The information to be submitted for a greater rights determination is specified in 41 CFR 1-9.109-6. Each determination of greater rights under this contract normally shall be subject to paragraph (c) of this clause and to the reservations and conditions deemed to be appropriate by the agency.

(c) Minimum rights acquired by the Government. With respect to each Subject Invention to which the Contractor retains principal or exclusive rights, the Contractor:

(1) Hereby, grants to the Government a nonexclusive, nontransferable, paid-up license to make, use, and sell each Subject Invention throughout the world by or on behalf of the Government of the United States (including any Government agency) and States and domestic municipal governments;

(2) Agrees to grant to responsible applicants, upon request of the Government, a license on terms that are reasonable under the circumstances:

(1) Unless the Contractor, his license, or his assignee demonstrates to the Government that effective steps have been taken within 3 years after a patent issues on such invention to bring the invention to the point of practical application, or that the invention has been made available for licensing

royalty-free or on terms that are reasonable in the circumstances, or can show cause why the principal or exclusive rights should be retained for a further period of time; or

(ii) To the extent that the invention is required for public use by governmental regulations or as may be necessary to fulfill public health, safety or welfare needs, or for other public purposes stipulated in this contract;

(3) Shall submit written reports at reasonable intervals upon request of the Commission during the term of the patent on the Subject Invention regarding:

(i) The Commercial use that is being made or is intended to be made of the invention; and

(ii) The steps taken by the Contractor or his transferee to bring the invention to the point of practical application or to make the invention available for licensing;

(4) Agrees to refund any amounts received as royalty charges on any Subject Invention in procurements for or on behalf of the Government and to provide for that refund in any instrument transferring rights to any party in the invention; and

(5) Agrees to provide for the Government's paid-up license pursuant to paragraph (c) (1) of this clause in any instrument transferring rights in a Subject Invention and to provide for the granting of licenses as required by (2) of this clause, and for the reporting of utilization information to the Commission as required by paragraph (c) (3) of this clause whenever the instrument transfers principal or exclusive rights in any Subject Invention. Nothing contained in this paragraph (c) shall be deemed to grant to the Government any rights with respect to any invention other than a Subject Invention.

(d) Minimum rights to the Contractor.

(1) The Contractor reserves a revocable, nonexclusive, royalty-free license in each patent application filed in any country on a Subject Invention and any resulting patent in which the Government acquires title. The license shall extend to the Contractor's domestic subsidiaries and affiliates, if any, within the corporate structure of which the Contractor is a part and shall include the right to grant sublicenses of the same scope to the extent the Contractor was legally obligated to do so at the time the contract was awarded. The license shall be transferable only with approval of the Commission except when transferred to the successor of that part of the Contractor's business to which the invention pertains.

(2) The Contractor's nonexclusive domestic license retained pursuant to paragraph (d)(1) of this clause may be revoked or modified by the Commission to the extent necessary to achieve expeditious practical application of the Subject Invention under 41 CFR 101-4.103-3 pursuant to an application for exclusive license submitted in accordance with 41 CFR 101-4.104-3. This license shall not be revoked in that field of use and/or the geographical areas in which the Contractor has brought the invention to the point of practical application and continues to make the benefits of the invention reasonable accessible to the public. The Contractor's nonexclusive license in any foreign country reserved pursuant to paragraph (d)(1) of this clause may be revoked or modified at the discretion of the Commission to the extent the Contractor or his domestic subsidiaries or affiliates have failed to achieve the practical application of the invention in that foreign country.

(3) Before the modification or revocation of the license, pursuant to paragraph (d)(2) of this clause, the Commission shall furnish the Contractor a written notice of its intention to modify or revoke the license and the Contractor shall be allowed 30 days (or such longer period as may be authorized by the Commission for good cause shown in writing by the Contractor) after the notice to show cause why the license should not be modified or revoked. The Contractor shall have the right to appeal, in accordance with procedures prescribed by the Commission any decision concerning the modification or revocation of his license.

(e) Invention, identification, disclosures, and reports.

(1) The Contractor shall establish and maintain active and effective procedures to ensure that Subject Inventions are promptly identified and timely disclosed. These procedures shall include the maintenance of laboratory notebooks or equivalent records and any other records that are reasonably necessary to document the conception and/or the first actual reduction to practice of Subject Inventions, and records which show that the procedures for identifying and disclosing the inventions are followed. Upon request, the Contractor shall furnish the Contracting Officer a description of these procedures so that he may evaluate and determine their effectiveness.

(2) The Contractor shall furnish the Contracting Officer:

(1) A complete technical disclosure for each Subject Invention within 6 months after conception or first actual reduction to practice whichever occurs first in the course of or under the contract, but in any event prior to any on sale, public use, or publication of such invention known to the Contractor. The disclosure shall identify the contract and inventor and shall be sufficiently complete in technical detail and appropriately illustrated by sketch or diagram to convey to one skilled in the art to which the invention pertains a clear understanding of the nature, purpose, operation, and, to the extent known, the physical, chemical, biological, or electrical characteristics of the invention;

(ii) Interim reports at least every 12 months from the date of the contract listing Subject Inventions for that period and certifying that:

(A) The Contractor's procedures for identifying and disclosing Subject Inventions as required by this paragraph (e) have been followed throughout the reporting period; and

(B) All Subject Inventions have been disclosed or that there are no such inventions; and

(iii) A final report within 3 months after completion of the contract work, listing all Subject Inventions or certifying that there were no such inventions.

(3) The Contractor shall obtain patent agreements to effectuate the provisions of this clause from all persons in his employ who perform any part of the work under this contract except nontechnical personnel, such as clerical employees and manual laborers.

(4) The Contractor agrees that the Commission may duplicate and disclose Subject Invention disclosures and all other reports and papers furnished or required to be furnished pursuant to this clause.

(5) In order to protect the patent interest of the Government or the Contractor, the Contractor shall obtain the written approval of the Contracting Officer prior to the release or publication of the information in any Subject Invention disclosure by the Contractor or other parties acting on his behalf.

(f) Forfeiture of rights in unreported Subject Inventions.

(1) The Contractor shall forfeit to the Government all rights in any Subject Invention which he fails to disclose to the Contracting Officer within 6 months after the time he:

(i) Files or causes to be filed a United States or foreign application thereon; or

(ii) Submits the final report required by paragraph (e)(2)(iii) of this clause, whichever is later.

(2) However, the Contractor shall not forfeit rights in a Subject Invention if, within the time specified in (1)(i) or (1)(ii) of this paragraph (f), the Contractor:

(i) Prepared a written decision based upon a review of the record that the invention was neither conceived nor first actually reduced to practice in the course of or under the contract; or

(ii) Contending that the invention is not a Subject Invention, he nevertheless discloses the invention and all facts pertinent to his contention to the Contracting Officer; or

(iii) Establishes that the failure to disclose did not result from his fault or negligence.

(3) Pending written assignment of the patent applications and patents on a Subject Invention determined by the Contracting Officer to be forfeited (such determination to be a final decision under the Disputes Clause), the Contractor shall be deemed to hold the invention and the patent applications and patents pertaining thereto in trust for the Commission. The forfeiture provision of this paragraph (f) shall be in addition to and shall not supersede other rights and remedies which the Government may have with respect to Subject Inventions.

(g) Examination of records relating to inventions.

(1) The Contracting Officer or his authorized representative until the expiration of 3 years after final payment under this contract shall have the right to examine any books (including laboratory notebooks), records, documents, and other supporting data of the Contractor which the Contracting Officer reasonably deems pertinent to the discovery or identification of Subject Inventions or to determine compliance with the requirements of this clause.

(2) The Contracting Officer shall have the right to review all books (including laboratory notebooks), records and documents of the Contractor relating to the conception or first actual reduction to practice of inventions in the same field of technology as the work under this contract to determine whether any such inventions are Subject Inventions if the Contractor refuses or fails to:

(i) Establish the procedures of paragraph (e)(1) of this clause; or

(ii) Maintain and follow such procedures; or

(iii) Correct or eliminate any material deficiency in the procedures within thirty (30) days after the Contracting Officer notifies the Contractor of such a deficiency.

(h) Withholding of payment (Not applicable to Subcontracts).

(1) Any time before final payment of the amount of this contract, the Contracting Officer may, if he deems such action warranted, withhold payment until a reserve not exceeding \$50,000 or 5 percent of the amount of this contract, whichever is less, shall have been set aside if in his opinion the Contractor fails to:

(i) Establish, maintain, and follow effective procedures for identifying and disclosing Subject Inventions pursuant to paragraph (e)(1) of this clause; or

(ii) Disclose any Subject Invention pursuant to paragraph (e)(2)(i) of this clause; or

(iii) Deliver acceptable interim reports pursuant to paragraph (e)(2)(ii) of this clause; or

(iv) Provide the information regarding subcontracts pursuant to paragraph (i)(5) of this clause.

The reserve or balance shall be withheld until the Contracting Officer has determined that the Contractor has rectified whatever deficiencies exist and has delivered all reports, disclosures, and other information required by this clause.

(2) Final payment under this contract shall not be made before the Contractor delivers to the Contracting Officer all disclosures of Subject Inventions required by paragraph (e)(2)(i) of this clause, and an acceptable final report pursuant to (e)(2)(iii) of this clause.

(3) The Contracting Officer may, in his discretion, decrease or increase the sums withheld up to the maximum authorized above. If the Contractor is a nonprofit organization the maximum amount that may be withheld under this paragraph shall not exceed \$50,000 or 1 percent of the amount of this contract whichever is less. No amount shall be withheld under this paragraph while the amount specified by this paragraph is being withheld under other provisions of the contract. The withholding of any amount or subsequent payment thereof shall not be construed as a waiver of any rights accruing to the Government under this contract.

(1) Subcontracts

(1) For the purpose of this paragraph the term "Contractor" means the party awarding a subcontract and the term "Subcontractor" means the party being awarded a subcontract, regardless of tier.

(2) Unless otherwise authorized or directed by the Commission Contracting Officer, the Contractor shall include this Patent Rights clause modified to identify the parties in any subcontract hereunder if a purpose of the subcontract is the conduct of experimental, developmental, or research work. In the event of refusal by a Subcontractor to accept this clause, or if in the opinion of the Contractor this clause is inconsistent with the policy set forth in 41 CFR 1-9.107-3, the Contractor:

(i) Shall promptly submit a written notice to the Commission Contracting Officer setting forth reasons for the Subcontractor's refusal and other pertinent information which may expedite disposition of the matter; and

(ii) Shall not proceed with the subcontract without the written authorization of the Commission Contracting Officer.

(3) The Contractor shall not, in any subcontract or by using a subcontract as consideration therefor, acquire any rights in his Subcontractor's Subject Invention for his own use (as distinguished from such rights as may be required solely to fulfill his contract obligations to the Government in the performance of his contract).

(4) All invention disclosures, reports, instruments, and other information required to be furnished by the Subcontractor to the Commission Contracting Officer under the provisions of a Patent Rights clause in any subcontract hereunder may, in the discretion of the Commission Contracting Officer, be furnished to the Contractor for transmission to the Commission Contracting Officer.

(5) The Contractor shall promptly notify the Commission Contracting Officer in writing upon the award of any subcontract containing a Patent Rights clause by identifying the Subcontractor, the work to be performed under the subcontract and the dates of award and estimated completion. Upon request of the Commission Contracting Officer, the Contractor shall furnish a copy of the subcontract. If there are no subcontracts containing Patent Rights Clauses, a negative report shall be included in the final report submitted pursuant to paragraph (e)(2)(iii) of this clause.

(6) The Contractor shall identify all Subject Inventions of the Subcontractor of which he acquires knowledge in the performance of this contract and shall notify the Commission Contracting Officer promptly upon the identification of the inventions.

(7) It is understood that the Commission is a third party beneficiary of any subcontract clause granting rights to the Government in Subject Inventions, and the Contractor hereby assigns to the Commission all rights that he would have to enforce the Subcontractor's obligations for the benefit of the Commission with respect to Subject Inventions. The Contractor shall not be obligated to enforce the agreements of any Subcontractor hereunder relating to the obligations of the Subcontractor to the Commission in regard to Subject Inventions.

(j) Reserved

(k) Reserved

(l) No claim for pecuniary award or compensation under the provisions of the Atomic Energy Act of 1954 as amended shall be asserted by the Contractor or its employees with respect to any invention or discovery made or conceived in the course of or under this contract.

(m) With respect to any U.S. Patent Application filed by the Contractor on any contract invention or discovery made or conceived in the course of the contract, the Contractor will incorporate in the first paragraph of the U.S. Patent Application the following statement:

"The invention described herein was made in the course of, or under a contract (if desired may substitute contract with identifying number) with the U.S. Nuclear Regulatory Commission."

22. GOVERNMENT PROPERTY (1-7.203-21)

(a) The Government shall deliver to the Contractor, for use in connection with and under the terms of this contract, the property in the Schedule or specifications, together with such related data and information as the Contractor may request and as may reasonably be required for the intended use of such property (hereinafter referred to as "Government-furnished Property"). The delivery or performance dates for the supplies or services to be furnished by the Contractor under this contract are based upon the expectation that Government-furnished property suitable for use will be delivered to the Contractor at the times stated in the Schedule or, if not so stated, in sufficient time to enable the Contractor to meet such delivery or performance dates. In the event that Government-furnished property is not delivered to the Contractor by such time or times, the Contracting Officer shall, upon timely written request made by the Contractor make a determination of the delay, if any, occasioned the Contractor and shall equitably adjust the estimated cost, fixed fee, or delivery or performance dates, or all of them, and any other contractual provisions affected by any such delay in accordance with the procedures provided for in the clause of this contract entitled "Changes." In the event that Government-furnished property is received by the Contractor in a condition not suitable for the intended use, the Contractor shall, upon receipt thereof notify the contracting officer of such fact and, as directed by the Contracting Officer, either (1) return such property at the Government's expense or otherwise dispose of the property, or (2) effect repairs or modifications. Upon completion of (1) or (2), above, the Contracting Officer upon written request of the Contractor shall equitably adjust the estimated cost, fixed fee, or delivery or performance dates, or all of them, and any other contractual provision affected by the return or disposition, or the repair or modification in accordance with the procedures provided for in the clause of this contract entitled "Changes." The foregoing provisions for adjustment are exclusive and the Government shall not be liable to suit for breach of contract by reason of any delay in delivery of Government-furnished property or delivery of such property in a condition not suitable for its intended use.

(b) (1) By notice in writing the Contracting Officer may (i) decrease the property furnished or to be furnished by the Government under this contract, or (ii) substitute other Government-owned property for property to be furnished by the Government, or to be acquired by the Contractor for the Government under this contract. The Contractor shall promptly take such action as the Contracting Officer may direct with respect to the removal and shipping of property covered by such notice.

(2) In the event of any decrease in or substitution of property pursuant to paragraph (1), above, or any withdrawal of authority to use property provided under any contract or lease, which property the Government had agreed in the Schedule to make available for the performance of this contract, the Contracting Officer, upon the written request of the contractor (or, if the substitution of property causes a decrease in the cost of performance, on his own initiative), shall equitably adjust such contractual provisions as may be affected by the decrease, substitution, or withdrawal, in accordance with the procedures provided for in the "Changes" clause of this contract.

(c) Title to all property furnished by the Government shall remain in the Government. Title to all property purchased by the Contractor, for the cost of which the Contractor is entitled to be reimbursed as a direct item of cost under this contract, shall pass to and vest in the Government upon delivery of such property by the vendor. Title to other property, the cost of which is reimbursable to the Contractor under the contract, shall pass to and vest in the Government upon (1) issuance for use of such property in the performance of this contract, or (2) commencement of processing or use of such property in the performance of this contract, or (3) reimbursement of the cost thereof by the Government in whole or in part, whichever first occurs. All Government-furnished property, together with all property acquired by the Contractor title to which vests in the Government under this paragraph, are subject to the provisions of this clause and are hereinafter collectively referred to as "Government property." Title to the Government property shall not be affected by the incorporation or attachment thereof to any property not owned by the Government, nor shall such Government property, or any part thereof, be or become a fixture or lose its identity as personality by reason of affixation to any realty.

(d) The Contractor shall be directly responsible for and accountable for all Government property provided under this contract. The contractor shall establish and maintain a system to control, protect, preserve, and maintain all Government property. This system shall, upon request by the Contracting Officer, be submitted for review and, if satisfactory, approved in writing by the Contracting Officer. The Contractor shall maintain and make available such records as are required by the approved system and must account for all Government property until relieved of responsibility therefor in accordance with the written instructions of the Contracting Officer. To the extent directed by the Contracting Officer, the Contractor shall identify Government property by marking, tagging, or segregating in such manner as to clearly indicate its ownership by the Government.

(e) The Government property shall, unless otherwise provided herein or approved by the Contracting Officer, be used only for the performance of this contract.

(f) The Contractor shall maintain and administer, in accordance with sound industrial practice, a program for the utilization, maintenance, repair, protection, and preservation of Government property so as to assure its full availability and usefulness for the performance of this contract. The Contractor shall take all reasonable steps to comply with all appropriate directions or instructions which the Contracting Officer may prescribe as reasonably necessary for the protection of Government property.

(g) (1) The Contractor shall not be liable for any loss of or damage to the Government property, or for expenses incidental to such loss or damage, except that the Contractor shall be responsible for any such loss or damage (including expenses incidental thereto):

(i) Which results from willful misconduct or lack of good faith on the part of any one of the Contractor's directors or officers, or on the part of any of his managers, superintendents, or other equivalent representatives, who has supervision or direction of:

(A) All or substantially all of the Contractor's business;

or

(B) All or substantially all of the Contractor's operations at any one plant or separate location in which this contract is being performed;

(C) A separate and complete major industrial operation in connection with the performance of this contract.

(ii) Which results from a failure on the part of the Contractor, due to the willful misconduct or lack of good faith on the part of any of his directors, officers, or other representatives mentioned in subparagraph (i), above:

(A) To maintain and administer, in accordance with sound industrial practice, the program for utilization, maintenance, repair, protection, and preservation of Government property as required by paragraph (f) hereof, or to take all reasonable steps to comply with any appropriate written direction of the Contracting Officer under paragraph (f) hereof; or

(B) To establish, maintain, and administer in accordance with paragraph (d) hereof a system for control of Government property.

(iii) For which the Contractor is otherwise responsible under the express terms of the clause or clauses designated in the Schedule;

(iv) Which results from a risk expressly required to be insured under this contract, but only to the extent of the insurance so required to be procured and maintained, or to the extent of insurance actually procured and maintained, whichever is greater; or

(v) Which results from a risk which is in fact covered by insurance or for which the Contractor is otherwise reimbursed, but only to the extent of such insurance or reimbursement.

Any failure of the Contractor to act, as provided in subparagraph (ii), above, shall be conclusively presumed to be a failure resulting from willful misconduct, or lack of good faith on the part of such directors, officers, or other representatives mentioned in subparagraph (i), above, if the Contractor is notified by the Contracting Officer by registered or certified mail addressed to one of such directors, officers, or other representatives, of the Government's disapproval, withdrawal of approval, or nonacceptance of the Contractor's program or system. In such event it shall be presumed that any loss or damage to Government property resulted from such failure. The Contractor shall be liable for such loss or damage unless he can establish by clear and convincing evidence that such loss or damage did not result from his failure to maintain an approved program or system, or occurred during such time as an approved program or system for control of Government property was maintained.

If more than one of the above exceptions shall be applicable in any case, the Contractor's liability under any one exception shall not be limited by any other exception. If the Contractor transfers Government property to the possession and control of a subcontractor, the transfer shall not affect the liability of the Contractor for loss or destruction of or damage to the property as set forth above. However, the Contractor shall require the subcontractor to assume the risk of, and be responsible for, any loss or destruction of or damage to the property while in the latter's possession or control, except to the extent that the subcontract, with the prior approval of the Contracting Officer, provides for the relief of the subcontractor from such liability. In the absence of such approval, the subcontract shall contain appropriate provisions requiring the return of all Government property in as good condition as when received, except for reasonable wear and tear or for the utilization of the property in accordance with the provisions of the prime contract.

(2) The Contractor shall not be reimbursed for, and shall not include as an item of overhead, the cost of insurance, or any provisions for a reserve, covering the risk of loss of or damage to the Government property, except to the extent that the Government may have required the Contractor to carry such insurance under any other provisions of this contract.

(3) Upon the happening of loss or destruction of or damage to the Government property, the Contractor shall notify the Contracting Officer thereof,

and shall communicate with the loss and salvage organization, if any, now or hereafter designated by the Contracting Officer, and with the assistance of the loss and salvage organizations so designated (unless the Contracting Officer has designated that no such organization be employed), shall take all reasonable steps to protect the Government property from further damage, separate the damaged and undamaged Government property, put all the Government property in the best possible order, and furnish to the Contracting Officer a statement of:

- (i) The lost, destroyed, and damaged Government property;
- (ii) The time and origin of the loss, destruction, or damage;
- (iii) All known interests in commingled property of which the Government property is a part; and
- (iv) The insurance, if any, covering any part of or interest in such commingled property.

The Contractor shall make repairs and renovations of the damaged Government property or take such other action as the Contracting Officer directs.

(4) In the event the Contractor is indemnified, reimbursed, or otherwise compensated for any loss or destruction of or damage to the Government property, he shall use the proceeds to repair, renovate, or replace the Government property involved, or shall credit such proceeds against the cost of the work covered by the contract, or shall otherwise reimburse the Government, as directed by the Contracting Officer. The Contractor shall do nothing to prejudice the Government's right to recover against third parties for any such loss, destruction, or damage and, upon the request of the Contracting Officer, shall, at the Government's expense, furnish to the Government all reasonable assistance and cooperation (including the prosecution of suit and the execution of instruments of assignment in favor of the Government) in obtaining recovery. In addition, where the subcontractor has not been relieved from liability for any loss or destruction of or damage to Government property, the Contractor shall enforce the liability of the subcontractor for such loss or destruction of or damage to the Government property for the benefit of the Government.

(h) The Commission, and any persons designated by it, shall at all reasonable times have access to the premises where any of the Government property is located, for the purpose of inspecting the Government property.

(i) Upon the completion of this contract, or at such earlier dates as may be fixed by the Contracting Officer, the Contractor shall submit to the Contracting Officer in a form acceptable to him, inventory schedules covering all items of the Government property not consumed in the performance of this contract, or not theretofore delivered to the Government, and shall deliver or make such other disposal of such Government property as may be directed or authorized by the Contracting Officer. The net proceeds of any such disposal shall be credited to the

cost of the work covered by the contract or shall be paid in such manner as the Contracting Officer may direct. The foregoing provisions shall apply to scrap from Government property: Provided, however, That the Contracting Officer may authorize or direct the Contractor to omit from such inventory schedules any scrap consisting of faulty castings or forgings, or cutting and processing waste, such as chips, cuttings, borings, turnings, short ends, circles, trimmings, clippings, and remnants, and to dispose of such scrap in accordance with the Contractor's established accounting procedures.

(j) Unless otherwise provided herein, the Government:

(i) May abandon any Government property in place, and thereupon all obligations of the Government regarding such abandoned property shall cease; and

(ii) Has no obligation to the Contractor with regard to restoration or rehabilitation of the Contractor's premises, neither in case of abandonment (paragraph (j) (i), above), disposition on completion of need or of the contract (paragraph (i), above), nor otherwise, except for restoration or rehabilitation costs caused by removal of Government property pursuant to paragraph (b), above.

(k) All communications issued pursuant to this clause shall be in writing.

23. NUCLEAR HAZARDS INDEMNITY - PRODUCT LIABILITY (9-7.5004-25)

(a) This article is incorporated into this contract pursuant to the authority contained in section 170d of the Atomic Energy Act of 1954, as amended (hereinafter called the Act).

(1) The definitions set out in the Act shall apply to this article.

(2) The term "product delivered under the contract" means any material; equipment; device; drawing; specification or technical data made, proposed, or acquired by the contractor in the course of performance of the contract and delivered to the Commission or to any other person as directed or approved by the Commission.

(b) Except as hereafter permitted or required in writing by the Commission, the contractor will not be required to provide or maintain, and will not provide or maintain at Government expense, any form of financial protection to cover public liability. The Commission may at any time require in writing that the contractor provide and maintain financial protection of such a type and in such amount as the Commission shall determine to be appropriate to cover public liability against which the contractor is indemnified hereunder: Provided, That the costs of such financial protection will be reimbursed to the contractor by the Commission.

(c) (1) To the extent that the contractor and other persons indemnified are not compensated by any financial protection permitted or required by the Commission, the Commission will indemnify the contractor, and other persons indemnified, against (i) claims for public liability as described in subparagraph (2) of this paragraph (c); and (ii) the reasonable costs of investigating and settling claims, and defending suits for damages for such public liability, provided that the Commission's liability, including such reasonable costs, under all indemnity agreements entered into by the Commission under section 170 of the Act, including this contract, shall not exceed \$500 million in the aggregate for each nuclear incident occurring within the United States or \$100 million in the aggregate for each nuclear incident occurring outside the United States, irrespective of the number of persons indemnified in connection with this contract.

(2) The public liability referred to in subparagraph (1) of this section is public liability which (i) arises out of or in connection with the contractual activity; and (ii) arises out of or results from a product delivered under the contract; but does not include liability for a nuclear incident which is covered by any other indemnity agreement entered into by the Commission pursuant to section 170 of the Act.

(d) The Contractor shall give immediate written notice to the Commission of any known action or claim filed or made against the Contractor or other person indemnified for public liability as defined in paragraph (2) of section (c). Except as otherwise directed by the Commission, the Contractor shall furnish promptly to the Commission copies of all pertinent papers received by the Contractor or filed with respect to such actions or claims. When the Commission shall determine that the Government will probably be required to make indemnity payments under the provisions of section (c) above, the Commission shall have the right to, and shall, collaborate with the Contractor and any other person indemnified in the settlement or defense of any action or claim and shall have the right (1) to require the prior approval of the Commission for the payment of any claim that the Commission may be required to indemnify hereunder, and (2) to appear through the Attorney General on behalf of the Contractor or other person indemnified in any action brought upon any claim that the Commission may be required to indemnify hereunder, take charge of such action, and settle or defend any such action. If the settlement or defense of any such action or claim is undertaken by the Commission, the Contractor or other person indemnified shall furnish all reasonable assistance in effecting a settlement or asserting a defense.

(e) The obligations of the Commission under this article shall not be affected by any failure on the part of the contractor to fulfill its obligation under this contract, and shall be unaffected by the death, disability or termination of existence of the contractor or by the completion, termination, or expiration of this contract.

(f) The parties to this contract enter into this article upon the condition that this article may be amended at any time by the mutual written agreement of

the Commission and the contractor and that such amendment may, by its express terms, provide that it will apply to any nuclear incidents which occur thereafter.

(g) The provisions of this article shall not be limited in any way by, and shall be interpreted without reference to, any other article of this contract [, including Article 12, Disputes]: Provided, however, That the following provisions of this contract: Article 18, Covenant Against Contingent Fees; Article 17, Officials Not to Benefit; Article 7, Assignment; and Article 8, Examination of Records by the Comptroller General; and any provisions later added to this contract which, under applicable Federal law, including statutes, executive orders, and regulations, are required to be included in agreements of this type contained in this article, shall apply to this article.

(h) [The following section will be included in those contracts containing indemnity agreements executed under the general contract authority of the NRC.]

To the extent that the contractor is compensated by any financial protection, or is indemnified pursuant to this article, or is effectively relieved of public liability by an order or orders limiting same pursuant to section 170e of the Atomic Energy Act of 1954, as amended, the provisions of Article _____ (General Authority Indemnity) shall not apply.

24. UTILIZATION OF CONCERNS IN LABOR SURPLUS AREAS (1-1.805-3(a))

(The following clause is applicable if this contract exceeds \$10,000.)

(a) It is the policy of the Government to award contracts to labor surplus areas concerns that (1) have been certified by the Secretary of Labor (hereafter referred to as certified-eligible concerns with first or second preferences) regarding the employment of a proportionate number of disadvantaged individuals and have agreed to perform substantially (i) in or near sections of concentrated unemployment or underemployment or in persistent or substantial labor surplus areas or (ii) in other areas of the United States, respectively, or (2) are noncertified concerns which have agreed to perform substantially in persistent or substantial labor surplus areas, where this can be done consistent with the efficient performance of the contract and at prices no higher than are obtainable elsewhere. The contractor agrees to use his best efforts to place his subcontracts in accordance with this policy.

(b) In complying with paragraph (a) of this clause and with paragraph (b) of the clause of this contract entitled "Utilization of Small Business Concerns" the contractor in placing his subcontracts shall observe the following order of preference: (1) certified eligible concerns with a first preference which are also small business concerns; (2) other certified-eligible concerns with a first preference; (3) certified-eligible concerns with a second preference which are also small business concerns; (4) other certified-eligible concerns with a second preference; (5) persistent or substantial labor surplus area concerns which

are also small business concerns; (6) other persistent or substantial labor surplus area concerns; and (7) small business concerns which are not labor surplus area concerns.

25. AUDIT AND RECORDS (1-3.814-2(a)) (9-7.5006.1)

(a) General. The Contracting Officer or his representatives shall have the audit and inspection rights described in the applicable paragraphs (b), (c) and (d) below.

(b) Examination of costs. If this is a negotiated fixed-price type, cost-reimbursement type, incentive, time and materials, labor hour, or price redeterminable contract, or any combination thereof, the Contractor shall maintain, and the Contracting Officer or his representatives shall have the right to examine books, records, documents, and other evidence and accounting procedures and practices, sufficient to reflect properly all direct and indirect costs of whatever nature claimed to have been incurred and anticipated to be incurred for the performance of this contract. Such right of examination shall include inspection at all reasonable times of the Contractor's plants, or such parts thereof, as may be engaged in the performance of this contract.

(c) Cost or pricing data. If the Contractor submitted cost or pricing data in connection with the pricing of this contract or any change or modification thereto, unless such pricing was based on adequate price competition, established catalog or market prices of commercial items sold in substantial quantities to the general public, or prices set by law or regulation, the Contracting Officer or his representatives who are employees of the United States Government shall have the right to examine all books, records, documents and other data of the Contractor related to the negotiation, pricing or performance of such contract, change or modification, for the purpose of evaluating the accuracy, completeness and currency of the cost or pricing data submitted. Additionally, in the case of pricing any change or modification exceeding \$100,000 to formally advertised contracts, the Comptroller General of the United States or his representatives who are employees of the United States Government shall have such rights. The right of examination shall extend to all documents necessary to permit adequate evaluation of the cost or pricing data submitted, along with the computations and projections used therein.

(d) Availability. The materials described in (b) and (c) above, shall be made available at the office of the Contractor, at all reasonable times, for inspection, audit or reproduction, until the expiration of 3 years from the date of final payment under this contract or such lesser time specified in Part 1-20 of the Federal Procurement Regulations (41 CFR Part 1-20) and for such longer period, if any, as is required by applicable statute, or by other clauses of this contract, or by (1) and (2) below:

(1) If this contract is completely or partially terminated, the records relating to the work terminated shall be made available for a period of 3 years from the date of any resulting final settlement.

(2) Records which relate to appeals under the "Disputes" clause of this contract, or litigation or the settlement of claims arising out of the performance of this contract, shall be made available until such appeals, litigation, or claims have been disposed of.

(e) The Contractor shall insert a clause containing all the provisions of this clause, including this paragraph (e), in all subcontracts hereunder except altered as necessary for proper identification of the contracting parties and the Contracting Officer under the Government prime contract.

(F) Reports. The Contractor shall furnish such progress reports and schedules, financial and cost reports and other reports concerning the work under this contract as the contracting officer may from time to time require.

26. PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA (1-3.814-1(a))

If any price, including profit or fee, negotiated in connection with this contract or any cost reimbursable under this contract was increased by any significant sums because:

(a) The Contractor furnished cost or pricing data which was not accurate, complete and current as certified in the Contractor's Certificate of Current Cost or Pricing Data;

(b) A subcontractor, pursuant to the clause of this contract entitled "Subcontractor Cost or Pricing Data" or "Subcontractor Cost or Pricing Data--Price Adjustments" or any subcontract clause therein required, furnished cost or pricing data which was not accurate, complete and current as certified in the subcontractor's Certificate of Current Cost or Pricing Data;

(c) A subcontractor or prospective subcontractor furnished cost or pricing data which was required to be accurate, complete and current and to be submitted to support a subcontract cost estimate furnished by the Contractor but which was not accurate, complete and current as of the date certified in the Contractor's Certificate of Current Cost or Pricing Data; or

(d) The Contractor or a subcontractor or prospective subcontractor furnished any data, not within (a), (b) or (c) above, which was not accurate as submitted; the price or cost shall be reduced accordingly and the contract shall be modified in writing as may be necessary to reflect such reduction. However, any reduction in the contract price due to defective subcontract data of a prospective subcontractor when the subcontract was not subsequently awarded to such subcontractor, will be limited to the amount (plus applicable overhead and profit markup) by which the actual subcontract, or actual cost to the Contractor if there was no subcontract, was less than the prospective subcontract cost estimate submitted by the Contractor: Provided, The actual subcontract price was not affected by defective cost or pricing data.

(Note: Since the contract is subject to reduction under this clause by reason of defective cost or pricing data submitted in connection with certain subcontracts, it is expected that the Contractor may wish to include a clause in each such subcontract requiring the subcontractor to appropriately indemnify the Contractor. It is also expected that any subcontractor subject to such indemnification will generally require substantially similar indemnification for defective cost or pricing data required to be submitted by his low tier subcontractors.)

27. PRICE REDUCTION FOR DEFECTIVE COST OR PRICING DATA - PRICE ADJUSTMENTS
(1-3.814-1(b))

(a) This clause shall become operative only with respect to any modification of this contract which involves aggregate increases and/or decreases in costs plus applicable profits in excess of \$100,000 unless the modification is priced on the basis of adequate price competition, established catalog or market prices of commercial items sold in substantial quantities to the general public, or prices set by law or regulation. The right to price reduction under this clause is limited to defects in data relating to such modification.

(b) If any price, including profit, or fee, negotiated in connection with any price adjustment under this contract was increased by any significant sums because:

(1) The Contractor furnished cost or pricing data which was not accurate, complete and current as certified in the Contractor's Certificate of Current Cost or Pricing Data;

(2) A subcontractor, pursuant to the clause of this contract entitled "Subcontractor Cost or Pricing Data" or "Subcontractor Cost or Pricing Data--Price Adjustments" or any subcontract clause therein required, furnished cost or pricing data which was not accurate, complete and current as certified in the subcontractor's Certificate of Current Cost or Pricing Data;

(3) A subcontractor or prospective subcontractor furnished cost or pricing data which was required to be accurate, complete and current and to be submitted to support a subcontract cost estimate furnished by the Contractor but which was not accurate, complete and current as of the date certified in the Contractor's Certificate of Current Cost or Pricing Data; or

(4) The Contractor or a subcontractor or prospective subcontractor furnished any data, not within (1), (2) or (3) above, which was not accurate, as submitted; the price shall be reduced accordingly and the contract shall be modified in writing as may be necessary to reflect such reduction. However, any reduction in the contract price due to defective subcontract data of a prospective subcontractor, when the subcontract was not subsequently awarded to such subcontractor, will be limited to the amount-(plus applicable overhead and profit markup) by

which the actual subcontract, or actual cost to the Contractor if there was no subcontract, was less than the prospective subcontract cost estimate submitted by the Contractor: Provided the actual subcontract price was not affected by defective cost or pricing data.

(Note: Since the contract is subject to reduction under this clause by reason of defective cost or pricing data submitted in connection with certain subcontracts, it is expected that the Contractor may wish to include a clause in each such subcontract requiring the subcontractor to appropriately indemnify the Contractor. It is also expected that any subcontractor subject to such indemnification will generally require substantially similar indemnification for defective cost or pricing data required to be submitted by his lower tier subcontractors.)

(c) Failure to agree on a reduction shall be a dispute concerning a question of fact within the meaning of the "Disputes" clause of this contract.

28. SUBCONTRACTOR COST AND PRICING DATA (1-3.814-3(a))

(a) The Contractor shall require subcontractors hereunder to submit, actually or by specific identification in writing, cost or pricing data under the following circumstances:

(1) Prior to the award of any subcontract the amount of which is expected to exceed \$100,000 when entered into;

(2) Prior to the pricing of any subcontract modification which involves aggregate increases and/or decreases in costs plus applicable profits expected to exceed \$100,000; except where the price is based on adequate price competition, established catalog or market prices of commercial items sold in substantial quantities to the general public, or prices set by law or regulation.

(b) The Contractor shall require subcontractors to certify, in substantially the same form as that used in the certificate by the Prime Contractor to the Government, that to the best of their knowledge and belief, the cost and pricing data submitted under (a) above is accurate, complete, and current as of the date of agreement on the negotiated price of the subcontract or subcontract change or modification.

(c) The Contractor shall insert the substance of this clause including this paragraph (c) in each subcontract hereunder which exceeds \$100,000 when entered into except where the price thereof is based on adequate price competition, established catalog or market prices of commercial items sold in substantial quantities to the general public, or prices set by law or regulation. In each such expected subcontract hereunder in excess of \$100,000, the Contractor shall insert the substance of the following clause:

SUBCONTRACTOR COST OR PRICING DATA-
PRICE ADJUSTMENTS

(a) Paragraphs (b) and (c) of this clause shall become operative only with respect to any modification made pursuant to one or more provisions of this contract which involves aggregate increases and/or decreases in costs plus applicable profits expected to exceed \$100,000. The requirements of this clause shall be limited to such contract modifications.

(b) The Contractor shall require subcontractors hereunder to submit, actually or by specific identification in writing, cost or pricing data under the following circumstances:

(1) Prior to award of any subcontract, the amount of which is expected to exceed \$100,000 when entered into;

(2) Prior to the pricing of any subcontract modification which involves aggregate increases and/or decreases in costs plus applicable profits expected to exceed \$100,000; except where the price is based on adequate price competition, established catalog or market prices of commercial items sold in substantial quantities to the general public, or prices set by law or regulation.

(c) The Contractor shall require subcontractors to certify, in substantially the same form as that used in the certificate by the Prime Contractor to the Government, that to the best of their knowledge and belief the cost and pricing data submitted under (b) above is accurate, complete, and current as of the date of agreement on the negotiated price of the subcontract or subcontract change or modification.

(d) The Contractor shall insert the substance of this clause including this paragraph (d) in each subcontract hereunder which exceeds \$100,000 when entered into.

29. UTILIZATION OF MINORITY BUSINESS ENTERPRISES (1-1.1310-2(a))
(Applicable to Contracts exceeding \$10,000)

(a) It is the policy of the Government that minority business enterprises shall have the maximum practicable opportunity to participate in the performance of Government contracts.

(b) The contractor agrees to use his best efforts to carry out this policy in the award of his subcontracts to the fullest extent consistent with the efficient performance of this contract. As used in this contract, the term "minority business enterprise" means a business, at least 50 percent of which is owned by minority group members or, in case of publicly owned businesses, at least 51 percent of the stock of which is owned by minority group members. For the purposes of this definition, minority group members are Negroes, Spanish-speaking American

persons, American Orientals, American Indians, American Eskimos, and American Aleuts. Contractors may rely on written representations by subcontractors regarding their status as minority business enterprises in lieu of an independent investigation.

(c) The Contractor agrees to submit to the Contracting Officer in response to a Request for Proposal, Invitation for Bid, or Solicitation; the representation contained in FPR 1-1.1303.

(d) The Contractor further agrees to report all Minority Business Enterprise subcontract awards to the Contracting Officer using Optional Form 61 (see FPR 1-16.902-OF61). The Contractor may modify the Optional Form 61 to delete reference to "Small Business" for the purpose of this report. Optional Form 61 may be obtained from the Superintendent of Documents, Government Printing Office, Washington, D.C. 20402.

30. LISTING OF EMPLOYMENT OPENINGS (FPR Temp. Reg. 39)
(Applicable To Contracts Involving \$10,000 or More)

DISABLED VETERANS AND VETERANS OF THE VIETNAM ERA

(a) The contractor will not discriminate against any employee or applicant for employment because he or she is a disabled veteran or veteran of the Vietnam era in regard to any position for which the employee or applicant for employment is qualified. The contractor agrees to take affirmative action to employ, advance in employment, and otherwise treat qualified disabled veterans and veterans of the Vietnam era without discrimination based upon their disability or veterans status in all employment practices such as the following: employment upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship.

(b) The contractor agrees that all suitable employment openings of the contractor which exist at the time of the execution of this contract and those which occur during the performance of this contract, including those not generated by this contract and including those occurring at an establishment of the contractor other than the one wherein the contract is being performed but excluding those of independently operated corporate affiliates, shall be listed at an appropriate local office of the State employment service system wherein the opening occurs. The contractor further agrees to provide such reports to such local office regarding employment openings and hires as may be required.

State and local government agencies holding Federal contracts of \$10,000 or more shall also list all their suitable openings with the appropriate office of the State employment service, but are not required to provide those reports set forth in paragraphs (d) and (e).

(c) Listing of employment openings with the employment service system pursuant to this clause shall be made at least concurrently with the use of any other recruitment source of effort and shall involve the normal obligations

which attach to the placing of a bona fide job order, including the acceptance of referrals of veterans and nonveterans. The listing of employment openings does not require the hiring of any particular job applicant or from any particular group of job applicants, and nothing herein is intended to relieve the contractor from any requirements in Executive orders or regulations regarding nondiscrimination in employment.

(d) The reports required by paragraph (b) of this clause shall include, but not be limited to, periodic reports which shall be filed at least quarterly with the appropriate local office or, where the contractor has more than one hiring location in a State, with the central office of that State employment service. Such reports shall indicate for each hiring location (1) the number of individuals hired during the reporting period, (2) the number of nondisabled veterans of the Vietnam era hired, (3) the number of disabled veterans of the Vietnam era hired, and (4) the total number of disabled veterans hired. The reports should include covered veterans hired for on-the-job training under 38 U.S.C. 1787. The contractor shall submit a report within 30 days after the end of each reporting period wherein any performance is made on this contract identifying data for each hiring location. The contractor shall maintain at each hiring location copies of the reports submitted until the expiration of one year after final payment under the contract, during which time these reports and related documentation shall be made available, upon request, for examination by any authorized representatives of the contracting officer or of the Secretary of Labor. Documentation would include personnel records respecting job openings, recruitment, and placement.

(e) Whenever the contractor becomes contractually bound to the listing provisions of this clause, it shall advise the employment service system in each State where it has establishments of the name and location of each hiring location in the State. As long as the contractor is contractually bound to these provisions and has so advised the State system, there is no need to advise the State system of subsequent contracts. The contractor may advise the State system when it is no longer bound by this contract clause.

(f) This clause does not apply to the listing of employment openings which occur and are filled outside the 50 States, the District of Columbia, Puerto Rico, Guam, and the Virgin Islands.

(g) The provisions of paragraphs (b), (c), (d), and (e) of this clause do not apply to openings which the contractor proposes to fill from within his own organization or to fill pursuant to a customary and traditional employer-union hiring arrangement. This exclusion does not apply to a particular opening once an employer decides to consider applicants outside of his own organization or employer-union arrangement for that opening.

(h) As used in this clause: (1) "All suitable employment openings" includes, but is not limited to, openings which occur in the following job categories: production and non-production; plant and office; laborers and mechanics; supervisory and nonsupervisory; technical; and executive, administrative, and professional openings that are compensated on a salary basis of less than \$25,000 per year. This term includes full-time employment, temporary employment of more than 3 days' duration, and part-time employment. It does

not include openings which the contractor proposes to fill from within his own organization or to fill pursuant to a customary and traditional employer-union hiring arrangement nor openings in an educational institution which are restricted to students of that institution. Under the most compelling circumstances an employment opening may not be suitable for listing, including such situations where the needs of the Government cannot reasonably be otherwise supplied, where listing would be contrary to national security, or where the requirement of listing would otherwise not be for the best interest of the Government.

(2) "Appropriate office of the State employment service system" means the local office of the Federal/State national system of public employment offices with assigned responsibility for serving the area where the employment opening is to be filled, including the District of Columbia, Guam, Puerto Rico, and the Virgin Islands.

(3) "Openings which the contractor proposes to fill from within his own organization" means employment openings for which no consideration will be given to persons outside the contractor's own organization (including any affiliates, subsidiaries, and parent companies), and includes any openings which the contractor proposes to fill from regularly established "recall" lists.

(4) "Openings which the contractor proposes to fill pursuant to a customary and traditional employer-union hiring arrangement" means employment openings which the contractor proposes to fill from union halls, which is part of the customary and traditional hiring relationship which exists between the contractor and representatives of his employees.

(i) The contractor agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.

(j) In the event of the contractor's noncompliance with the requirements of this clause, actions for noncompliance may be taken in accordance with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Act.

(k) The contractor agrees to post in conspicuous places available to employees and applicants for employment notices in a form to be prescribed by the Director, provided by or through the contracting officer. Such notice shall state the contractor's obligation under the law to take affirmative action to employ and advance in employment qualified disabled veterans and veterans of the Vietnam era for employment, and the rights of applicants and employees.

(l) The contractor will notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding that the contractor is bound by terms of the Vietnam Era Veteran's Readjustment Assistance Act and is committed to take affirmative action to employ and advance in employment qualified disabled veterans and veterans of the Vietnam era.

(m) The contractor will include the provisions of this clause in every subcontract or purchase order of \$10,000 or more unless exempted by rules, regulations, or orders of the Secretary issued pursuant to the Act, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the Director of the Office of Federal Contract Compliance Programs may direct to enforce such provisions, including action for noncompliance.

31. PAYMENT OF INTEREST ON CONTRACTOR'S CLAIMS (1-1.322)

(a) If an appeal is filed by the contractor from a final decision of the Contracting Officer under the Disputes clause of this contract, denying a claim arising under the contract, simple interest on the amount of the claim finally determined owed by the Government shall be payable to the Contractor. Such interest shall be at the rate determined by the Secretary of the Treasury pursuant to Public Law 92-41, 85 Stat. 97, from the date the contractor furnishes to the Contracting Officer his written appeal under the Disputes clause of this contract, to the date of (1) a final judgment by a court of competent jurisdiction, or (2) mailing to the contractor of a supplemental agreement for execution either confirming completed negotiations between the parties or carrying out a decision of a board of contract appeals.

(b) Notwithstanding (a), above, (1) interest shall be applied only from the date payment was due, if such date is later than the filing of appeal, and (2) interest shall not be paid for any period of time that the Contracting Officer determines the contractor has unduly delayed in pursuing his remedies before a board of contract appeals or a court of competent jurisdiction.

32. EMPLOYMENT OF THE HANDICAPPED (FPR Temp. Reg. 38)

(a) The contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap in regard to any position for which the employee or applicant for employment is qualified. The contractor agrees to take affirmative action to employ, advance in employment and otherwise treat qualified handicapped individuals without discrimination based upon their physical or mental handicap in all employment practices such as the following: employment, upgrading, demotion or transfer, recruitment, advertising, layoff or termination, rates of pay or other forms of compensation, and selection for training, including apprenticeship.

(b) The contractor agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor issued pursuant to the Rehabilitation Act of 1973, as amended.

(c) In the event of the Contractor's noncompliance with the requirements of this clause, actions for noncompliance may be taken in accordance with the rules, regulations and relevant orders of the Secretary of Labor issued pursuant to the Act.

(d) The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices in a form to be prescribed by the Director, Office of Federal Contract Compliance Programs, Department of Labor, provided by or through the Contracting Officer. Such notices shall state the contractor's obligation under the law to take affirmative action to employ and advance in employment qualified handicapped employees and applicants for employment, and the rights of applicants and employees.

(e) The Contractor will notify each labor union or representative of workers with which it has a collective bargaining agreement or other contract understanding that the contractor is bound by the terms of section

503 of the Act, and is committed to take affirmative action to employ and advance in employment physically and mentally handicapped individuals.

(f) The Contractor will include the provisions of this clause in every subcontract or purchase order of \$2,500 or more unless exempted by rules, regulations, or orders of the Secretary of Labor issued pursuant to section 503 of the Act, so that such provisions will be binding upon each subcontractor or vendor. The Contractor will take such action with respect to any subcontract or purchase order as the Director of the Office of Federal Contract Compliance Programs may direct to enforce such provisions, including action for noncompliance.

33. CLEAN AIR AND WATER (1-1.2302)

(Applicable only if the contract exceeds \$100,000, or the Contracting Officer has determined that orders under an indefinite quantity contract in any one year will exceed \$100,000, or a facility to be used has been the subject of a conviction under the Clean Air Act (42 U.S.C. 1957c-8(c) (1)) or the Federal Water Pollution Control Act (33 U.S.C. 1319(c)) and is listed by EPA, or the contract is not otherwise exempt.)

(a) The Contractor agrees as follows:

(1) To comply with all the requirements of section 114 of the Clean Air Act, as amended (42 U.S.C. 1857, et seq., as amended by Pub. L. 91-604) and section 308 of the Federal Water Pollution Control Act (33 U.S.C. 1251 et seq., as amended by Pub. L. 95-500), respectively, relating to inspection, monitoring, entry, reports, and information, as well as other requirements specified in section 114 and section 308 of the Air Act and the Water Act, respectively, and all regulations and guidelines issued thereunder before the award of the contract.

(2) That no portion of the work required by this prime contract will be performed in a facility listed on the Environmental Protection Agency List of Violating Facilities on the date when this contract was awarded unless and until the EPA eliminates the name of such facility or facilities from such listing.

(3) To use his best efforts to comply with clean air standards and clean water standards at the facility in which the contract is being performed.

(4) To insert the substance of the provisions of this clause into any nonexempt subcontract, including this paragraph (a)(4).

(b) The terms used in this clause have the following meanings:

(1) The term "Air-Act" means the Clean Air Act, as amended (42 U.S.C. 1857 et. seq., as amended by Pub. L. 91-604).

(2) The term "Water Act" means Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et. seq., as amended by Pub. L. 92-500).

(3) The term "clean air standards" means any enforceable rules, regulations, guidelines, standards, limitations, orders, controls, prohibitions, or other requirements which are contained in, issued under, or otherwise adopted pursuant to the Air Act or Executive Order 11738, an applicable implementation plan as described in section 110(d) of the Clean Air Act (42 U.S.C. 1857c-5(d)), an approved implementation procedure or plan under section 111(c) or section 111(d), respectively, of the Air Act (42 U.S.C. 1857(c) or (d)), or an approved implementation procedure under section 112(d) of the Air Act (42 U.S.C. 1857c-7(d)).

(4) The term "clean water standards" means any enforceable limitation, control, condition, prohibition, standard, or other requirement which is promulgated pursuant to the Water Act or contained in a permit issued to a discharger by the Environmental Protection Agency or by a State under an approved program, as authorized by section 402 of the Water Act (33 U.S.C. 1342), or by local government to ensure compliance with pretreatment regulations as required by section 307 of the Water Act (33 U.S.C. 1317).

(5) The term "compliance" means compliance with clean air or water standards. Compliance shall also mean compliance with a schedule or plan ordered or approved by a court of competent jurisdiction, the Environmental Protection Agency or an air or water pollution control agency in accordance with the requirements of the Air Act or Water Act and regulations issued pursuant thereto.

(6) The term "facility" means any building, plant, installation, structure, mine, vessel or other floating craft, location, or site of operations, owned, leased, or supervised by a contractor or subcontractor, to be utilized in the performance of a contract or subcontract. Where a location or site of operations contains or includes more than one building, plant, installation, or structure, the entire location or site shall be deemed to be a facility except where the Director, Office of Federal Activities, Environmental Protection Agency, determines that independent facilities are collocated in one geographical area.

34. NEGOTIATED OVERHEAD RATES (1-3.704-1)

(a) Notwithstanding the provisions of the clause of this contract entitled "Allowable Cost, Fixed Fee, and Payment," the allowable indirect costs under this contract shall be obtained by applying negotiated overhead rates to bases agreed upon by the parties, as specified below.

(b) The Contractor, as soon as possible but not later than ninety (90) days after the expiration of his fiscal year, or such other period as may be specified in the contract, shall submit to the Contracting Officer, with a copy to the cognizant audit activity, a proposed final overhead rate or rates for that period based on the Contractor's actual cost experience during that period, together with supporting cost data. Negotiation of overhead rates by the Contractor and the Contracting Officer shall be undertaken as promptly as practicable after receipt of the Contractor's proposal.

(c) Allowability of costs and acceptability of cost allocation methods shall be determined in accordance with contract Appendix A Cost Principles and Procedures as in effect on the date of this contract.

(d) The results of each negotiation shall be set forth in a modification to this contract, which shall specify (1) the agreed final rates, (2) the bases to which the rates apply, and (3) the periods for which the rates apply.

(e) Pending establishment of final overhead rates for any period, the Contractor shall be reimbursed either at negotiated provisional rates as provided in the contract, or at billing rates acceptable to the Contracting Officer, subject to appropriate adjustment when the final rates for that period are established. To prevent substantial over or under payment, and to apply either retroactively or prospectively: (1) Provisional rates may, at the request of either party, be revised by mutual agreement, and (2) billing rates may be adjusted at any time by the Contracting Officer. Any such revision of negotiated provisional rates provided in the contract shall be set forth in a modification to this contract.

(f) Any failure by the parties to agree on any final rates under this clause shall be considered a dispute concerning a question of fact for decision by the Contracting Officer within the meaning of the "Disputes" clause of this contract.

35. NOTICE TO THE GOVERNMENT OF LABOR DISPUTES (1-7.203-3)

(a) Whenever the Contractor has knowledge that any actual or potential labor dispute is delaying or threatens to delay the timely performance of this contract, the Contractor shall immediately give notice thereof, including all relevant information with respect thereto, to the Contracting Officer.

(b) The Contractor agrees to insert the substance of this clause, including this paragraph (b), in any subcontract hereunder as to which a labor dispute may delay the timely performance of this contract; except that each such subcontract shall provide that in the event its timely

performance is delayed or threatened by delay by an actual or potential labor dispute, the subcontractor shall immediately notify his next higher tier subcontractor, or the Prime Contractor, as the case may be, of all relevant information with respect to such disputes.

36. REQUIRED SOURCE OF JEWEL BEARING (1-1.319)

(a) For the purpose of this clause:

(1) "Jewel bearing" means a piece of synthetic sapphire or ruby of any shape, except a phonograph needle, which has one or more polished surfaces and which is suitable for use in an instrument, mechanism, subassembly, or part without any additional processing. A jewel bearing may be either unmounted or mounted into a ring or bushing. Examples of jewel bearings are: Watch holes—olive, watch holes—straight, pallet stones, roller jewels (jewel pins), end stones (caps), vee (cone) jewels, instrument rings, cups, double cups, and orifice jewels. As used herein, the term "jewel bearings" includes "related items."

(2) "Related items" means other synthetic sapphire or ruby components. Examples of related items are pivots, knife edges, insulators, spacers, windows, and striking surfaces other than pallet stones.

(3) "Price list" means the official U.S. Government Jewel Bearing Price List for jewel bearings produced by the William Langer Jewel Bearing Plant. This list is issued periodically by the General Services Administration.

(4) "Plant" means the Government-owned William Langer Jewel Bearing Plant, Rolla, N. Dak.

(5) "Military Standard Jewel Bearing" means a jewel bearing conforming to Military Specification No. MIL-B-27497 (latest revision) entitled "Bearings, Jewel, Sapphire or Ruby, Synthetic."

(b) Jewel bearings required in the performance of this contract shall be procured from the Plant at prices established in the price list dated (date to be filled in by Contracting Officer). Each purchase order issued to the Plant under this contract shall include the prime contract number and date of the price list cited above. The Contractor agrees that the quantities, types, and sizes (including tolerances) of jewel bearings so ordered will be those required for the performance of this contract. Within 90 calendar days after the effective date of this contract the Contractor shall furnish to the Contracting Officer a certification that the required jewel bearings were ordered pursuant to this clause. The Contractor agrees to notify the Contracting Officer promptly of the rejection of his (or any subcontractor's purchase order in whole

or in part by the Plant. The requirement for purchase and use of jewel bearings from the Plant will be waived to the extent of orders rejected because of the Plant's inability to deliver. If such a waiver is granted, an equitable adjustment shall be made in the contract price or delivery schedule, or both, in accordance with the "Changes" clause of this contract. Further, the requirement for use (but not the requirement for purchase from the Plant) of jewel bearings may be waived by the Contracting Officer when such waiver is determined by him to be consistent with established policy.

(c) The Contractor agrees to use to Langer-made jewel bearings in the production of subassemblies or end items under this contract or in his commercial production.

(d) Whenever it is necessary for the Contractor or any subcontractor to redesign or reengineer jeweled items in order to satisfy specific performance requirements, the Contractor or subcontractor shall provide in such redesign for the use of military standard jewel bearings. This requirement does not apply when the dimensional tolerances or configurations of military standard jewel bearings are such that their use in the product would prevent attainment of the required level of performance specified for the item. However, when one or more nonstandard bearings must be used to satisfy performance requirements of the jeweled item but military standard jewel bearings will function satisfactorily for other applications within the same item, the item will be required to be redesigned to provide for the use of military standard jewel bearings in such "other" applications. The Contractor or subcontractor is not required to redesign a jeweled item solely for the purpose of converting from the use of nonstandard to military standard jewel bearings. Nothing in this contract shall prevent any Contractor or subcontractor from voluntarily redesigning a jeweled item solely to accommodate the use of military standard jewel bearings.

(e) If at the end of this contract period, the total quantity of end items actually ordered under this contract is less than the total estimated quantity, and the Contractor, pursuant to paragraph (b) of this clause, has purchased a larger quantity of Langer-made jewel bearings than used in deliveries made under this contract, an equitable adjustment shall be made (if requested by the Contractor within 90 days after the end of the contract period) to reimburse the Contractor for any additional costs resulting from such excess purchase but in no event shall such additional costs cover more jewel bearings than necessary to deliver the total estimated quantity of end items. Such excess jewel bearings shall be disposed of as directed by the Contracting Officer. However, such excess jewel bearings may be used in partial satisfaction of the requirements to purchase Langer-made jewel bearings pursuant to paragraph (b) of this clause where a subsequent contract to furnish similar end items to the

Government is entered into with the same Contractor. In this situation the requirement to purchase and use jewel bearings from the Plant will be waived up to the amount of such excess jewel bearings in Contractor's possession upon submission of a written request by the Contractor. Such request shall contain documented evidence in support of the waiver of purchase and nonuse of such excess jewel bearings. If such waiver is granted, an equitable adjustment to the extent of differences in price lists shall be made in the contract price in accordance with the "Changes" clause of this contract.

(f) The Contractor agrees to retain for 3 years from the date of final payment under this contract and upon request of the Contracting Officer to make available during that period records showing compliance with this clause.

(g) The Contractor agrees to insert this clause, including this paragraph (g), in every subcontract and purchase order issued in performance of this contract unless he knows that the subassembly, component, or part being purchased does not contain jewel bearings.

37. COST ACCOUNTING STANDARDS (1-3.1204)
(CONTRACTS EXCEEDING \$100,000)

(a) Unless the Cost Accounting Standards Board, or the General Services Administration in the case of nondefense contracts, has prescribed rules or regulations exempting the Contractor or this contract from standards, rules, and regulations promulgated pursuant to 50 U.S.C. App. 2168 (P.L. 91-379, August 15, 1970), or other statutory authority, the Contractor, in connection with this contract shall:

(1) By submission of a Disclosure Statement, disclose in writing his cost accounting practices as required by regulations of the Cost Accounting Standards Board. The required disclosures must be made prior to contract award unless the Contracting Officer provides a written notice to the Contractor authorizing postaward submission in accordance with regulations of the Cost Accounting Standards Board. The practices disclosed for this contract shall be the same as the practices currently disclosed and applied on all other contracts and subcontracts being performed by the Contractor and which contain this Cost Accounting Standards clause. If the Contractor has notified the Contracting Officer that the Disclosure Statement contains trade secrets and commercial or financial information which is privileged and confidential, the Disclosure Statement will not be released outside of the Government.

(2) Follow consistently the cost accounting practices disclosed pursuant to (1), above, in accumulating and reporting contract performance cost data concerning this contract. If any change in disclosed practices is made for purposes of any contract or subcontract

subject to Cost Accounting Standards Board requirements, the change must be applied prospectively to this contract, and the Disclosure Statement must be amended accordingly. If the contract price or cost allowance of this contract is affected by such changes, adjustment shall be made in accordance with subparagraph (a)(4) or (a)(5), below, as appropriate.

(3) Comply with all Cost Accounting Standards in effect on the date of award of this contract or if the Contractor has submitted cost or pricing data, on the date of final agreement on price as shown on the Contractor's signed certificate of current cost or pricing data. The Contractor shall also comply with any Cost Accounting Standard which hereafter becomes applicable to a contract or subcontract of the Contractor. Such compliance shall be required prospectively from the date of applicability to such contract or subcontract.

(4) (A) Agree to an equitable adjustment (as provided in the Changes clause of this contract, if any) if the contract cost is affected by a change which, pursuant to (3) above, the Contractor is required to make to his established cost accounting practices whether such practices are covered by a Disclosure Statement or not.

(B) Negotiate with the Contracting Officer to determine the terms and conditions under which a change to either a disclosed cost accounting practice, other than a change under (4)(A), above, may be made. A change to a practice may be proposed by either the Government or the Contractor, provided, however, that no agreement may be made under this provision that will increase costs paid by the United States.

(5) Agree to an adjustment of the contract price or cost allowance, as appropriate, if he or a subcontractor fails to comply with an applicable Cost Accounting Standard or to follow any practice disclosed pursuant to subparagraphs (a)(1) and (a)(2), above, and such failure results in any increased costs paid by the United States. Such adjustment shall provide for recovery of the increased costs to the United States together with interest thereon computed at the rate determined by the Secretary of the Treasury pursuant to P.L. 92-41, 85 Stat. 97, or 7 percent per annum, whichever is less, from the time the payment by the United States was made to the time the adjustment is effected.

(b) If the parties fail to agree whether the Contractor or a subcontractor has complied with an applicable Cost Accounting Standard, rule, or regulation of the Cost Accounting Standards Board and as to any cost adjustment demanded by the United States, such failure to agree shall be a dispute concerning a question of fact within the meaning of the Disputes clause of this contract.

(c) The Contractor shall permit any authorized representatives of the head of the Commission, of the Cost Accounting Standards Board, or of the Comptroller General of the United States to examine and make copies of any documents, papers, or records relating to compliance with the requirements of this clause.

(d) The Contractor shall include in all negotiated subcontracts which he enters into the substance of this clause except paragraph (b), and shall require such inclusion in all other subcontracts of any tier, except that this requirement shall apply only to negotiated subcontracts in excess of \$100,000 where the price negotiated is not based on:

(1) Established catalog or market prices of commercial items sold in substantial quantities to the general public; or

(2) Prices set by law or regulation, and except that the requirement shall not apply to negotiated subcontracts otherwise exempt from the requirement to accept the Cost Accounting Standards clause by reason of § 331.30(b) of Title 4, Code of Federal Regulations (4 CFR 331.30(b)) or § 1-3.1203(a)(2) of Title 41, Code of Federal Regulations (41 CFR 1-3.1203(a)(2)).

However, if this is a contract with an agency which permits subcontracts to appeal final decisions of the Contracting Officer directly to the head of the agency or his duly authorized representative, then the Contractor shall include the substance of paragraph (b) as well.

NOTE: (1) Subcontractors shall be required to submit their Disclosure Statements to the Contractor. However, if a subcontractor has previously submitted his Disclosure Statement to a Government Contracting Officer he may satisfy that requirement by certifying to the Contractor the date of such Statement and the address of the Contracting Officer.

(2) In any case where a subcontractor determines that the Disclosure Statement information is privileged and confidential and declines to provide it to his Contractor or higher tier subcontractor, the Contractor may authorize direct submission of that subcontractor's Disclosure Statement to the same Government offices to which the Contractor was required to make submission of his Disclosure Statement. Such authorization shall in no way relieve the Contractor of liability as provided in paragraph (a)(5) of this clause. In view of the foregoing and since the contract may be subject to adjustment under this clause by reason of any failure to comply with rules, regulations, and standards of the Cost Accounting Standards Board in connection with covered subcontracts, it is expected that the Contractor may wish to include a clause in each such subcontract requiring the subcontractor to appropriately indemnify the Contractor. However, the inclusion of such a clause and the terms thereof

are matters for negotiation and agreement between the Contractor and the subcontractor, provided that they do not conflict with the duties of the contractor under its contract with the Government. It is also expected that any subcontractor subject to such indemnification will generally require substantially similar indemnification to be submitted by his subcontractors.

(e) The terms defined in Sec. 331.20 of Part 331 of Title 4, Code of Federal Regulations (4 CFR 331.20) shall have the same meanings herein. As there defined, "negotiated subcontract" means "any subcontract except a firm fixed-price subcontract made by a Contractor or subcontractor after receiving offers from at least two firms not associated with each other or such Contractor or subcontractor, providing (1) the solicitation to all competing firms is identical, (2) price is the only consideration in selecting the subcontractor from among the competing firms solicited, and (3) the lowest offer received in compliance with the solicitation from among those solicited is accepted."

38. ADMINISTRATION OF COST ACCOUNTING STANDARDS (1-3.1204-2) (When applicable)

For the purpose of administering Cost Accounting Standards requirements under this contract the Contractor shall:

(a) Submit to the cognizant contracting officer a description of the accounting change and the general dollar magnitude of the change to reflect the sum of all increases and the sum of all decreases for all contracts containing the Cost Accounting Standards clause:

(1) For any change in cost accounting practices required to comply with a new Cost Accounting Standard in accordance with paragraphs (a)(3) and (a)(4)(A) of the clause of this contract entitled "Cost Accounting Standards" within 60 days (or such other date as may be mutually agreed to) after award of a contract requiring such change;

(2) For any change to cost accounting practices proposed in accordance with paragraph (a)(4)(B) of the clause of this contract entitled "Cost Accounting Standards" not less than 60 days (or such other date as may be mutually agreed to) prior to the effective date of the proposed change; or

(3) For any failure to comply with an applicable Cost Accounting Standard or to follow a disclosed practice as contemplated by paragraph (a)(5) of the clause of this contract entitled "Cost Accounting Standards" within 60 days (or such other date as may be mutually agreed to) after the date of agreement of such noncompliance by the Contractor.

(b) Submit a cost impact proposal in the form and manner specified by the cognizant contracting officer within 60 days (or such other date as may be mutually agreed to) after the date of determination of the adequacy and compliance of a change submitted pursuant to (a)(1), (2) or (3) above.

(c) Agree to appropriate contract and subcontract amendments to reflect adjustments established in accordance with paragraphs (a)(4) and (a)(5) of the clause of this contract entitled "Cost Accounting Standards."

(d) Include the substance of this clause in all negotiated subcontracts containing the clause entitled "Cost Accounting Standards." In addition, include a provision in these subcontracts which will require such subcontractors, within thirty (30) days after receipt of award, to submit the following information to the contracting officer cognizant of the subcontractor's facility:

- (1) Subcontractor's name and subcontract number;
- (2) Dollar amount and date of award;
- (3) Name of Contractor making the award; and

(4) A statement as to whether the subcontractor has made or proposes to make any changes to accounting practices that affect prime contracts or subcontracts containing the Cost Accounting Standards clause, unless such changes have already been reported. If award of the subcontract results in making a Cost Accounting Standard(s) effective for the first time this shall also be reported.

(e) In the event an adjustment is required to be made to any subcontract hereunder, notify the cognizant contracting officer in writing of such adjustment and agree to an adjustment in the price or estimated cost and fee of this contract, as appropriate, based upon the adjustment established under subcontract. Such notice shall be given within 30 days after receipt of the proposed subcontract adjustment, and shall include a proposal for adjustment to such higher tier subcontract or prime contract, as appropriate.

(f) When the Cost Accounting Standards clause and this clause are included in subcontracts, the term "contracting officer" shall be suitably altered to identify the purchaser.

39. NOTICE REGARDING LATE DELIVERY (1-7.204-4)

In the event the Contractor encounters difficulty in meeting the performance requirements, or anticipates difficulty in complying with the contract delivery schedule or date, the Contractor shall immediately notify the Contracting Officer thereof in writing, giving pertinent details, including the date by which it expects to complete performance or make delivery: Provided, however, that this data shall be informational only in character and that receipt thereof shall not be construed as a waiver by the Government of any contract delivery schedule or date, or any rights or remedies provided by law or under this contract.

40. KEY PERSONNEL (1-7.304-6)

The personnel specified in this contract are considered to be essential to the work being performed hereunder. Prior to diverting any of the specified

individuals to other programs, the Contractor shall notify the Contracting Officer reasonably in advance and shall submit justification (including proposed substitutions) in sufficient detail to permit evaluation of the impact on the program. No diversion shall be made by the Contractor without the written consent of the Contracting Officer: Provided, That the Contracting Officer may ratify in writing such diversion and such ratification shall constitute the consent of the Contracting Officer required by this clause. The attachment to this contract may be amended from time to time during the course of the contract to either add or delete personnel, as appropriate.

41/ EXCUSABLE DELAYS (1-8.708)

Except with respect to defaults of subcontractors, the contractor shall not be in default by reason of any failure in performance of this contract in accordance with its terms (including any failure by the contractor to make progress in the prosecution of the work hereunder which endangers such performance) if such failure arises out of causes beyond the control and without the fault or negligence of the contractor. Such causes may include, but are not restricted to acts of God or of the public enemy, acts of the Government in either its sovereign or contractual capacity, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes, and unusually severe weather, but in every case the failure to perform must be beyond the control and without the fault or negligence of the contractor. If the failure to perform is caused by the failure of the subcontractor to perform or make progress, and if such failure arises out of causes beyond the control of both the contractor and subcontractor, and without the fault or negligence of either of them, the contractor shall not be deemed to be in default, unless (a) the supplies or services to be furnished by the subcontractor were obtainable from other sources, (b) the Contracting Officer shall have ordered the contractor in writing to procure such supplies or services from such other sources, and (c) the contractor shall have failed to comply reasonably with such order. Upon request of the contractor, the Contracting Officer shall ascertain the facts and extent of such failure and, if he shall determine that any failure to perform was occasioned by any one or more of the said causes, the delivery schedule shall be revised accordingly, subject to the rights of the Government under the clause hereof entitled "Termination for Default or for Convenience of the Government." (As used in this clause, the terms "subcontractor" and "subcontractors" means subcontractor(s) at any tier.)

42. STATE AND LOCAL TAXES (9-11.452)

(a) The contractor agrees to notify the Commission of any state or local tax, fee, or charge levied or purported to be levied on or collected from the contractor with respect to the contract work, any transaction thereunder, or property in the custody or control of the contractor and constituting an allowable item of cost if due and payable, but which the contractor has reason to believe, or the Commission has advised the contractor, is or may be inapplicable or invalid; and the contractor further agrees to refrain from

paying any such tax, fee, or charge unless authorized in writing by the Commission. Any state or local tax, fee, or charge paid with the approval of the Commission or on the basis of advice from the Commission that such tax, fee, or charge is applicable and valid, and which would otherwise be an allowable item of cost, shall not be disallowed as an item of cost by reason of any subsequent ruling or determination that such tax, fee, or charge was in fact inapplicable or invalid.

(b) The contractor agrees to take such action as may be required or approved by the Commission to cause any state or local tax, fee, or charge which would be an allowable cost to be paid under protest; and to take such action as may be required or approved by the Commission to seek recovery of any payments made, including assignment to the Government or its designee of all rights to an abatement or refund thereof, and granting permission for the Government to join with the contractor in any proceedings for the recovery thereof or to sue for recovery in the name of the contractor. If the Commission directs the contractor to institute litigation to enjoin the collection of or to recover payment of any such tax, fee, or charge referred to above, or if a claim or suit is filed against the contractor for a tax, fee, or charge it has refrained from paying in accordance with this article, the procedures and requirements of the article entitled "Litigation and Claims" shall apply and the costs and expenses incurred by the contractor shall be allowable items of cost, as provided in this contract, together with the amount of any judgment rendered against the contractor.

(c) The Government shall save the contractor harmless from penalties and interest incurred through compliance with this article. All recoveries or credits in respect of the foregoing taxes, fees, and charges (including interest) shall inure to be for the sole benefit of the Government.

43. COPYRIGHT (9-9.5103(d))

(a) The contractor (i) agrees that the Commission shall determine the disposition of the title to and the rights under any copyright secured by the contractor or its employees on copyrightable material first produced or composed under this contract and (ii) hereby grants to the Government a royalty-free, nonexclusive, irrevocable license to reproduce, translate, publish, use and dispose of, and to authorize others so to do, all copyrighted or copyrightable work not first produced or composed by the contractor in the performance of this contract but which is incorporated in the material furnished under the contract, provided that such license shall be only to the extent the contractor now has, or prior to the completion or final settlement of the contract may acquire the right to grant such license without becoming liable to pay compensation to others solely because of such grant.

(b) The contractor agrees that it will not include any copyrighted material in any written or copyrightable material furnished or delivered under this contract without a license as provided for in paragraph (a)(ii) hereof or without the consent of the copyright owner, unless specific written approval of the Contracting Officer for the inclusion of such copyrighted material is secured.

(c) The contractor agrees to report in writing to the Commission, promptly and in reasonable detail, any notice or claim or copyright infringement received by the contractor with respect to any material delivered under this contract.

44. PATENT INDEMNITY (9-9.5009(c))

The contractor agrees to indemnify the Government, its officers, agents, servants and employees against liability of any kind (including costs and expenses incurred) for the use of any invention or discovery and for the infringement or any Letters Patent (not including liability, arising pursuant to Section 183, Title 35, (1952) U.S. Code, prior to the issuance of Letters Patent) occurring in the performance of this contract or arising by reason of the use of disposal by or for the account of the Government of items manufactured or supplied under this contract.

45. COPYRIGHT INDEMNIFICATION OF GOVERNMENT (9-9.5104)

Except as otherwise provided, the contractor agrees to indemnify the Government, its officers, agents, servants, and employees against liability, including costs and expenses, for the infringement of any copyright in any work protected under the copyright laws of the United States arising out of the performance of this contract, including the reproduction, translation, publication or use of any such copyright material.

46. LITIGATION AND CLAIMS (9-7.5006-50)

(a) Initiation of litigation. The contractor may, with the prior written authorization of the Contracting Officer, and shall, upon the request of the Commission initiate litigation against third parties, including proceedings before administrative agencies, in connection with this contract. The contractor shall proceed with such litigation in good faith and as directed from time to time by the Contracting Officer.

(b) Defense and settlement of claims. The contractor shall give the Contracting Officer immediate notice in writing (1) of any action, including any proceeding before an administrative agency, filed against the contractor arising out of the performance of this contract, and (2) of any claim against the contractor, the cost and expense of which is allowable under the clause entitled "Allowable Costs." Except as otherwise directed by the Contracting Officer, in writing, the contractor shall furnish immediately to the Contracting

Officer copies of all pertinent papers received by the contractor with respect to such action or claim. To the extent not in conflict with any applicable policy of insurance, the contractor may with the Contracting Officer's approval settle any such action or claim, shall effect at the Contracting Officer's request an assignment and subrogation in favor of the Government of all the contractor's rights and claims (except those against the Government) arising out of any such action or claim against the contractor, and, if required by the Contracting Officer, shall authorize representatives of the Government to settle or defend any such action or claim and to represent the contractor in, or to take charge of, any action. If the settlement or defense of an action or claim against the contractor is undertaken by the Government, the contractor shall furnish all reasonable assistance in effecting a settlement or asserting a defense. Where an action against the contractor is not covered by a policy of insurance, the contractor shall, with the approval of the Contracting Officer, proceed with the defense of the action in good faith; and in such event the defense of the action shall be at the expense of the Government: Provided, however, That the Government shall not be liable for such expense to the extent that it would have been compensated for by insurance which was required by law or by the written direction of the Contracting Officer, but which the contractor failed to secure through its own fault or negligence.

47. RENEGOTIATION (9-7.5004-20)

If this contract is subject to the Renegotiation Act of 1951, as amended, the following provisions shall apply:

(a) This contract is subject to the Renegotiation Act of 1951 (50 U.S.C. App. 1211, et. seq.), as amended, and to any subsequent act of Congress providing for the renegotiation of contracts. Nothing contained in this clause shall impose any renegotiation obligation with respect to this contract or any subcontract hereunder which is not imposed by an act of Congress heretofore or hereafter enacted. Subject to the foregoing, this contract shall be deemed to contain all the provisions required by section 104 of the Renegotiation Act of 1951, and by any such other act, without subsequent contract amendment specifically incorporating such provisions.

(b) The contractor agrees to insert the provisions of this clause, including this paragraph (b), in all subcontracts, as that term is defined in section 103 g. of the Renegotiation Act of 1951, as amended.

48. PERMITS (9-7.5006-48)

Except as otherwise directed by the Contracting Officer, the contractor shall procure all necessary permits or licenses and abide by all applicable laws, regulations, and ordinances of the United States and of the State, territory, and political subdivision in which the work under this contract is performed.

49. CONSULTANT OR COMPARABLE EMPLOYMENT SERVICES OF CONTRACTOR EMPLOYEES
(9-7.5006-45(a))

The contractor shall require all employees who are employed full-time (an individual who performs work under the cost-type contract on a full-time annual basis) or part-time (50 percent or more of regular annual compensation received under terms of a contract with the Commission) on the contract work to disclose to the contractor all consultant or other comparable employment services which the employees proposed to undertake for others. The contractor shall transmit to the Contracting Officer all information obtained from such disclosures. The contractor will require any employee who will be employed full-time on the contract to agree, as a condition of his participation in such work, that he will not perform consultant or other comparable employment services for another Commission cost-type contractor under its contract with the Commission except with the prior approval of the contractor.

50. SAFETY, HEALTH, AND FIRE PROTECTION (9-7.5006-47)

The contractor shall take all reasonable precautions in the performance of the work under this contract to protect the health and safety of employees and of members of the public and to minimize danger from all hazards to life and property and shall comply with all health, safety, and fire protection regulations and requirements (including reporting requirements) of the Commission. In the event that the contractor fails to comply with said regulations or requirements of the Commission, the Contracting Officer may, without prejudice to any other legal or contractual rights of the Commission, issue an order stopping all or any part of the work; thereafter a start order for resumption of work may be issued at the discretion of the Contracting Officer. The contractor shall make no claim for an extension of time or for compensation or damages by reason of or in connection with such work stoppage.

51. SECURITY (9-7.5004-11 Modified)

(Applicable if Restricted Data or Classified information is involved)

(a) Contractor's duty to safeguard Restricted Data, Formerly Restricted Data, and other classified information. The Contractor shall, in accordance with the Nuclear Regulatory Commission's security regulations and requirements, be responsible for safeguarding Restricted Data, Formerly Restricted Data, and other classified information and protecting against sabotage, espionage, loss and theft, the classified documents and material in the contractor's possession in connection with the performance of work under this contract. Except as otherwise expressly provided in this contract, the contractor shall, upon completion or termination of this contract, transmit to the Commission any classified matter in the possession of the contractor or any person under the contractor's control in connection with the performance of this contract.

If retention by the Contractor of any classified matter is required after the completion or termination of the contract and such retention is approved by the Contracting Officer the Contractor will complete a certificate of possession to be furnished to the Nuclear Regulatory Commission specifying the classified matter to be retained. The certification shall identify the

items and types or categories of matter retained, the conditions governing the retention of the matter and the period of retention, if known. If the retention is approved by the Contracting Officer, the security provisions of the contract will continue to be applicable to the matter retained.

(b) Regulations. The Contractor agrees to conform to all security regulations and requirements of the Commission.

(c) Definition of Restricted Data. The term "Restricted Data," as used in this clause, means all data concerning (1) design, manufacture, or utilization of atomic weapons; (2) the production of special nuclear material; or (3) the use of special nuclear material in the production of energy, but shall not include data declassified or removed from the Restricted Data category pursuant to section 142 of the Atomic Energy Act of 1954, as amended.

(d) Definition of Formerly Restricted Data. The term "Formerly Restricted Data," as used in this clause, means all data removed from the Restricted Data category under section 142 d. of the Atomic Energy Act of 1954, as amended.

(e) Security clearance of personnel. The Contractor shall not permit any individual to have access to Restricted Data, Formerly Restricted Data, or other classified information, except in accordance with the Atomic Energy Act of 1954, as amended, and the Commission's regulations or requirements applicable in the particular type or category of classified information to which access is required.

(f) Criminal Liability - It is understood that disclosure of Restricted Data, Formerly Restricted Data, or other classified information relating to the work or services ordered hereunder to any person not entitled to receive it, or failure to safeguard any Restricted Data, Formerly Restricted Data, or other classified matter that may come to the Contractor or any person under the contractor's control in connection with work under this contract, may subject the contractor, its agents, employees, or subcontractors to criminal liability under the laws of the United States. (See the Atomic Energy Act of 1954; as amended, 42 U.S.C. 2011 et seq.; 18 U.S.C. 793 and 794; and Executive Order 11652.)

(g) Subcontracts and purchase orders. Except as otherwise authorized in writing by the Contracting Officer, the contractor shall insert provisions similar to the foregoing in all subcontracts and purchase orders under this contract.

(h) In the performance of the work under this contract, the contractor shall assign classifications to all documents, material, and equipment originated or generated by the Contractor in accordance with classification guidance furnished to the contractor by the Commission. Every subcontract and purchase order issued hereunder involving the origination or generation of classified documents, material, or equipment shall include a provision to the effect that in the performance of such subcontracts or purchase orders the subcontractor or supplier shall assign classifications to all such documents, material and equipment in accordance with classification guidance furnished to such subcontractor or supplier by the contractor.

52. CONTRACTOR'S ORGANIZATION (9-7.5006-6)

(a) Organization Chart. As promptly as possible after the execution of this contract, the contractor shall furnish to the Contracting Officer a chart showing the names, duties, and organization of key personnel to be employed in connection with the work, and shall furnish from time to time supplementary information reflecting changes therein.

(b) Supervising representative of contractor. Unless otherwise directed by the Contracting Officer, a competent full-time resident supervising representative of the contractor satisfactory to the Contracting Officer shall be in charge of the work at the site at all times.

(c) The contractor shall be responsible for maintaining satisfactory standards of employee competency, conduct, and integrity and shall be responsible for taking such disciplinary action with respect to his employees as may be necessary. The contractor shall establish such standards and procedures as are necessary to implement effectively the provisions set forth in AECPR 9-12.54, and such standards and procedures shall be subject to the approval of the Contracting Officer.

53. PRIVATE USE OF CONTRACT INFORMATION AND DATA (9-7.5006-59)

Except as specifically authorized by this contract, or as otherwise approved by the Contracting Officer, information and other data developed or acquired by or furnished the contractor in the performance of this contract, shall be used only in connection with the work under this contract.

54. DRAWINGS, DESIGNS, SPECIFICATIONS (9-7.5006-13)

All drawings, sketches, designs, design data, specifications, notebooks, technical and scientific data, and all photographs, negatives, reports, findings, recommendations, data and memoranda of every description relating thereto, as well as all copies of the foregoing relating to the work or any part thereof, shall be subject to inspection by the Commission at all reasonable times (for which inspection the proper facilities shall be afforded the Commission by the contractor and its subcontractors), shall be the property of the Government and may be used by the Government for any purpose whatsoever without any claim on the part of the contractor and its subcontractors and vendors for additional compensation and shall, subject to the right of the contractor to retain a copy of said material for its own use, be delivered to the Government, or otherwise disposed of by the contractor either as the Contracting Officer may from time to time direct during the progress of the work or in any event as the Contracting Officer shall direct upon completion or termination of this contract. The contractor's right of retention and use shall be subject to the security, patent, and use of information provisions, if any, of this contract.

55. CONTRACTOR PROCUREMENT (9-7.5006-29)

(a) The Commission reserves the right at any time to require that the contractor submit for approval any or all procurements under this contract. The contractor shall not procure any item whose purchase is expressly prohibited by the written direction of the Commission and shall use such special and directed procurement sources as may be expressly required by the Commission. The contractor shall, if requested by the Contracting Officer, provide information concerning procurement methods, practices, and procedures used or proposed to be used and shall use methods, practices, and procedures which are acceptable to the Commission. Procurement arrangements under this contract shall not relieve the contractor of any obligation under this contract (including, among other things, the obligation to properly supervise, administer, and coordinate the work of subcontractors) and shall be in such form and contain such provisions as are required by this contract or as the Commission may prescribe.

(b) Procurement or transfer of equipment, materials, supplies, or services from a contractor-controlled source (any division or other organizational component of the prime contractor (exclusive of the contracting component) and any subsidiary or affiliate of the contractor under a common control) shall be considered a procurement for the purposes of this article.

56. PREFERENCE FOR U.S. FLAG AIR CARRIERS (1-1.323-2)

(a) Pub. L. 93-623 requires that all Federal agencies and Government contractors and subcontractors will use U.S. flag air carriers for international air transportation of personnel (and their personal effects) or property to the extent service by such carriers is available. It further provides that the Comptroller General of the United States shall disallow any expenditure from appropriated funds for international air transportation on other than a U.S. flag air carrier in the absence of satisfactory proof of the necessity therefor.

(b) The contractor agrees to utilize U.S. flag air carriers for international air transportation of personnel (and their personal effects) or property to the extent service by such carriers is available.

(c) In the event that the contractor selects a carrier other than a U.S. flag air carrier for international air transportation; he will include a certification on vouchers involving such transportation which is essentially as follows:

CERTIFICATION OF UNAVAILABILITY OF U.S. FLAG
AIR CARRIERS

I hereby certify that transportation service for personnel (and their personal effects) or property by certificated air carrier was unavailable for the following reasons:¹(state reasons)

¹ See Federal Procurement Regulations (41 CFR 1-1.323-3) or section 1-336.2 of the Armed Services Procurement Regulations, as applicable.

(d) The terms used in this clause have the following meanings:

(1) "International air transportation" means transportation of persons (and their personal effects) or property by air between a place in the United States and a place outside thereof or between two places both of which are outside the United States.

(2) "U.S. flag air carrier" means one of a class of air carriers holding a certificate of public convenience and necessity issued by the Civil Aeronautics Board, approved by the President, authorizing operations between the United States and/or its territories and one or more foreign countries.

(3) The term "United States" includes the fifty states, Commonwealth of Puerto Rico, possessions of the United States, and the District of Columbia.

(e) The contractor shall include the substance of this clause, including this paragraph (e), in each subcontract or purchase hereunder which may involve international air transportation.

57. AUTHORIZED REPRESENTATIVE

The Contracting Officer may designate an authorized representative under this contract for the purpose of assuring that services required under the contract are ordered and delivered in accordance therewith. Such representative as may be appointed will be specifically designated in writing to the Contractor from the Contracting Officer, including the extent of such designee's authority.

58. STOP WORK ORDER

(a) The Contracting Officer may, at any time, by written order to the Contractor, require the Contractor to stop all, or any part, of the work called for by this contract for a period of ninety (90) days after the order is delivered to the Contractor, and for any further period at which the parties may agree. Any such order shall be specifically identified as a Stop Work Order issued pursuant to this clause. Upon receipt of such an order, the Contractor shall forthwith comply with its terms and take all reasonable steps to minimize the incurrence of costs allocable to the work covered by the order during the period of work stoppage. Within a period of ninety (90) days after a stop work order is delivered to the Contractor, or within any extension of that period to which the parties shall have agreed, the Contractor Officer shall either:

- (i) cancel the stop work order, or
- (ii) terminate the work covered by such order as provided in the "Default" or the "Termination for Convenience" clause of this contract.

(b) If a stop work order issued under this clause is canceled or the period of the order or any extension thereof expires, the Contractor shall resume work. An equitable adjustment shall be made in the delivery schedule, the estimated cost, the fee, or a combination thereof, and the contract shall be modified in writing accordingly, if:

- (i) the stop work order results in an increase in the time required for, or in the Contractor's cost properly allocable to, the performance of any part of this contract, and
- (ii) the Contractor asserts a claim for such adjustment within thirty (30) days after the end of the period of work stoppage; provided that, if the Contracting Officer decides the facts justify such action, he may receive and act upon any such claim asserted at any time prior to final payment under this contract.

(c) If a stop work order is not canceled and the work covered by such order is terminated for the convenience of the Government, the reasonable costs resulting from the stop work order shall be allowed in arriving at the termination settlement.

(d) If a stop work order is not cancelled and the work covered by such order is terminated for default, the reasonable costs resulting from the stop work order shall be allowed by equitable adjustment or otherwise.

59. PUBLICATION AND PUBLICITY

Unless otherwise specified in this contract, the Contractor is encouraged to publish and make available through accepted channels the results of its work under this contract. The Contractor shall submit a copy of each article or other information to the Project Officer prior to publication or dissemination for public use. If the article or other information is subsequently modified or altered in any manner, the Contractor shall promptly notify the Project Officer and furnish him/her a copy of the article or other information as finally submitted for publication or dissemination.

The Contractor shall acknowledge the support of the U. S. Nuclear Regulatory Commission whenever publicizing the work under this contract in any media. To effectuate the foregoing, the Contractor shall include in any publication resulting from work performed under this contract an acknowledgment substantially as follows:

"The work upon which this publication is based was performed pursuant to Contract (insert number) with the (insert name of constituent agency), U. S. Nuclear Regulatory Commission."

Either Clause No. 60. entitled "Dissemination of Contract Information" or Clause No. 59. is for application but not both. In the absence of a clear delineation, Clause No. 59. applies.

60. 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 of conclusions made pursuant to the performance of this contract, without the prior written consent of the Contracting Officer. (Two copies of any material proposed to be published or distributed shall be submitted to the Contracting Officer.) Failure to comply with this clause shall be grounds for termination of this contract.

61. WORK FOR OTHERS

Notwithstanding any other provision of this contract, during the term of this contract, the contractor agrees to forego entering into consulting or other contractual arrangements with any firm or organization, the result of which may give rise to an actual or apparent conflict of interest with respect to the work being performed under this contract. The contractor shall insure that all employees designated as key personnel if any, under this contract abide by the provisions of this clause. If the contractor believes with respect to itself or any such employee that any proposed consultant or other contractual arrangement with any firm or organization may involve a possible conflict of interest, the contractor shall obtain the written approval of the Contracting Officer prior to execution of such contractual arrangement.

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