Oak Ridge National Laboratory

Contract with the Department of Energy

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2. CONTRACT NUMBER	3. SOLICITATION NUMBER	4. TYPE OF SOLICITATION	5. DATE ISSUED	6. REQUISITION/PURCHASE NO.
DE-AC05-00OR22725	DE-RP05-99OR22725	[ ] SEALED BID (IFB) [X] NEGOTIATED (RFP)	April 12, 1999	05-99OR22725.000

7. ISSUED BY	CODE	8. ADDRESS OFFER TO (If other than Item 7)
U.S. Department of Energy Oak Ridge Operations Office Procurement and Contracts Division P.O. Box 2001, Attn: Mary Lou Crow, AD-423 Oak Ridge, TN 37831-8758		Direct Delivery Address: U. S. Department of Energy Oak Ridge Operations Office Procurement and Contracts Division 200 Administration Road, Attn: Mary Lou Crow, AD-423 Oak Ridge, TN 37830

NOTE: In sealed bid solicitations "offer" and "offeror" mean "bid" and "bidder".

SOLICITATION

9. Sealed offers in original and (See Section L) copies for furnishing the supplies or services in the Schedule will be received at the place specified in Item 8, or if handcarried, in the depository located in (See Section L) until (See Section L) *(Hour)* local time _____ *(Date)*

CAUTION - LATE Submissions, Modifications, and Withdrawals: See Section L, Provision No. 52.214-7 or 52.215-1. All offers are subject to all terms and conditions contained in this solicitation.

10. **FOR INFORMATION CALL**:	A. NAME	B. TELEPHONE NO. (NO COLLECT CALLS)	C. E-MAIL ADDRESS
	Mary Lou Crow	Tel 423-241-1646 Fax 423-241-1647	ornlseb@oro.doe.gov

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OFFER (*Must be fully completed by offeror*)

NOTE: Item 12 does not apply if the solicitation includes the provisions at 52.214-16, Minimum Bid Acceptance Period.

12. In compliance with the above, the undersigned agrees, if this offer is accepted within 210 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 which prices are offered at the price set opposite each item, delivered at the designated point(s), within the time specified in the schedule.

13. DISCOUNT FOR PROMPT PAYMENT	10 CALENDAR DAYS (%)	20 CALENDAR DAYS (%)	30 CALENDAR DAYS (%)	CALENDAR DAYS (%)
N/A				

14. ACKNOWLEDGEMENT OF AMENDMENTS (The offeror acknowledges receipt of amendments to the SOLICITATION for offerors and related documents numbered and dated:	AMENDMENT NO.	DATE	AMENDMENT NO.	DATE
	001	April 27, 1999	003	June 1, 1999
	002	May 7, 1999	004	July 9, 1999
			005	July 19, 1999

15A. NAME AND ADDRESS OF OFFEROR	CODE	FACILITY	16. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER *(Type or print)*
UT-Battelle, LLC 40 New York Avenue Oak Ridge, TN 37830			Dr. William J. Madia Chief Executive Officer

15.B. TELEPHONE NO. (Include area code)	15C. CHECK IF REMITTANCE ADDRESS IS DIFFERENT FROM ABOVE - ENTER SUCH ADDRESS IN SCHEDULE.	17. SIGNATURE	18. OFFER DATE
(423) 220-5101		*/original signed by Dr. William J. Madia /*	August 2, 1999

AWARD (*To be completed by Government*)

19. ACCEPTED AS TO ITEMS NUMBERED	20. AMOUNT	21. ACCOUNTING AND APPROPRIATION

22. AUTHORITY FOR USING OTHER THAN FULL AND OPEN COMPETITION:	23. SUBMIT INVOICES TO ADDRESS SHOWN IN (4 copies unless otherwise specified) ▸	ITEM
□ 10 U.S.C. 2304(c) ( ) □ 41 U.S.C. 253 (c)( )		

24. ADMINISTERED BY (If other than Item 7)	CODE	25. PAYMENT WILL BE MADE BY	CODE

26. NAME OF CONTRACTING OFFICER (Type or print)	27. UNITED STATES OF AMERICA	28. AWARD DATE
G. Leah Dever Head of Contracting Activity	*/original signed by G. Leah Dever /* (Signature of Contracting Officer)	10/18/99

IMPORTANT - Award will be made on this Form, or on Standard Form 26, or by other authorized official written notice.

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PART I—THE SCHEDULE

SECTION B—SUPPLIES OR SERVICES AND PRICES/COSTS

B-1. Services Being Acquired

The Contractor shall manage and operate the Oak Ridge National Laboratory (ORNL or Laboratory), a Federally Funded Research and Development Center (FFRDC). The Contractor shall use its best efforts to provide the necessary personnel, equipment, materials, supplies, and services (except as may be provided by the Government) and otherwise do all things necessary for, or incidental to, performing the Statement of Work set forth in Section C as directed by the Contracting Officer within the scope of this contract, or as may be agreed upon by the Contractor and the Contracting Officer.

B-2. Fixed Fee

A fixed fee of $3,500,000 shall be paid to the Contractor for performance of the work under the contract for the period February 1, 2000, through September 30, 2000, in accordance with the provisions of the clause in Section I entitled, "Payments and Advances." There shall be no adjustment in the amount of the fee by reason of differences between any estimate of cost for performance of the work under this contract and the actual costs for performance of that work. Fee is subject to adjustment only under the provisions of the clause in Section I entitled, "Changes." The fixed fee shall be applicable to the prime contractor and its members in a joint venture or limited liability company, teaming partner, and subcontractors identified and considered a part of the selection and award of this contract, if any.

B-3. Performance Fee

In implementation of the clause in Section I entitled, "Total Available Fee: Base Fee Amount and Performance Fee," the following shall apply:

(a) There is no base fee for the period October 1, 2000, through March 31, 2005. During the period October 1, 2000, through September 30, 2004, annual total available performance fee shall be $7,000,000 less a fee discount factor of 2%. During the period October 1, 2004, through March 31, 2005, total available performance fee shall be $3,500,000 less the fee discount factor stated above.

(b) There will be no annual negotiation of total available performance fee since the total available performance fee for the basic period of the contract has been established. There shall be no adjustment in the amount of the total available performance fee by reason of differences between any estimate of cost for performance of the work under this contract and the actual costs for performance of that work. Total available performance fee is subject to adjustment only under

the provisions of the clause in Section I entitled, "Changes." The total available performance fee shall be applicable to the prime contractor and its members in a joint venture or limited liability company, teaming partner, and subcontractors identified and considered a part of the selection and award of this contract, if any.

(c) Based on the annual evaluation of the Contractor's overall performance, the total performance fee earned for each evaluation period shall be as follows:

Overall Performance Attained	Available Fee Earned
Outstanding—Exceeds performance expectations	100%
Excellent—Meets performance expectations	90%
Good—Meets most performance expectations	50%
Marginal—Does not meet performance expectations	0%

Performance fee earned shall be available for payment in accordance with the provisions of this clause and the clause in Section I entitled, "Payments and Advances."

(d) Performance expectations, including relative weights, and performance objectives upon which the Contractor will be evaluated annually will be contained in a performance evaluation and measurement plan identified as a Performance Evaluation Plan consistent with the clause in Section H entitled, "Performance Expectations," and the clause in Section I entitled, "Total Available Fee: Base Fee Amount and Performance Fee."

(e) The Contractor may be paid provisional performance fee payments consistent with the provisions of the clause in Section I entitled, "Payments and Advances." The Contractor shall promptly refund to the Government any amount of performance fee paid that exceeds the amount of performance fee earned.

B-4. Fee During Option Period

If the option period of performance is exercised in accordance with the provisions of the clause in Section I entitled, "Option to Extend the Term of the Contract," the fee for the option period shall be negotiated between DOE and the Contractor consistent with the provisions stated below. References to the Department of Energy Acquisition Regulation (DEAR) shall be that published in the Federal Register March 11, 1999, Volume 64, Number 47.

(a) The fee shall not exceed that allowed by DEAR 970.15404-4, "Fees for management and operating contracts," and shall not include the application of

classification factors in DEAR 970.15404-4-8, “Special considerations: cost-plus-award-fee.”

(b) The fee shall be consistent with the approach used in the basic term of the contract.

(c) A fee discount factor of 2% shall be applied to the fee resulting from (a) and (b) above to produce the total available performance fee applicable to the option period.

(d) Reserved

(e) In the interim 165-day option period, from March 31, 2005 to September 12, 2005, the fee is to be consistent with the approach used in the basic term of the contract and any adjustments, if needed, will be made appropriately once the fee for the remaining 5-year option is negotiated and approved.

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PART I - THE SCHEDULE

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C-1. Introduction

(a) Oak Ridge National Laboratory is a multi-program Department of Energy (DOE) national laboratory and a Federally Funded Research and Development Center (FFRDC) established in accordance with the Federal Acquisition Regulation Subpart 35. Oak Ridge National Laboratory, subsequently referred to as the Laboratory, is an Office of Science laboratory. The Laboratory performs work for all DOE programs including Science, Energy Efficiency and Renewable Energy, Nuclear Energy Science and Technology, Nonproliferation and National Security, Fossil Energy, Environmental Management, and Defense Programs. The Laboratory mission is to conduct basic and applied research and development (R&D) to advance scientific knowledge, the nation's energy resources, and environmental quality and to strengthen educational foundations and national economic competitiveness. DOE programs are carried out in partnership with academia, the private sector, other DOE national laboratories, the international scientific community, and other government agencies. The Laboratory also performs work consistent with the DOE mission for entities other than DOE. The Contractor will advance the frontiers of science and technology through broad interdisciplinary R&D programs that answer fundamental questions, solve technical problems (locally, regionally, nationally, and internationally), and develop and apply technologies to address societal needs.

(b) This performance-based management contract reflects the Contractor's responsibility to develop and implement innovative approaches and adopt practices that foster continuous improvement in accomplishing the Laboratory mission. The Contractor will provide integrated line management of this diverse research institution, aligning multiple program scientific and technical missions with the appropriate resources and support to deliver world-class science in a cost effective manner. Integrated line management incorporates integrated safety management, cross organizational teamwork recognizing matrix management, and efficient work practices and applies them to programmatic and operational efforts. Success in partnering with industry and ultimate application of the scientific information and/or technology to solve DOE or broad public issues is essential.

C-2. Statement of Work (SOW)

(a) Research and Development

(1) In accomplishing the DOE mission, the Contractor shall maintain and advance the R&D capabilities that support all four DOE business lines: *Science and Technology, Energy Resources, Environmental Quality, and National Security*.

Science and Technology - The Contractor shall maintain and enhance critical Laboratory capabilities in materials science and engineering and in neutron science. The Contractor shall manage the High Flux Isotope Reactor (HFIR), the Radiochemical Engineering Development Center and other hot cells, and the Spallation Neutron Source project. These facilities will support user programs in neutron scattering, materials irradiation, and isotope production. Also, the Contractor shall manage Laboratory capabilities in analytical and separations chemistry, computational sciences, environmental (including field experimental facilities) and social sciences, fusion science and technology, genetics, genomics, and biotechnology. The Contractor shall direct Laboratory capabilities in nuclear physics, astrophysics with radioactive ion beams, and solid state physics.

Energy Resources - The Contractor has the responsibility to manage Laboratory capabilities in: 1) biomass renewable energy feedstock and conversion technologies; 2) energy efficient technologies for buildings, industry, transportation, and utility end-use; 3) applied materials in support of energy efficient technologies, vehicle technologies, and fossil fuel use; 4) nuclear technology and safety; and 5) assessing national energy use and projections of future energy supply and demand.

Environmental Quality - The Contractor shall maintain and improve capabilities in environmental technology development, environmental restoration and waste management support, and health and environmental risk assessment. The Contractor shall effectively and efficiently manage the minimization, characterization, and certification of Laboratory generated wastes and other materials.

National Security - The Contractor shall maintain existing materials storage and processing facilities and develop related technologies. The Contractor shall support DOE, through the National Security Program Office (NSPO) at the Y-12 plant, in the development of technologies that promote non-proliferation, international nuclear safety, and safe stockpile stewardship.

(2) The Contractor shall effectively and efficiently manage all the Laboratories' core competencies. This includes directing research in neutron-based

science and technology; computational science and advanced computing; biological and environmental sciences and technology; and advanced materials synthesis, processing, and characterization. In addition, the Laboratory has core competencies in instrumentation, controls and measurement science and technology, and in energy production and end-use technologies. The Contractor shall ensure the Laboratory conducts basic and applied research, development, and demonstration activities facilitating deployment of technologies both in U.S. and international markets through partnerships with the private sector.

The Contractor will direct these core competencies into creative research projects for DOE in partnership(s) with universities, other federal laboratories and the private sector. Opportunities to transfer technology into useful products and processes should be conducted in close cooperation with private sector sponsors. The Contractor shall make it possible for the private sector to join in development/operation activities with the Laboratory to enhance teamwork and technology transfer.

(3) The Contractor is responsible for operating 15 national user facilities supporting diverse DOE mission areas. The 15 user facilities are: the Atomic Physics EN Tandem Accelerator, the Bioprocessing Research Facility, the Buildings Technology Center, the Californium User Facility, the Computational Center for Industrial Innovation, the High Flux Isotope Reactor, the High Temperature Materials Laboratory, the Holifield Radioactive Ion Beam Facility, the Metals Processing Laboratory, the Oak Ridge Electron Linear Accelerator, the Metrology Research and Development Laboratories, the Shared Research Equipment Program, the Oak Ridge National Environmental Research Park (NERP), the Mouse Genetics Research Facility, and the Surface Modification and Characterization Research Facility. The Contractor shall also operate the American Museum of Science and Energy.

The Contractor is responsible for accommodating over 4,000 visiting scientists that are guests of the Laboratory every year, and maintaining over 500 agreements to engage the 15 user facilities. Agreements are in place with other government agencies, industries, universities, and international participants.

(4) The Contractor shall effectively, efficiently, and safely operate the HFIR (e.g., produce neutron beams for experiments for at least 90 percent of the time scheduled for experiments each year). HFIR provides state-of-the-art facilities for neutron scattering and materials irradiation and is the world's leading source of elements heavier than plutonium for research, medicine, and industrial applications. HFIR is a light-water cooled and moderated reactor with a design power level of 100 megawatts and a normal operating

power of 85 megawatts. HFIR supports production of radioactive elements that benefit approximately 800 customers in diverse areas like cancer radiation therapy, nondestructive inspection of explosives and aircraft, and as start-up sources for nuclear reactors.

(5) The Contractor shall maintain effective operations of existing and planned user facilities, other appropriate facilities, and provide effective customer service to user clients. The Contractor shall implement DOE mission objectives to ensure user facilities are user friendly, readily available, and can operate within conditions requested by user clients.

The Contractor is also responsible for new user facilities that pose a significant challenge in planning and scheduling experiments. For example, the Spallation Neutron Source (SNS) project when fully operational is estimated to have 1000-2000 user scientists per year in a wide variety of scientific investigations. A number of other facilities are proposed at the Laboratory during the term of this contract (e.g., the National Transportation Research Center).

(6) The Contractor shall manage and maintain government-owned buildings and facilities at the Laboratory site and the NERP, together with the utilities and appurtenances thereto. The Contractor is also responsible for certain buildings at the Y-12 Plant which house major facilities and equipment in support of ORNL programs. Some of the facilities at the Laboratory related to the cleanup of the site are managed by the DOE-Oak Ridge Operations (ORO) Environmental Management, Management and Integration prime contractor.

(7) The Contractor shall manage the resources and capabilities of the Laboratory and provide leadership for this scientific institution. The Contractor will effectively and efficiently direct the day-to-day management of the Laboratory and proficiently link scientific/engineering capabilities to accomplish DOE's objectives. Providing leadership in methods of integrated line management to ensure inter-laboratory team building and intra-laboratory cooperation while supplying a safe working environment is essential. The Contractor is charged with maintaining and enhancing the intellectual resource base in order to avoid erosion of the scientific and engineering foundations at the Laboratory. The Contractor is also responsible for the employment of all personnel engaged in the SOW efforts and for the readiness and training of its personnel.

(b) Protection of Workers, the Public and the Environment

Protection of workers, the public and the environment are fundamental responsibilities of the Contractor and a critically important performance expectation. The Contractor's Environment, Safety and Health (ES&H) program shall be operated as an integral, but visible, part of how the organization conducts business. A key element is continued implementation of the ORNL Integrated Safety Management System (ISMS), including prioritizing work planning and execution, establishing clear ES&H priorities, and allocating the appropriate level of trained and qualified resources to address programmatic and operational considerations. The Contractor shall ensure that cost reduction and efficiency efforts are fully compatible with ES&H performance.

The Contractor shall perform all activities in compliance with applicable health, safety, and environmental laws, orders, regulations, and national consensus standards (contained in ORNL Work Smart Standards); and governing agreements and permits executed with regulatory and oversight government organizations. The Contractor shall take necessary actions to preclude serious injuries and/or fatalities, keep worker exposures and environmental releases as low as reasonably achievable below established limits, minimize the generation of waste, and maintain or increase protection to the environment, public and worker safety and health.

Incorporating integrated line management, the Contractor shall put in place a system that clearly communicates the roles, responsibilities, and authorities of line managers. The Contractor shall hold line managers, including direct reports accountable for implementing necessary controls for safe performance of work in their respective area of responsibility. The Contractor shall establish effective management systems to identify deficiencies, resolve them in a timely manner, ensure that corrective actions are implemented, (addressing the extent of conditions, root causes, and measures to prevent recurrence) and prioritize and track commitments and actions. The Contractor shall, as appropriate, consider ES&H performance in selection of its subcontractors and incorporate ES&H requirements into subcontracts.

(c) Project Management

The Contractor shall manage facility engineering and construction efforts in a manner that allows completion of project objectives in a safe and environmentally sound manner within the planned schedule, cost, and technical baselines.

The Contractor is expected to achieve all project deliverables associated with the SNS project. The National Environmental Policy Act (NEPA) determination is expected during 1999 with the preferred site in Oak Ridge. Construction is expected to be initiated during FY 2000. Project activities will continue until the facility has successfully completed startup (including commissioning), and is ready for operation which is currently planned during 2005. Construction of the SNS within the established schedule, cost, and technical baseline is required.

The HFIR upgrade project includes the development of a cold source of neutrons, new neutron scattering instruments, new thermal guides, and replacement of the beryllium reflector. The upgrade began in FY 1996 and is to be completed by mid-FY 2002. The Contractor shall complete this project on the established schedule within budget.

(d) Mission Related Partnerships

The Contractor shall maintain and enhance existing partnerships and develop new technology partnership activities in support of the DOE mission. Mechanisms for partnerships include cooperative research and development agreements, direct assistance programs, employee loan programs, user facility agreements, memoranda of cooperation, memoranda of understanding, memoranda of agreement, license agreements, and other arrangements as approved by DOE in which research and development resources are leveraged with private sector partners. Efforts to develop broad based partnerships with academic research institutions, other agencies, other DOE laboratories, the international scientific community, and with the private sector are essential to the long term viability of the Laboratory. Accomplishments in creating these partnerships may expand beyond the more classical cooperative research and development agreements as approved by DOE. Neutron science, isotope production, functional genomics, and computational research programs provide opportunities for partnerships with the private sector, universities, and other national laboratories to advance scientific frontiers and enhance technology development. Facilities and instrumentation may be developed with applications in the pharmaceutical industry, clinical medicine, environmental remediation, and other areas.

(e) Other Activities

(1) The Contractor shall manage facilities and resources to optimize the effectiveness of operations in support of the DOE mission. The Contractor shall maintain critical skill mixes and resources at the Laboratory. The Contractor should perform make/buy analyses on work functions that may be inefficient and determine options for improvement. The Contractor shall examine Laboratory operations to consolidate work efforts, eliminate duplication of scientific effort, identify underutilized facilities, and reduce operational costs. Site planning activities shall be conducted by the Contractor proactively addressing concerns of DOE, regulatory agencies, and stakeholder groups.

(2) The Contractor shall support DOE/ORO in its responsibilities for land use planning and land management activities for the DOE Oak Ridge Reservation, which consists of 34,545 acres of federally-owned land. The Contractor's responsibilities, as directed by DOE and as identified in the DOE/ORO Reservation Management Plan and the Facility Information

Management System (FIMS) database, include land and facility planning for the Laboratory site, conducting research and operational and maintenance activities within the NERP, and integrating reservation activities among contractors and other parties to support DOE's management responsibility.

(3) In addition to the services specifically described in other provisions of this SOW, the Contractor shall perform services as DOE and the Contractor shall agree in writing that will be performed from time to time under this contract at Oak Ridge or elsewhere, as follows:

(i) Services incidental or related to the services described in other provisions of this SOW.

(ii) Services, using existing facilities and capabilities, for other federal agencies and nonfederal entities in accordance with policies and procedures established by DOE.

(iii) Services, using existing or enhanced facilities and capabilities, for the Nuclear Regulatory Commission (NRC), under agency agreements between NRC and DOE.

(iv) Services in support of ORO programs when the work involved has been determined by DOE to be within the unique capabilities of the Contractor or when the work involved has been determined by DOE to be within the special scientific and technical capabilities of the Contractor and the urgent need for the services precludes acquiring them from another source.

(4) The Contractor shall support the closeout of Contract No. DE-AC05-96OR22464 with Lockheed Martin Energy Research Corp. (LMER) by providing up to 2000 staff hours, without cost to LMER to prepare necessary reports, or respond to inquiries, claims, or other actions, with said support being scheduled on a mutually agreeable basis. This estimate shall not be exceeded without the prior consent of the Contracting Officer. The parties agree that no fee is payable in support of this closeout activity.

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PART I - THE SCHEDULE

SECTION D - PACKAGING AND MARKING

(RESERVED)

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PART I - THE SCHEDULE

SECTION E - INSPECTION AND ACCEPTANCE

E-1. 52.246-9 Inspection of Research and Development (Short Form) (Apr 1984)

The Government has the right to inspect and evaluate the work performed or being performed under the contract, and the premises where the work is being performed, at all reasonable times and in a manner that will not unduly delay the work. If the Government performs inspection or evaluation on the premises of the Contractor or a subcontractor, the Contractor shall furnish and shall require subcontractors to furnish all reasonable facilities and assistance for the safe and convenient performance of these duties.

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PART I—THE SCHEDULE

SECTION F—DELIVERIES OR PERFORMANCE

F-1. Term of Contract (Feb 2005)

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08/30/2005

The effective date of the contract is January 18, 2000. The term of the transition period is from January 18, 2000 through March 31, 2000. The contractor may begin official travel on January 15, 2000. Costs associated with any travel beginning on January 15, 2000, are allowable. The term of the base contract is from April 1, 2000 through September 12, 2005. The Government has extended the term of the contract for 165 days, as a part of the 5-year option period, from March 31, 2005 to September 12, 2005, pursuant to the clause in Section I entitled, "Option to Extend the Term of the Contract," for a period of five (5) years. The total duration of this contract, including the exercise of any option(s) under this clause shall not exceed 122 months.

F-2. Principal Place of Performance

The principal place of performance for the contract is Oak Ridge, Tennessee.

F-3. Transition Activities (Jan 2000)

A002
01/13/2000

(a) During the period of the transition, specified in the clause in Section F entitled, "Term of Contract," the Contractor shall perform those activities necessary to be prepared to assume responsibility for the contract work on April 1, 2000. The transition activities shall be conducted in accordance with the Contractor's proposal dated August 2, 1999, to manage and operate the Oak Ridge National Laboratory.
The Contractor shall coordinate its activities with DOE and the incumbent contractor so as to accomplish these activities in a manner that will provide an effective transition of personnel and work activities while minimizing the cost of this effort. The Contractor shall also establish effective communications with other DOE on-site prime contractors as necessary.
Lockheed Martin Energy Research Corporation will identify any area where resource constraints will not support transition activities to occur before February 1, 2000. The Contractor agrees to respect these constraints.

(b) The Contractor shall utilize any government furnished facilities and equipment that are available in order to minimize costs. The Contractor may, subject to agreement with the incumbent contractor, utilize incumbent contractor personnel on a loaned basis or arrange for early transition of employees to the Contractor as appropriate. In addition, the Contractor may utilize the services of subcontractors of the incumbent contractor with agreement from the incumbent contractor.

(c) Costs of transition are as follows:

Transition Management	$352,500
Science and Technology	166,000
Human Resources	81,000
Subcontracts/Permits	109,300
ESH&Q	296,100
Laboratory Operations	688,000
Relocation Expenses	672,000
Management Reserve	253,100
Total Transition Costs	$2,618,000

The Contractor shall report costs to DOE on a weekly basis in the same format that has been mutually agreed to. The total transition costs are not to exceed $2,618,000. Any variance in the subcategories described above in excess of 10% is subject to the prior approval of the DOE Contracting Officer.

(d) The Contractor shall provide one copy of all reports prepared as part of this transition, including but not limited to, readiness reports, readiness plans, status reports, assessments, etc. to the DOE Contracting Officer=s Representative for Transition.

(e) In addition to communications as described in paragraph (a) above, the Contractor shall provide to DOE on a timely basis the schedules for transition activities including facility walkdowns and assessments and program reviews.
While open and direct communication is essential between all parties, official contract direction will be from the Contracting Officer and the Contracting Officer's Representative for Transition.

(f) The Readiness Determination process will consist of the following three major elements:

(1) The Contractor will declare their readiness to assume operations.

(2) The Contractor will then conduct a review of the actions and activities that have taken place during the transition to demonstrate to DOE the adequacy and effectiveness of their preparations for assuming operations. This review is to be held prior to the end of the transition period to allow any remaining concerns to be addressed.

(3) The Contractor will prepare a ATransfer Agreement@ which is to be signed by UT-Battelle, LLC, the Department of Energy, and Lockheed Martin Energy Research Corporation prior to April 1, 2000.

F-4. 52.242-15 Stop-Work Order (Aug 1989)—Alternate I (Apr 1984)

(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 up to 30 days after the order is delivered to the Contractor, and for any further period to which the parties may agree. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately 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 up to 30 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 Contracting Officer shall either:

(1) Cancel the stop-work order; or

(2) Terminate the work covered by the order as provided in the Termination 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. The Contracting Officer shall make an equitable adjustment in the delivery schedule, the estimated cost, the fee, or a combination thereof, and in any other terms of the contract that may be affected, and the contract shall be modified, in writing, accordingly, if:

(1) 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

(2) The Contractor asserts its right to the adjustment within 30 days after the end of the period of work stoppage; provided, that, if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon a proposal submitted at any time before final payment under this contract.

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

(d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

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PART I - THE SCHEDULE

SECTION G - CONTRACT ADMINISTRATION DATA

G-1. Contracting Officer's Representative(s) (COR)

The Contracting Officer's Representative(s) will be designated by separate letter and will represent the Contracting Officer in the technical phases of the work. A copy of this designation letter shall be furnished to the Contractor. The COR is not authorized to change any of the terms and conditions of this contract. Changes in the Scope of Work will be made only by the Contracting Officer by properly written modification(s) to the contract. Additional Contracting Officer's Representative(s) for other purposes as required may be designated in writing by the Contracting Officer.

G-2. Contract Administration

The contract will be administered by:

U. S. Department of Energy
Oak Ridge Operations Office
Procurement and Contracts Division
Attention: Contracting Officer
Post Office Box 2001
Oak Ridge, Tennessee 37831

Written communication shall make reference to the contract number and shall be mailed to the Contracting Officer designated via separate correspondence to the above address.

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SECTION H

PART I—THE SCHEDULE

SECTION H—SPECIAL CONTRACT REQUIREMENTS

H-1. Technical Direction

(a) Performance of the work under this contract shall be subject to the technical direction of the DOE Contracting Officer's Representative (COR). The term "technical direction" is defined to include, without limitation:

(1) Directions to the Contractor which redirect the contract effort, shift work emphasis between work areas or tasks, require pursuit of certain lines of inquiry, fill in details or otherwise serve to accomplish the contractual Statement of Work.

(2) Provision of written information to the Contractor which assists in the interpretation of drawings, specifications, or technical portions of the work description.

(3) Review and, where required by the contract, approval of technical reports, drawings, specifications, and technical information to be delivered by the Contractor to the Government under the contract.

(4) Directions to the Contractor which suspend work when clear and present danger exists to workers or members of the public. Clear and present danger is a condition or hazard which could be expected to cause death or serious harm to workers, members of the public, or the environment, immediately or before such condition or hazard can be eliminated through normal procedures. 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.

(b) Technical direction must be within the scope of work stated in the contract. The COR does not have the authority to, and may not, issue any technical direction which:

(1) Constitutes an assignment of additional work outside the Statement of Work;

(2) Constitutes a change as defined in the contract clause entitled, "Changes;"

(3) In any manner causes an increase or decrease in the total estimated contract cost, the fee (if any), or the time required for contract performance;

(4) Changes any of the expressed terms, conditions or specifications of the contract; or

(5) Interferes with the Contractor's right to perform the terms and conditions of the contract.

(c) All technical directions shall be issued in writing by the COR.

(d) The Contractor shall proceed promptly with the performance of technical directions duly issued by the COR in the manner prescribed by this clause and within his authority under the provisions of this clause. If, in the opinion of the Contractor, any instruction or direction by the COR falls within one of the categories defined in (b)(1) through (5) above, the Contractor shall not proceed but shall notify the Contracting Officer in writing within five (5) working days after receipt of any such instruction or direction and shall request the Contracting Officer to modify the contract accordingly. Upon receiving the notification from the Contractor, the Contracting Officer shall:

(1) Advise the Contractor in writing within thirty (30) days after receipt of the Contractor's letter that the technical direction is within the scope of the contract effort and does not constitute a change under the "Changes" clause of the contract;

(2) Advise the Contractor in writing within thirty (30) days after receipt of the Contractor=s letter not to perform under the direction and cancel the direction; or

(3) Advise the Contractor in writing within a reasonable time that the Government will issue a written change order.

(e) A failure of the Contractor and Contracting Officer to agree that the technical direction is within the scope of the contract, or a failure to agree upon the contract action to be taken with respect thereto shall be subject to the provisions of the clause entitled "Disputes—Alternate I."

H-2. Modification Authority

Notwithstanding any of the other clauses of this contract, the Contracting Officer shall be the only individual authorized to:

(a) Accept nonconforming work,

(b) Waive any requirement of this contract, or

(c) Modify any term or condition of this contract.

H-3. Small Business Subcontracting Plan

The Small Business Subcontracting Plan submitted by the Contractor for this contract, and approved in writing by the Contracting Officer, is a material part of this contract and is incorporated by reference and has the same force and effect as if attached hereto.

H-4. Confidentiality of Information

(a) To the extent that the work under this contract requires that the Contractor be given access to confidential or proprietary business, technical, or financial information belonging to the Government or other companies, the Contractor shall after receipt thereof, treat such information as confidential and agrees not to appropriate such information to its own use or to disclose such information to third parties unless specifically authorized by the Contracting Officer in writing. The foregoing obligations, however, shall not apply to:

(1) Information which, at the time of receipt by the Contractor, is in the public domain;
(2) Information which is published after receipt thereof by the Contractor or otherwise becomes part of the public domain through no fault of the Contractor;
(3) Information which the Contractor can demonstrate was in its possession at the time of receipt thereof and was not acquired directly or indirectly from the Government or other companies;
(4) Information which the Contractor can demonstrate was received by it from a third party who did not require the Contractor to hold it in confidence.

(b) The Contractor shall obtain the written agreement, in a form satisfactory to the Contracting Officer, of each employee permitted access, whereby the employee agrees that he will not discuss, divulge or disclose any such information or data to any person or entity except those persons within the Contractor's organization directly concerned with the performance of the contract.

(c) The Contractor agrees, if requested by the Government, to sign an agreement identical, in all material respects, to the provisions of this clause, with each company supplying information to the Contractor under this contract, and to supply a copy of such agreement to the Contracting Officer.

(d) The Contractor agrees that upon request by DOE it will execute a DOE-approved agreement with any party whose facilities or proprietary data it is given access to or is furnished, restricting use and disclosure of the data or the information obtained from the facilities. Upon request by DOE, such an agreement shall also be signed by Contractor personnel.

(e) This clause shall flow down to all appropriate subcontracts.

H-5. Service Contract Act

The Service Contract Act of 1965 (P.L. 89-286) is not applicable to contracts for the operation of DOE facilities. It is, however, applicable to subcontracts awarded by contractors operating DOE facilities. The Contractor shall insert in all subcontracts of the character to which the Service Contract Act, as amended, applies the applicable clause specified in FAR 22.1005 or FAR 22.1006, with such modifications as appropriate to reflect the contractor/subcontractor relationship.

H-6. Corporate Home Office Expenses

No corporate home office expense of the Contractor shall be allowable under this contract without the prior approval of the Contracting Officer.

H-7. Costs Associated With Whistleblower Actions

(a) Litigation costs include legal services, whether performed by in house or outside counsel; administrative, technical and clerical services; costs of services of consultants and experts retained by the Contractor to assist it in the investigation and/or defense action pursuant to 10 CFR Part 708, but exclude the costs of settlements and judgments.

(b) Subsequent to an adverse determination, all litigation costs incurred in the investigation and/or defense of an employee action under this clause shall be differentiated and accounted for by the Contractor so as to be separately identifiable. Subsequent to an adverse determination, such costs, as well as costs associated with any interim relief which may be granted, may not be paid from the advance funding provided pursuant to this Contract, whether that funding be in the form of a special bank account or a payments cleared financing arrangement. Notwithstanding the foregoing, the Contracting Officer may, in appropriate circumstances, provide for conditional payment upon provision of adequate security, or other adequate assurance, and agreements by the Contractor to repay all litigation costs incurred subsequent to an adverse determination, as well as any interim relief cost, plus interest, unless there is a final determination that the Contractor is not liable for any retaliatory acts. The allowance of such costs, notwithstanding any other provision of the Contract, will be determined in accordance with this clause.

(c) Litigation costs and settlement costs incurred in connection with the defense of, or a settlement of, an employee action are allowable if incurred by the Contractor before any adverse determination of the employee's claim, if approved as just and reasonable by the Contracting Officer and otherwise allowable under the Contract. Costs incurred in pursuit of mediation or other form of alternative dispute resolution are allowable if incurred by the Contractor before any adverse determination of the employee's claim, if approved as just and reasonable by the Contracting Officer and otherwise allowable under the Contract. Additionally, the

Contracting Officer may, in appropriate circumstances, reimburse the Contractor for litigation costs and costs of judgments and/or settlements which in the aggregate, do not exceed up to the amount of the prior settlement offer approved by the Contracting Officer and rejected by the employee.

(d) Except as provided in (c) above and (e) and (f) below, any other costs associated with an employee action, including litigation costs connected with a judgment resulting from or settlement subsequent to, an employee action, are not allowable unless the Contractor receives a judgment or final determination favorable to the Contractor. In such event, reasonable litigation costs incurred by the Contractor are allowable and the Contractor may submit a request for reimbursement for all such costs incurred subsequent to the adverse determination.

(e) Costs incurred by the Contractor as a result of an employee action for retaliatory acts that resulted from compliance with either:

(1) Specific terms and conditions of the Contract, or

(2) Written instructions from the Contracting Officer shall be allowable.

(f) Reasonable litigation costs and settlement costs incurred by, and judgments entered by, the Office of Hearings and Appeals against the Contractor as a result of an employee action for retaliation under 10 CFR Part 708 are allowable.

(g) The provisions of this clause shall not apply to the defense of suits by employees or ex-employees of the Contractor under Section 2 of the Major Fraud Act of 1988.

H-8. Age Discrimination in Employment

The Contractor shall not discriminate against any employee, applicant for employment, or former employee on the basis of age. The Contractor shall comply with the Age Discrimination in Employment Act, with any state or local legislation regarding discrimination based on age, and with all applicable regulations there under.

H-9. Separate Corporate Entity

The work performed under this contract by the Contractor shall be conducted by a separate corporate entity from its parent company(s). The separate corporate entity must be set up solely to perform this contract and shall be totally responsible for all contract activities.

H-10. Performance Guarantee

The Contractor is required by other provisions of this contract to organize a dedicated corporate entity to carry out the work under the contract. The Contractor=s parent

organization(s) or all member organizations if the Contractor is a joint venture, limited liability company, or other similar entity, shall guarantee performance as evidenced by the Performance Guarantee Agreement incorporated in the contract in Section J, Appendix C. If the Contractor is a joint venture, limited liability company, or other similar entity where more than one organization is involved, the parent or all member organizations shall assume joint and several liability for the performance of the Contractor. In the event any of the signatories to the Performance Guarantee Agreement enters into proceedings related to bankruptcy, whether voluntary or involuntary, the Contractor agrees to furnish written notification of the bankruptcy to the Contracting Officer.

H-11. Responsible Corporate Official

Notwithstanding the provisions of the clause in Section H entitled, "Performance Guarantee," the Government may contact, as necessary, the single responsible corporate official identified below, who is at a level above the Contractor and who is accountable for the performance of the Contractor, regarding Contractor performance issues. Should the responsible corporate official change during the period of the contract, the Contractor shall promptly notify the Government of the change in the individual to contact.

M055
05/29/2002

Name:	Dr. Carl F. Khort
Position:	President and Chief Executive Officer
Organization:	Battelle Memorial Institute
Address:	505 King Avenue Columbus, Ohio 43201-2693

H-12. Permits, Applications, Licenses, and Other Regulatory Documents

(a) Consistent with the clause in Section I entitled, "Permits or Licenses" (DEAR 970.5204-29), the Contractor must obtain any licenses, permits, other approvals or authorizations for conducting pertinent activities at ORNL. The Contractor is responsible for complying with all permits, licenses, certifications, authorizations and approvals from federal, state, and local regulatory agencies that are necessary for operations under this contract (hereinafter referred to collectively as 'permits'). Except as specifically provided in the section and to the extent not prohibited by law or cognizant regulatory authority, the Contractor (or, if applicable, its subcontractors) will be the sole applicant for any such permits required for its activities. The Contractor must take all appropriate actions to obtain transfer of existing permits, and DOE will use all reasonable means to facilitate transfer of existing permits. If DOE determines it is appropriate or if DOE is required by cognizant regulatory authority to sign permit applications, DOE may elect to sign as owner or similar designation, but the Contractor (or, if applicable, its subcontractors) must also sign as operator or similar designation reflecting its responsibility under the permit unless DOE waives this requirement in writing.

(b) The Contractor must submit to DOE for DOE=s review and comment all permit applications, reports or other documents required to be submitted to cognizant regulatory authorities. Such draft documents must be provided to DOE within a time frame, identified by DOE, sufficient to allow DOE substantive review and comment; and DOE will perform such substantive review and comment within such time frame. When providing DOE with documents that are to be signed or co-signed by DOE, the Contractor will accompany such document with a certification statement, signed by the appropriate Contractor corporate officer, attesting to DOE that the document has been prepared in accordance with all applicable requirements and the information is, to the best of its knowledge and belief, true, accurate, and complete.

(c) Except as specifically provided in this clause and to the extent not prohibited by law or cognizant regulator authority, the Contractor (or, if applicable, its subcontractors) will be the signatory for reports, hazardous waste manifests, and other similar documents required under environmental permits or applicable environmental laws and regulations.

(d) DOE agrees that if bonds, insurance, or administrative fees are required as a condition for such permits, such costs shall be allowable. In the event that such costs are determined by DOE to be excessive or unreasonable, DOE shall provide the regulatory agency with an acceptable form of financial responsibility. Under no circumstances shall the Contractor or its parent be required to provide any corporate resources or corporate guarantees to satisfy such regulatory requirements.

(e) In the event of termination or expiration of this contract, DOE will require the new Contractor to accept transfer of all environmental permits executed by the Contractor, or DOE will accept responsibility for such permits and the Contractor shall be relieved of all future liability and responsibility resulting from the acts or omissions of the successor contractor or DOE.

H-13. Contractor Acceptance of Notices of Violation or Alleged Violations, Fines, and Penalties

(a) The Contractor shall accept, in its own name, services of notices of violations or alleged violations (NOVs/NOAVs) issued by Federal or state regulators to the Contractor resulting from the Contractor's performance of work under this contract, without regard to liability. The allowability of the costs associated with fines and penalties shall be subject to the other provisions of this Contract.

(b) With advance notice given to DOE, the Contractor shall conduct negotiations with regulators regarding NOVs/NOAVs and fines and penalties issued in its own name; however, the Contractor shall not make any commitments or offers to regulators that would bind the Government, including monetary obligations, without receiving written concurrence from the Contracting Officer or his/her

authorized representative prior to making any such offers/commitments. Failure to obtain such advance written approval may result in otherwise allowable costs being declared unallowable and/or the Contractor being liable for any excess costs to the Government associated with or resulting from such offers/commitments.

(c) The Contractor shall notify DOE promptly when it receives service from the regulators of NOVs/NOAVs and fines and penalties.

H-14. Allocation of Responsibilities for Contractor Environmental Compliance Activities

(a) This clause allocates the responsibilities of DOE and the Contractor, referred to collectively as >the parties= for implementing the environmental requirements at facilities within the scope of the contract. In this clause, the term >environmental requirements= means requirements imposed by applicable Federal, state and local environmental laws and regulations, including, without limitation, statutes, ordinances, regulations, court orders, consent decrees, administrative orders or compliance agreements, consent orders, permits, and licenses.

(b) Liability and responsibility for civil fines or penalties arising from or related to violations of environmental requirements shall be borne by the party that caused the violation irrespective of the fact that the cognizant regulatory authority may assess any such fine or penalty upon either party or both parties without regard to the allocation of responsibility or liability under this contract. This contractual allocation of liability for any such fine or penalty is effective regardless of which party signs permit applications, manifests, reports or other required documents, is a permittee, or is the named subject of an enforcement action or assessment of a fine or penalty.

(c) Regardless of which party to this contract is the named subject of an enforcement action for noncompliance with environmental requirements by the cognizant regulatory authority, liability for payment of any fine or penalty will be governed by provisions of this contract related to allowable costs. If the named subject of an enforcement action or assessment of a fine or penalty is DOE and the fine or penalty would not otherwise be reimbursable under the allowable cost and preexisting conditions provisions of this contract if the Contractor was the named subject of the enforcement action, the Contractor will either pay the fine or penalty or reimburse the DOE (if DOE pays the fine or penalty). The governing provisions of the contract include, without limitation, paragraph (e)(12) of the clauses in Section I entitled, “Allowable Costs and Fee (Management and Operating Contracts)” and “Pre-Existing Conditions.”

H-15. Representations, Certifications and Other Statements of the Offeror

The Representations, Certifications, and Other Statements of the Offeror, dated August 2, 1999, for this contract are hereby incorporated, by reference, and made a part of this contract.

H-16. Withdrawal of Work

(a) The Contracting Officer reserves the right to have any of the work contemplated by Section C, Descriptions/Specifications/Work Statement, of this contract performed by either another contractor or to have the work performed by Government employees.

(b) Work may be withdrawn: (1) in order for the Government to conduct pilot programs; (2) if the Contractor=s estimated cost of the work is considered unreasonable; (3) for less than satisfactory performance by the Contractor; or, (4) for any other reason deemed by the Contracting Officer to be in the best interests of the Government.

(c) If any work is withdrawn by the Contracting Officer, the Contractor agrees to fully cooperate with the new performing entity and to provide whatever support is required.

H-17. Financial Management System

The Contractor shall maintain and administer a financial management system that includes the currently existing integrated accounting system and: (1) is suitable to provide proper accounting in accordance with DOE requirements for assets, liabilities, collections accruing to the Contractor in connection with the work under this contract, expenditures, costs, and encumbrances; (2) permits the preparation of accounts and accurate, reliable financial and statistical reports; and (3) assures that accountability for the assets can be maintained. The Contractor shall submit to DOE for written approval an annual plan for new financial management systems and/or subsystems and major enhancements and/or upgrades to the currently existing financial systems and/or subsystems. The Contractor shall notify DOE thirty (30) days in advance of any planned implementation of any substantial deviation from this plan and, as requested by the Contracting Officer, shall submit any such deviation to DOE for written approval before implementation.

H-18. Integrated Accounting

Integrated accounting procedures are required for use under this contract. The Contractor=s financial management system shall include an integrated accounting system that is linked to DOE=s accounts through the use of reciprocal accounts and that has electronic capability to transmit monthly and year-end self-balancing trial balances to the Department=s primary accounting system for reporting financial activity under this contract in accordance with requirements imposed by the Contracting Officer pursuant to the clause in Section I entitled, “Laws, Regulations, and DOE Directives” or as otherwise directed by the Contracting Officer. The Contractor=s financial management system shall include an integrated accounting system for product cost accounting, particularly for isotopes.

H-19. Personal Property Acceptance

On April 1, 2000, the Contractor shall accept, as is, where-is, accountability for all Government-owned property and all special nuclear materials assigned to this contract. The Contractor shall maintain and administer the existing automated personal property system. Any deviation from this requirement is subject to the prior written approval of the Contracting Officer.

H-20. Privacy Act Systems of Record

(a) The Contractor shall design, develop, or operate the following systems of records on individuals to accomplish an agency function to which the requirements of the Privacy Act, 5 U.S.C. 552(a) and implementing DOE Regulations (10 CFR 1008), are deemed applicable:

DOE System No.	Title
5	Personnel Records of Former Contractor Employees
11	Emergency Locator Records
14	Report of Compensation
15	Payroll and Pay—Related Data for Employees of Terminated Contractors
25	Employee Parking Records
26	Official Travel Records
27	Foreign Travel Records
28	General Training Records
29	Technology Training Program—Skill Training at Technician Level
31	Firearms Qualification Records
33	Personnel Medical Records
35	Personnel Radiation Exposure Records
38	Occupational and Industrial Accident Records
40	Contractor Employees Insurance Claims
43	Personnel Security Clearance Files
48	Security Education and/or Infraction Reports
51	Employee and Visitor Access Control Records
54	Investigative Files of Inspector General
55	Freedom of Information and Privacy Act Requests Records
56	Congressional Constituent Inquiries
58	General Correspondence Files
59	Mailing Lists for Requesters of Energy-Related Information
71	The Radiation Accident Registry
72	The Department of Energy Radiation Study Registry
73	The US-DPTA Registry
88	Epidemiologic and Other Health Studies, Surveys and Surveillances

The Contractor shall perform this requirement in accordance with the clause of this contract entitled, "Privacy Act." It is understood that compliance with the Privacy Act will require certain changes to the Contractor's current record keeping procedures. DOE and the Contractor agree that an employee whose employer changes from Lockheed Martin Energy Research Corporation to the Contractor, or vice-versa, shall not be considered a "Former Contractor Employee" under DOE System 5 above.

(b) If DOE requires the Contractor to design, develop, or maintain additional systems of Government-owned records on individuals to accomplish an agency function, the Contracting Officer, or designee, shall so notify the Contractor in writing and such Privacy Act system shall be deemed added to the above list whether incorporated by formal contract modification or not. The parties shall mutually agree to a schedule for implementation of the Privacy Act with respect to each such system.

H-21. Liability with Respect to Cost Accounting Standards

(a) The Contractor is not liable to the Government for increased costs or interest resulting from its failure to comply with the clauses in Section I entitled, "Cost Accounting Standards," and "Administration of Cost Accounting Standards," if its failure to comply with the clauses is caused by the Contractor's compliance with published DOE financial management policies and procedures or other requirements established by the Department's Chief Financial Officer or Procurement Executive.

(b) The Contractor is not liable to the Government for increased costs or interest resulting from its subcontractors' failure to comply with the clauses in Section I entitled, "Cost Accounting Standards" and "Administration of Cost Accounting Standards," if: (1) the Contractor includes in each covered subcontract a clause making the subcontractor liable to the Government for increased costs or interest resulting from the subcontractor's failure to comply with the clauses; and (2) the Contractor seeks the subcontract price adjustment and cooperates with the Government in the Government's attempts to recover from the subcontractor.

H-22. Determination of Appropriate Labor Standards

DOE shall determine the appropriate labor standards, in accordance with the Service Contract Act, the Davis-Bacon Act, or other applicable labor laws which shall apply to work performed under this contract. The Contractor shall provide such information in the form and time frame required by DOE, as may be necessary for DOE to make such labor standards determinations. The Contractor will then be responsible for ensuring that the appropriate labor standards provisions are included in subcontracts, and for obtaining and applying the appropriate wage determinations.

H-23. Application of Labor Policies and Practices

The Contractor agrees to conduct its labor relations program in accordance with DOE=s intent that labor policies and practices reflect the best experience of American industry in aiming to achieve the type of stable labor-management relations essential to the successful accomplishment of DOE=s programs at reasonable cost. Collective bargaining will be left to the orderly processes of negotiation and agreement between Contractor management and certified employee representatives with maximum possible freedom from Government involvement. For working on DOE facilities and programs critical to the National interest, Contractor management=s responsibility includes the duty to adopt practices which are fundamental to the friendly adjustment of disputes, and which experience has shown promote orderly collective bargaining relationships.

H-24. Price Anderson Amendments Act Noncompliance

The Contractor shall establish an internal Price Anderson Amendments Act noncompliance identification, tracking, and corrective action system and shall provide access to and fully support DOE reviews of the system. The Contractor shall also implement a Price Anderson Amendments Act reporting process which meets applicable DOE standards. The Contractor shall be accountable for ensuring that subcontractors adhere to these requirements.

H-25. Nuclear Facility Safety

(a) The activities under this contract include the operation of nuclear facilities. The Contractor recognizes that such operation involves the risk of a nuclear incident which, while the chances are remote, could adversely affect the public health and safety as well as the environment. Therefore, the Contractor shall exercise a degree of care commensurate with the risk involved.

(b) The Contractor shall comply with all applicable regulations of DOE concerning nuclear safety and with those requirements (including reporting requirements and instructions) of DOE concerning nuclear safety of which it is notified in writing by the Contracting Officer.

(c) Prior to the initial startup of any nuclear facility under this contract and prior to any subsequent startup following a change which represents a significant deviation from the procedures, equipment, or analyses described in the safety analysis reports or other hazards summary reports for that facility, the Contractor shall:

(1) Prepare a safety authorization basis document, such as a safety analysis report, designed to assure the safe operations and maintenance of the facility in accordance with applicable DOE regulations and directives. For nuclear reactors and other Category 1, 2, or 3 nuclear facilities, technical safety requirements shall also be provided.

(2) Establish nuclear safety control procedures to be used within the Contractor's organization to assure competent independent review and internal approval of the safety analysis report and the detailed plans and procedures specified in (1) above.

(3) Submit safety authorization basis documents, technical safety requirements and/or operational safety requirements to the DOE for review and approval.

(4) Submit to the Contracting Officer for approval such procedures relating to nuclear safety as the Contracting Officer may designate.

(5) Carry out a program of initial training and periodic requalification designed to assure that all personnel who will be engaged in nuclear operations or maintenance understand the approved plans and procedures for nuclear safety and are qualified to perform their assigned functions.

(6) Perform operational readiness review or readiness assessments as required.

(7) Obtain the approval of the Contracting Officer prior to start-up of the facility.

(d) In the operation and maintenance of any nuclear facility under this contract, the Contractor shall:

(1) Use all reasonable efforts to assure that all operational and maintenance activities are performed by qualified and adequately trained personnel, and except as otherwise agreed in writing, are conducted under the supervision of personnel who are qualified and authorized to evaluate any emergency condition and take prompt effective action with respect thereto.

(2) Operate the facility within the technical safety requirements or operational safety requirements which are approved by the Contracting Officer.

(3) Follow strictly the procedures relating to nuclear safety approved by the Contracting Officer in (c)(3) above, and submit to the Contracting Officer for his approval any proposed changes in such procedures.

(4) Establish an auditable, well-defined, internal safety review and inspection system approved by the Contracting Officer (including review and inspection reports by competent technical personnel) that will: (i) Provide frequent and periodic checks of facility performance and of the qualifications and training of operating and maintenance personnel, and (ii) provide for investigation of any unusual or unpredicted conditions that might affect safe operation.

(5) Establish an unreviewed safety question determination process in accordance with applicable DOE regulations and directives.

(6) Report promptly to the Contracting Officer any change in the physical condition of the facility or its operating characteristics that might, in the judgment of the Contractor, affect the safe operation of the facility or result in an unreviewed safety question.

(7) Terminate operations at the facility immediately whenever so instructed by the Contracting Officer, or whenever, in the judgment of the Contractor, the risk of a nuclear incident endangering persons or property warrants such action.

(8) Prepare, in cooperation with other services and facilities available, a plan for minimizing the effects of a nuclear incident upon the health and safety of all persons at the various work sites; participate as directed in the integration of the Contractor's, subcontractor's and DOE emergency plans with the responsible state and local government's emergency plans for protection of the public off-site; instruct personnel and subcontractors as to their participation in such plans and any personal risk to such personnel that may be involved; and participate, and assure subcontractor participation, in such practice exercises as may be desirable to assure the effectiveness of such planning. The Contractor shall submit its plan as part of the documentation for the Integrated Safety Management System (System) required by the Section I clause entitled, "Integration of Environment, Safety and Health into Work Planning and Execution."

(9) At an appropriate time as determined by the Contracting Officer, prepare and submit to the Contracting Officer for his approval, shutdown, decommissioning, decontamination and property management plans leading to orderly and safe program disposition of the nuclear facility and any associated nuclear wastes or other hazardous material. The Contractor shall submit these plans as part of the documentation for the Integrated Safety Management System (System) required by the clause in Section I entitled, "Integration of Environment, Safety and Health into Work Planning and Execution."

(10) In the event that the Contractor fails to comply with said standards and requirements of DOE, the Contracting Officer may, without prejudice to any other legal or contractual rights of DOE, issue an order stopping all or any part of the work; thereafter a start order for resumption of the 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.

H-26. Defense Nuclear Facility Safety Board

The Contractor shall conduct activities in accordance with those DOE commitments to the Defense Nuclear Facilities Safety Board (DNFSB) which are contained in implementation plans and other DOE correspondence to the DNFSB. The Contractor shall support preparation of DOE responses to DNFSB issues and recommendations which affect or can affect contract work. Based on Contracting Officer's Representative direction, the Contractor shall fully cooperate with the DNFSB and provide access to such work areas, personnel, and information as necessary. The Contractor shall maintain a document process consistent with the DOE manual on interface with the DNFSB. The Contractor shall be accountable for ensuring that subcontractors adhere to these requirements.

H-27. Environmental Justice

The Contractor shall embrace the principles of Environmental Justice by complying with all applicable environmental regulations and by focusing on nondiscrimination in its programs that affect human health and the environment. The Contractor shall comply with Executive Order 12898 on Environmental Justice and ORO's Environmental Justice Strategic Plan.

H-28 Patent Indemnity—Subcontracts

Except as otherwise authorized by the Contracting Officer, the Contractor shall follow the procedures as prescribed in 48 CFR Sections 27.203-1, 27.203-2, 27.203-4, and 27.203-5 in obtaining indemnification of the Government and its officers, agents, and employees against liability for infringement of U. S. Letters patents from Contractor=s subcontractors for any contract work subcontracted.

H-29. Assignment of Existing Agreements and Subcontracts

(a) Existing agreements and subcontracts entered into by the incumbent Contractor shall be assigned to the successor Contractor upon the effective date of assumption of full responsibility under this contract. The agreements and subcontracts shall include but not be limited to all subcontracts and purchase orders; Cooperative Research and Development Agreements (CRADA); licenses; agreements with domestic and foreign research organizations; agreements with universities and colleges; agreements with local and state governments; partnership agreements; user agreements; special financial institution account agreement; and other similar agreements.

(b) The terms and conditions of these agreements and subcontracts, as they exist when assigned, shall remain in full force and effect unless modified by the Contractor and the agreement participant(s) or the Contractor and the subcontractor.

H-30. Work for Others Funding Authorization

Any uncollectible receivables resulting from the Contractor utilizing Contractor corporate funding for reimbursable work shall be the responsibility of the Contractor, and the United States Government shall have no liability to the Contractor therefore. The Contractor is permitted to provide advance payment utilizing Contractor corporate funds for reimbursable work to be performed by the Contractor for a non-Federal entity in instances where advance payment from that entity is required under the clause in Section I entitled, "Laws, Regulations, and DOE Directives," and such advance cannot be obtained. The Contractor is also permitted to provide advance payment utilizing Contractor corporate funds to continue reimbursable work to be performed by the Contractor for a Federal entity when the term or the funds on a Federal interagency agreement required under the clause in Section I entitled, "Laws, Regulations, and DOE Directives," have elapsed. The Contractor=s utilization of Contractor corporate funds does not relieve the Contractor of its responsibility to comply with all requirements for Work for Others applicable to this contract.

H-31. Community Commitment

It is the practice of the Department of Energy (DOE) to be a constructive partner in the geographic regions where it conducts business. The basic elements include: (1) recognizing the diverse interests of the region and its stakeholders; (2) engaging regional stakeholders in issues and concerns of mutual interest; and (3) recognizing that involvement in the community is a worthwhile business practice. Accordingly, the Contractor agrees that its business operations and performance under the contract will be consistent with the spirit and intent of the elements set forth above.

H-32. Corporate Citizenship

(a) The Contractor=s commitment to contributions to the community with respect to it and its employees involvement and financial investment in local area educational, cultural, civic, health and welfare organizations, etc., are specified below. Such contributions shall be made after the date of a contract award through the term of the contract (not including the option period).

The Contractor's Corporate Citizenship Offer, dated August 2, 1999, is incorporated in the contract as Section J, Appendix G, Corporate Citizenship.

(b) The Contractor will provide to the Contracting Officer an annual report of accomplishments against the commitments specified in (a) above at the end of each fiscal year. The Contractor agrees that such reports may be made available to the public. The Contractor shall make available to DOE data that will validate the accomplishment of these commitments.

(c) The cost associated with the Contractor's efforts in achieving its corporate citizenship commitment under this clause is not an allowable cost under this contract.

H-33. Employee Transition

(a) The Contractor shall adhere to the following requirements in its human resources related actions and fully cooperate with other contractors, as necessary, in order to meet the following objectives: develop and implement an orderly employee transition; be fair to incumbent employees while maintaining a productive work force; and minimize the cost of transition and impacts to other DOE programs.

(b) Transition of Employees

(1) For purposes of the employee transition provisions in this clause, the term "incumbent contractor" means Lockheed Martin Energy Research Corporation (LMER), performing ORNL work under the management and operating Contract No. DE-AC05-96OR22464. These provisions apply to individuals employed by the incumbent contractor on March 31, 2000, except for the Key Personnel identified in Section J, Appendix J, Key Personnel, to the incumbent contractor=s contract. These provisions do not apply to subcontractors.

(2) At the time the Contractor becomes responsible for the work on April 1, 2000, all LMER employees, except for the key personnel of the incumbent contractor identified in (b) (1) above, will become employees of the Contractor.

(3) It is the Contractor=s prerogative to establish its own management structure and team, with due consideration given to minimizing the layering of management and relocation of managers to this contract from its other operations. There is neither a requirement nor prohibition to hire the Key Personnel from the incumbent contractor. Any "sign-on" bonuses paid to incumbent contractor employees by the offerors, as an employment inducement, will not be reimbursed as an allowable cost under this contract.

(c) Pay and Benefits. In order to minimize unnecessary disruption to the existing work force and minimize severance costs, incumbent contractor employees who transition to the Contractor will retain substantially equivalent base pay and employee benefits, to include company service credit and continued participation in the current Defined Benefit Pension Plan and companion retiree medical benefit.

(d) Pension Plan. The Contractor will either make arrangements to participate in the Lockheed Martin Energy Systems (LMES) successor Defined Benefit Pension

Plan or establish a separate “mirror” plan to the LMES successor plan. The pension plan and all amendments proposed by the Contractor shall be subject to DOE approval. No credit shall be provided under such a plan for service while performing non-DOE work.

(e) Severance Pay. No severance pay is warranted on the date incumbent employees transition to the Contractor since the transition occurs under substantially equivalent employment conditions. These employees will retain their severance pay benefit earned with the incumbent contractor and its predecessor contractors, plus any severance pay based on service with the Contractor, and will be paid applicable severance if an individual is ever subsequently involuntarily terminated (except for cause) by the Contractor. Prorated repayment of severance pay will be required should an individual be subsequently employed under substantially equivalent pay and benefits, based upon the length of time between separation and new hire date. Severance pay benefits are not an allowable cost at the end of the term of the contract if employees are employed by or receive an offer of employment with a replacement contractor where substantially equivalent base pay and benefits and credit for prior length of service are maintained.

(f) Labor Relations.

(1) The Contractor will maintain positive labor-management relations on all sites where it performs work. The Contractor will respect the right of employees to self-organization, to form, join, or assist labor organizations, to bargain collectively through representatives of their own choosing, and to engage in other concerted activities for the purpose of collective bargaining or other mutual aid or protection, and also to have the right to refrain from any or all of such activities.

(2) The Contractor will be responsible at the time of transition for performing substantially similar operations at ORNL as the incumbent contractor. The Contractor will, as a result of the employee transition process set out in (b) above, employ all of the incumbent contractor=s employees as defined in (b) above. Therefore, the Contractor shall initially consult with the Atomic Trades Labor Council (ATLC) regarding the initial terms and conditions of employment of those employees who had been represented by ATLC and shall be obligated to recognize and bargain with the ATLC as the collective bargaining representative for the non-construction work currently performed by the predecessor=s bargaining unit employees as a successor employer, consistent with the National Labor Relations Act.

(3) The Contractor will give due consideration to the existing Construction Labor Agreement between LMES=s Construction Manager subcontractor, MK-Ferguson of Oak Ridge Company (MK-F), and the Knoxville Building Trades Council (KBTC) for what has historically been

construction work performed by employees represented by the Building Trades on the Oak Ridge Reservation.

(g) Employee Relations. The Contractor is expected to maintain a positive employee relations environment that will foster high productivity at reasonable cost. The Contractor shall implement an effective employee concerns resolution program.

H-34. Control of Nuclear Materials

(a) As used in this clause, "nuclear materials" means source material, special nuclear material, and other materials to which DOE Directives regarding the control of nuclear materials apply.

(b) The Contractor shall, in a manner satisfactory to the Contracting Officer, establish and maintain a materials management program, establish and maintain appropriate nuclear material transfer procedures and control measures, establish accounting and measurement procedures, maintain current records, and institute appropriate control measures for nuclear materials in its possession commensurate with the national security and applicable DOE Directives. Except as otherwise authorized by the Contracting Officer, nuclear materials in the Contractor=s possession, custody, or control shall be used only for the furtherance of the work under this contract.

(c) The Contractor shall include in every subcontract involving the use of nuclear materials, for which the Contractor has accountability, appropriate terms and conditions for the use of nuclear materials and the responsibilities of the subcontractor regarding control of nuclear materials.

H-35. Unclassified Controlled Nuclear Information/Export Controlled Information

Documents, information, and/or equipment originated by the Contractor or furnished by the Government to the Contractor in connection with this contract may contain Unclassified Controlled Nuclear Information and/or Export Controlled Information as determined pursuant to Section l48 of the Atomic Energy Act of 1954, as amended, DOE Directives, and U.S. laws and regulations. The Contractor shall be responsible for protecting such documents, information, and/or equipment from unauthorized dissemination in accordance with DOE regulations, requirements and instructions.

H-36. Oak Ridge Operations Services

Oak Ridge Operations is responsible for multiple, broad-based programs which are managed by multiple prime contractors. In order to provide a net benefit to the government, the Contractor may elect to provide services to and/or obtain services from other DOE prime contractors in the performance of their respective responsibilities. The government may also direct the Contractor to obtain or provide services to or from other DOE prime contractors when it is in the best interest of the government, including the

accomplishment of DOE responsibilities in which the capabilities of more than one contractor are required. When services are obtained under this provision, the Contractor shall maintain accountability and control of the work and shall execute agreements for the conduct of work with other prime contractors, as appropriate.

H-37. DOE/Contractor Coordinating Council

As part of its responsibility as an Oak Ridge Operations (ORO) prime contractor, the Contractor shall participate in the DOE/Contractor Coordinating Council established by ORO. This Council provides a forum for coordination and cooperation among contractors in accomplishing strategic management objectives essential for ORO=s management of multi-program/multi-site operations.

H-38. ORNL Advisory Board

In collaboration with DOE, the Contractor shall establish and maintain a high-level, broadly based Advisory Board to ensure that it receives independent scientific, technical, and management guidance and overview on the performance of ORNL. The Contractor shall consult with DOE on the development or modification of a charter for the Board and report to the COR results from Advisory Board meetings. The Board shall include nationally prominent representatives from the academic community and from industry chosen for their diverse scientific and management skills and broad perspectives. Consistent with the provisions of the contract, the Board shall be responsible to the Contractor and shall provide overview and guidance concerning the performance of ORNL relating to organization, planning, and program evaluation. In addition, the Board shall review and provide guidance to cooperative programs with universities, industry and other agencies, R&D emphasis and priority, and other appropriate issues to help ensure that ORNL continues to be a leading national R&D center of the highest quality.

H-39. Work Authorization System

(a) The Contractor and DOE shall mutually establish an annual Cost Estimate consistent with the Statement of Work and the work breakdown structure specified by the Contracting Officer. The Annual Cost Estimate will be developed, in conjunction with customers, prior to the start of the fiscal year or as early in the fiscal year as possible. In addition, the annual Cost Estimate will be updated at least twice a year, prior to May 15th and prior to August 15th of each year. The updated estimate will reflect actual work authorized in addition to planning for the balance of the year. The Annual Cost Estimate will be incorporated into Section J, Appendix D, of the contract.

(b) DOE approval of the program proposals and budget estimates will be reflected in work authorizations and financial plans developed, issued, and revised in accordance with DOE requirements.

(c) Order of precedence. This clause is of lesser order of precedence than the contract clauses in Section I entitled, "Allowable Costs and Fee," "Obligation of Funds," and "Payments and Advances."

(d) Notwithstanding the other provisions of this clause, the Contractor has, in the event of an emergency, authority to take corrective actions necessary to operate in a manner consistent with applicable environmental, safety, health, and security statutes, regulations, and procedures. In the event that the Contractor takes such action, the Contractor shall notify the Contracting Officer within 24 hours after such action was initiated, and, within 30 days after such action has been initiated, submit a proposal for adjustment in the estimated costs and schedule of performance of work established in accordance with paragraphs (a) and (b) of the this clause.

H-40. Performance Expectations

Performance expectations encompassing Section C.2, Statement of Work (SOW), are categorized in the following six areas:

(a) *Science and Technology*—Science and technology expectations placed on the Contractor emphasize quality of research conducted and accomplishments in developing leading edge enabling technologies to support the DOE mission;

(b) *Leadership*—The Contractor is expected to provide leadership that ensures excellence, relevance, and stewardship in all Laboratory operations;

(c) *Environment, Safety, and Health (ES&H)*—The Contractor will integrate ES&H into research, operations, and management practices ensuring protection of the environment and protection of the workforce and public;

(d) *Infrastructure*—The Contractor will maintain the infrastructure required to support operations of aging facilities in a safe, reliable, environmentally responsible, and cost effective manner;

(e) *Business Operations*—The Contractor will use efficient and effective corporate management systems and approaches to guide decision making, streamline and improve operations, align resources and reduce costs, and improve the delivery of products and services; and

(f) *Stakeholder Relations*—The Contractor will work with customers, stakeholders, and neighbors in an open, frank, and constructive manner.

Performance objectives will be used as a means for evaluating and improving Contractor performance. Prior to the beginning of each fiscal year (or prior to April 1, 2000 for the first six months) under this contract, performance objectives to be applied to each expectation and the method in which the performance objectives will be evaluated will be

established in accordance with the clause in Section I entitled, "Total Available Fee: Base Fee Amount and Performance Fee." Examples of objectives include achieving maximum benefits from re-engineering efforts (e.g., success in cost effective management through streamlining efforts and subcontracting functions that are service oriented) and optimizing application of DOE developed and licensed technologies. A number of elements will be evaluated in assessing the performance of the Contractor. A Performance Evaluation Plan shall be developed which will include the details related to the definition and evaluation of performance objectives.

H-41. Lobbying Restrictions (Energy & Water Development Appropriations Act, 2000)

M054
05/02/2002

The Contractor or awardee agrees that none of the funds obligated on this award shall be expended, directly or indirectly, to influence Congressional action on any legislative or appropriation matters pending before Congress, other than to communicate to Members of Congress as described in 18 U.S.C. 1913. This restriction is in addition to those prescribed elsewhere in statute and regulation.

H-42. Management System

The contractor shall maintain and administer a management system which includes the existing integrated system (Systems Applications and Products in Data Processing [SAP]). Any deviation from this requirement is subject to the prior written approval of the Contracting Officer.

H-43. Limitation on Liability

If the Contractor is a non-profit organization, the following provision shall apply:

(a) The Contractor=s liability for certain obligations, which it has assumed under this contract, shall be limited as set forth in paragraph (b) below. These limitations shall apply only to obligations the Contractor has assumed pursuant to the following provisions:

(1) Section I, Clause 970.5204-31, entitled, "Insurance-Litigation and Claims (Jun 1997)," paragraphs (h)(3) and (j)(2), except for punitive damages resulting from the Contractor managerial personnel=s willful misconduct or lack of good faith.

(2) Section I, Clause 970.5204-21, entitled, "Property (Jun 1997)," paragraph (f)(1)(i)(C).

(3) Section H, Clause entitled, "Costs Associated with Whistleblower Actions."

(b) The Contractor shall be liable for an amount not to exceed 1.25 times the maximum fee available for each fiscal year in accordance with the provisions of

the clauses in Section B entitled, “Fixed Fee” and “Performance Fee.” The amount of the Contractor=s liability shall be calculated on a cumulative, per fiscal year basis. The annual cap which will apply shall be based on the fiscal year in which the Contractor=s act or failure to act was the proximate cause of the liability assumed by the Contractor pursuant to the provisions of the Clauses identified above. In the event the Contractor=s act or failure to act overlaps more than one period, the limitation will be the annual limitation for the last fiscal year in which the Contractor=s act or failure to act occurred. If the Contractor=s cumulative obligations equal the amount of the annual limitation of liability, the Contractor shall have no further responsibility for the costs of the liabilities it has assumed pursuant to (a)(1) through (3) above; and all costs in excess of the limitation of liability shall be borne by the Government.

H-44. Hazardous Materials

In implementation of the clause in Section I entitled, “Hazardous Material Identification and Material Safety Data,” the Contractor shall obtain, review and maintain a Material Safety Data sheet (MSDS) in a readily accessible manner for each hazardous material (or mixture containing a hazardous material) ordered, delivered, stored or used; and maintain an accurate inventory and history of use of hazardous materials at each use and storage location. The MSDS shall conform to the requirements of 29 CFR 1910.1200(g).

H-45. Nonprofit Contractor

(a) With respect to only the clauses listed in (b) below, the term “nonprofit contractor” means:

(1) a university or other institution of higher education,

(2) an organization of the type described in section 501(c)(3) of the Internal Revenue Code of 1954 as amended and exempt from taxation under section 501(a) of the Internal Revenue Code,

(3) any nonprofit scientific or educational organization qualified as a nonprofit by the laws of the State of its organization or incorporation, or

(4) a combination of qualifying entities organized for a nonprofit purpose (e.g., partnership, joint venture or limited liability company) each member of which meets the requirements of (1), (2), or (3) above.

(b) (1) H-43 Limitation on Liability

(2) I-111 970.5204-21 Property, paragraph j

(3) I-105 970.5204-13 Allowable Costs and Fee (Management and Operating Contracts) (Mar 1998) (Modified) (Deviation), paragraph (e)(36), (37), and (38)

H-46. Definitions (Jan 2000)

M007 03/31/2000

"Contractor" as used in clause I.147 shall be defined as follows:

(a) In all subsections of said clause except as set forth in (b) below, as:

(i) UT-Battelle, LLC, a Tennessee nonprofit limited liability company, and

(ii) The members of UT-Battelle, LLC, which are, inclusive, the University of Tennessee, a state university, and Battelle Memorial Institute, an Ohio nonprofit corporation

(b) As to subsections (a) and (e) of said clause, Contractor shall be defined as UT-Battelle, LLC, a Tennessee nonprofit limited liability company.

H-47. Travel Restrictions (Jan 2000)

M026 02/06/2001

(a) For contractor travel expenses incurred on or after April 1, 2000, a ceiling limitation of $3,300,000 shall apply to all reimbursements made for contractor travel expenses under this contract utilizing funds appropriated under the FY 2000 Energy and Water Development Appropriations Act. Expended funds which exceed the established ceiling will be unallowable unless otherwise authorized by the contracting officer.

(b) Notwithstanding any other provisions of the contract, the contractor further agrees that none of the funds obligated under the contract may be used to reimburse employee travel costs incurred on or after April 1, 2000, and before October 1, 2000, which exceed the rates and amounts that apply to federal employees under subchapter I of Chapter 57 of Title 5, United States Code. To the extent that this contract provides elsewhere for the reimbursement of employee travel costs which exceed the rates and amounts that apply to federal employees under subchapter 1 of Chapter 57 of Title 5, United States Code, the preceding limitation on reimbursement of employee travel costs applies to costs incurred on or after April 1, 2000, and before October 1, 2000. Costs which exceed these rates and amounts will be unallowable. This restriction is in addition to those prescribed elsewhere in statute or regulation.

(c) Costs incurred for lodging, meals, and incidental expenses are considered reasonable and allowable to the extent that they do not exceed the maximum per diem rates in effect at the time of travel as set forth in:

(i) Federal Travel Regulations (FTR) for travel within the 48 states;

(ii) Joint Travel Regulations (JTR) for travel in Alaska, Hawaii, the Commonwealth of Puerto Rico, and territories and possessions of the United States; or

(iii) Standardized Regulations (SR) for travel allowances in foreign areas.

(d) Subparagraph (c) does not incorporate the regulations cited above in their entirety. Only the coverages in the referenced regulations addressing the maximum per diem rates, the definitions of lodging, meals, and incidental expenses, and special or unusual situations are applicable to contractor travel.

(e) Airfare costs in excess of the lowest customary standard, coach, or equivalent airfare offered during normal business hours are unallowable except when such accommodations require circuitous routing, require travel during unreasonable hours, excessively prolong travel, result in increased cost that would offset transportation savings, are not reasonably adequate for the physical or medical needs of the traveler, or are not reasonably available to meet mission requirements. However, in order for airfare costs in excess of the above standard airfare to be allowable, the applicable condition(s) set forth above must be documented.

H-48. Spallation Neutron Source (Aug 2000)

M014
09/20/2000

The Contractor will support the Spallation Neutron Source Project in Oak Ridge, Tennessee, as outlined in the "Memorandum of Agreement Between the Spallation Neutron Source Project and Argonne National Laboratory, Brookhaven National Laboratory, Lawrence Berkeley National Laboratory, Los Alamos National Laboratory, Oak Ridge National Laboratory, and Thomas Jefferson National Accelerator Facility (Revision 3) dated May 12, 2000," (MOA) and any further revisions thereto (subject to the acceptance by the DOE Contracting Officer). The MOA, and any revisions thereto, is incorporated by reference into this contract. If any provisions of the MOA conflict with the terms of the contract, the terms of the contract will prevail.

H-49. Notice Regarding the Purchase of American-Made Equipment and Products—Sense of Congress

M026
02/06/2001

It is the sense of the Congress that, to the greatest extent practicable, all equipment and products purchased with funds made available under this award should be American-Made.

H-50. Lobbying Restriction (Department of Interior and Related Agencies Appropriations Act, 2002)

M054
05/02/2002

The contractor agrees that none of the funds obligated on this with this award shall be made available for any activity or the publication or distribution of literature that in any way tends to promote public support or opposition to any legislative proposal on which Congressional action is not complete. This restriction is in addition to those prescribed elsewhere in statute and regulation.

H-51. Transfer of the Inorganic Membrane Technology Program

M062
07/31/2002

M072
12/30/2002

Effective August 1, 2002, the Contractor will assume the programmatic responsibility for the Inorganic Membrane Technology Program. As part of that responsibility, the Contractor will also assume operation of the Inorganic Membrane Technology Laboratory (IMTL), which is located within a portion of Building K-1037 located at the East Tennessee Technology Park, while arrangements are made to move the IMTL to the Oak Ridge National Laboratory (ORNL).

(a) The Contractor will be responsible for:

(1) The containment and cleanup of new spills and/or releases caused by the Contractor's staff or their operations while occupying the IMTL on or after August 1, 2002; and,

(2) The minimization, characterization and certification of waste generated by the Contractor in its operations and management of the IMTL on or after August 1, 2002.

(b) Building K-1037 has historically been used by DOE to support a variety of missions including but not limited to, Uranium Enrichment and Centrifuge Technology. The K-1037 Building is a vintage DOE facility that has pre-existing, historical conditions currently being considered for deactivation, decommissioning and decontamination by DOE. It is not the intent of this programmatic transfer that the Contractor assumes any responsibility for these pre-existing conditions, the deactivation, decommissioning and decontamination process, or environmental remediation and cleanup. Therefore, the Contractor will not be responsible for:

(1) The reuse, deactivation and decommissioning, and environmental remediation cleanup of the IMTL, except as stated in paragraph (a)(1) above;

(2) The disposition of waste generated;

(3) Cleanup of new spills caused by other DOE prime contractors or their subcontractors at the IMTL;

(4) The reuse or disposition of Government property located in the IMTL and K-1037 that is loaned to the private sector; and

(5) The disposition of any legacy contamination in the IMTL. Legacy contamination is defined as contamination not introduced by Contractor's post August 1, 2002, activities.

H-52. Advance Understanding Regarding Special Hazards Associated with Support of Nuclear and Other Threats Outside the United States

M062
07/31/2002

The parties recognize that the Contractor's support of DOE and/or other federal agency efforts to reduce threats from nuclear, radiological, chemical, biological, or explosive materials, facilities and/or devices, or missile technology located outside the United States may prove hazardous to Contractor employees who volunteer for these assignments. When performing this work, Contractor employees may be subject to special hazards which are not part of the employee's normal duties and for which workers' compensation laws, other statutes, the Contractor's welfare plan and policies, and other Contractor-provided insurance of the worker's private insurance may not provide adequate financial protection to the work in the event of disability, or to the worker's estate in the event of death.

(a) Definitions

(1) "Field Deployment Team" means that emergency-response team established by the Contractor at the request of DOE to be available, upon call by public authorities, through DOE, for immediate technical assistance and advice outside the United States involving detection, identification, assessment, characterization, packaging, control, containment, transport, dismantlement, movement or disposal of nuclear, radiological, chemical, biological, or explosive materials, facilities and/or devices, or missile technology.

(2) "Covered Assignment" means work which requires the active deployment outside the United States of a Contractor employee as a member of the Field Deployment Roster.

(3) "Special Insurance Coverage" means Special (Additional) Travel Accident or similar special insurance coverage obtained by the Contractor, with the consent of DOE, to cover each Contractor employee member of the Field Deployment Roster for accidental death, dismemberment, and disability occurring directly or indirectly from said employee's participation in a Covered Assignment, including but not limited to travel to and from the Covered Assignment.

(4) "Field Deployment Roster" means the list provided at the time of deployment by the Contractor of employees who have volunteered to serve on, and have been accepted for a Covered Assignment.

(5) "Contractor Benefit Plans Insurance" means insurance obtained and paid for by the Contractor for and on behalf of its employees. Such insurance includes Basic Life Insurance, Business Travel Accident Insurance, and, if applicable, the Special Insurance Coverage.

(b) Special Insurance Coverage
The Contractor may provide Field Deployment Roster employees with Special Insurance Coverage, as an allowable cost under this Contract, in order to facilitate the provision of technical expertise to assist in the activities listed in (a)(1) above. The total amount of Contractor Benefit Plans Insurance (including Special Insurance Coverage under this clause) provided to any Field Deployment Roster employee shall not exceed that employee's annual salary multiplied by 10.

(c) In performing the work covered by this clause, the Contractor shall use only Contractor employees who volunteer for this work assignment. The Contractor will thoroughly explain the risks of this work assignment to potential Contractor employee volunteers prior to accepting these volunteers for this work.

(d) The Contractor will provide the Field Deployment Roster to the Contracting Officer in writing prior to beginning work which may be covered by this clause.

(e) The Contractor shall not include the provisions of this clause in its subcontracts without first consulting with and receiving advance written approval from the Contracting Officer.

H-53. Other Patent Related Matters

M099
03/17/2004

(a) Transfer of Patent Rights to a Successor Contractor

As consideration for the Contractor's commitment to expend private monies in its privately-funded technology transfer effort under this Contract, including at least two hundred fifty thousand dollars ($250,000) per year for activities under the privately-funded technology transfer program which includes a combination of the filing of an average of three (3) patent applications per year during the period of this Contract, including expenses related to the patenting, marketing, licensing and development of Subject Inventions, the Parties agree that at the termination or expiration of this Contract, the following terms and conditions shall apply to Subject Inventions which were elected to be pursued under the Contractor's privately-funded technology transfer program, and to the licenses and royalties generated therefrom:

(1) In the event Contractor has executed a license, assignment or other commercialization agreement to a Subject Invention prior to termination or

expiration of this Contract in which royalties, fees, equity or other consideration is to be or has been paid (hereinafter "agreement"), the distribution of net income from royalties, equity, or any other consideration received or to be received under such agreement shall remain as prior to Contract termination or expiration and shall continue for the duration of such agreement. As set forth in paragraph (d) below, fifty-one percent (51%) of such net income shall go to the Successor Contractor at the Facility for use at the Facility pursuant to its contract or, in the absence of a Successor Contractor, to such other entity designated by the Government, and forty-nine percent (49%) may be retained by the Contractor for use in accordance with 35 USC Section 200 et seq. Administration of agreements related to such Subject Invention, shall remain with the Contractor. Title to such Subject Invention shall remain with the Contractor provided the Contractor has fulfilled the commitments set forth in paragraph (a) above. If the Contractor has not fulfilled the commitments set forth in paragraph (a) above, upon request, title to such Subject Invention shall be transferred to the Successor Contractor, or such other entity designated by the Government.

(2) In the event Contractor has not executed an agreement (as defined in paragraph (1) above) to a Subject Invention, upon request, title to such Subject Invention shall be transferred to the Successor Contractor, or to such other entity designated by the Government, unless Contractor can demonstrate that it has expended at least twenty thousand dollars ($20,000) of private monies in its privately-funded technology transfer program toward the patenting, licensing, marketing and/or development of such Subject Invention, and the Contractor has fulfilled the commitments set forth in paragraph (a) above. In the event Contractor retains title to a Subject Invention under this paragraph, the distribution of royalties, fees, equity or other consideration from such agreement shall be as set forth in paragraph (1) above.

(3) In the event Contractor retains title to Subject Inventions under paragraphs (1) or (2) above, and executes an agreement (as defined in paragraph (1) above) to such Subject Inventions after the termination or expiration of this Contract, the distribution of royalties, fees, equity or other consideration from such agreement shall be as set forth in paragraph (1) above.

(4) The Contractor and the Government shall enter negotiations prior to such termination or expiration with respect to retention of the title to Subject Inventions. Such negotiations shall consider the equities of the Parties with respect to each Subject Invention and shall take into consideration the presence of private investment, DOE's need for continued operation of the Facility, potential commercial use, assumption of patent related liabilities, effective technology transfer, and the need to market the technology. Such negotiations shall not change the disposition of title provided for in paragraphs (1) and (2) above unless mutually agreed by the Contractor and the Government.

(5) For any Subject Invention to which the Contractor maintains title or administration of an agreement under paragraphs (a)(1)-(2) above, the Contractor

agrees that, to the extent it is able to do so in view of prior licenses or assignments, it will negotiate in good faith to enable the Successor Contractor to practice such subject invention in the form of CRADAs, Work For Others agreements, licenses or other appropriate agreements, in order to fulfill the missions and programs of the Facility. It is the intention of the Contractor to enable the Successor Contractor to continue operation of the Facility, including the Facility's technology transfer program. In any event, the Successor Contractor retains the nonexclusive royalty-free right to practice the Subject Invention on behalf of the U.S. Government.

(6) The provisions of paragraph (a)(1), (2), (3), and (5) above survive expiration or termination of the Contract.

(b) Costs

(1) Except as otherwise specified in the clause of this Contract entitled, "Technology Transfer Mission," as allowable costs for conducting activities pursuant to provisions of that clause, no costs are allowable as direct or indirect costs for the preparation, filing, or prosecution of patent applications or the payment of maintenance fees or licensing and marketing costs after the Contractor elects to pursue commercialization of a Subject Invention under its privately-funded technology transfer program pursuant to paragraph (f) below.

(2) If an extension of time for election of a Subject Invention for privately-funded technology transfer is approved in accordance with paragraph (f) below, Contractor shall reimburse all allowable costs incurred with respect to such Subject Invention during the time period of the extension. The Contractor shall also reimburse all patent costs which are incurred under the Contract for all Subject Inventions elected to be treated under privately-funded technology transfer, regardless of when such costs are incurred.

(c) Liability of the Government

(1) All costs, including litigation costs, associated with and attributed to Contractor's privately funded technology transfer program are unallowable.

(2) The Contractor shall not include in any license agreement or assignment any guarantee or requirement which would obligate the Government to pay any costs or create any liability on behalf of the Government.

(3) The Contractor shall include in all licensing agreements and in any assignment of title the following clauses unless otherwise approved or directed by the Contracting Officer following consultation with DOE Patent Counsel:

(i) "This agreement is entered into by UT-Battelle, LLC (UT-Battelle) in its private capacity. It is understood and agreed that the U.S. Government is not a

party to this agreement and in no manner whatsoever shall be liable for nor assume any responsibility or obligation for any claim, cost or damages arising out of or resulting from this agreement or the subject matter licensed assigned)."

(ii) "Nothing in this Agreement shall be deemed to be a representation or warranty by UT-Battelle or the U.S. Government of the validity of any of the patents or the accuracy, safety, or usefulness for any purpose, of any TECHNICAL INFORMATION, techniques, or practices at any time made available by UT-Battelle. Neither the U.S. Government nor UT-Battelle nor any member company of UT-Battelle shall have any liability whatsoever to LICENSEE or any other person for or on account of any injury, loss, or damage of any kind or nature sustained by, or any damage assessed or asserted against, or any other liability incurred by or imposed upon LICENSEE or any other person, arising out of or in connection with or resulting from:

(A) The production, use, or sale of any apparatus or product, or the practice of the INVENTIONS;

(B) The use of any TECHNICAL INFORMATION, techniques, or practices disclosed by UT-Battelle; or

(C) Any advertising or other promotional activities with respect to any of the foregoing, and LICENSEE shall hold the U.S. Government, UT-Battelle, and any member company of UT-Battelle harmless in the event the U.S. Government, UT-Battelle, or any member company of UT-Battelle is held liable.

UT-Battelle represents that it has the right to grant all of the rights granted herein, except as to such rights as the Government of the United States of America may have or may assert."

(d) Distribution of net income

In the event the Contractor engages in a privately-funded technology transfer program under the clause of this Contract entitled, “Patent Rights – Management and Operating Contracts, Nonprofit Organization or Small Business Firm Contractor” or the clause of this Contract entitled, “Rights in Data – Technology Transfer”, such that private funds are utilized for technology transfer after the Contractor elects to pursue privately-funded commercialization of a Subject Invention or after the Contractor has received permission from the Contracting Officer to assert statutory copyright in a software program and received DOE approval to commercialize such software under its privately-funded technology transfer program under paragraph (i) below, net income from such privately-funded technology transfer program shall be distributed as follows:

(1) Fifty-one percent (51%) of net income shall be used at the Facility for scientific research, development and education consistent with the research and development mission and objectives of the Facility. Forty-nine percent (49%) of such net income may be used by the Contractor at a location other than the Facility if such use is for scientific research, development, and education consistent with the research and development mission and objectives of the Facility in accordance with 35 USC Section 200 et seq.

(2) "Net income" is defined as that amount remaining after the expense of patenting costs, licensing and marketing costs, payments to inventors, and other expenses incidental to the administration of subject inventions is deducted from gross income received.

(e) Equity Plan

It is the intent of the Government and the Contractor that the Contractor shall, in its discretion, take reasonable and prudent actions from both a commercial and stewardship of the Facility's technology transfer perspective related to the ownership of equity received from third parties under this Contract. Contractor shall submit to the Contracting Officer a plan which shall set forth principles for the Contractor's acquisition, retention and disposition of equity received from third parties as consideration for licenses or assignments granted to such third party. Such plan shall consider, at a minimum,

(1) the manner in which the Contractor shall acquire such equity in a third party, including the manner in which Contractor shall apportion capital contributions to such third party between the relative value of private Contractor contributions and the value of contributions representing a license under a Subject Invention;

(2) the manner in which the Contractor shall hold such equity, given that the Government has an undivided 51% interest in that portion of such equity representing the value of contributions resulting from a license to such Subject Invention;

(3) the manner in which the Contractor shall dispose of such equity, giving due consideration to the potential for a conflict of interest between the interests of the Government and the Contractor; and

(4) the manner in which Contractor's inventors are compensated.

(f) The Contractor shall indicate whether a Subject Invention will be pursued under its government-funded technology transfer program or its privately-funded technology transfer program within six (6) months after the Subject Invention is reported to the Contractor, unless an extension is otherwise agreed in writing by the Patent Counsel. Subject Inventions reported to the Contractor on or after the effective date of the contract modification that incorporates this clause into Prime Contract No. DE-AC05-

00OR22725 will be eligible for commercialization pursuant to the privately-funded technology transfer program.

(g) In its privately-funded technology transfer program, the Contractor shall be substantially guided by the principles of U.S. Competitiveness and Fairness of Opportunity as set forth herein.

(h) When requesting approval from DOE to assert statutory copyright in a particular software package pursuant to the clause entitled "Rights in Data—Technology Transfer" (Clause I-93(e) herein), Contractor may request that commercialization of such software proceed under the provisions of this Clause H-53. If approved, no costs of such commercialization thereafter shall be allowable, and the proceeds of such commercialization shall be treated in accordance with paragraph (a) above as if such proceeds had resulted from the commercialization of a Subject Invention. Upon termination or expiration of the Contract, such software will be treated as if such software were a Subject Invention elected under Contractor's privately-funded technology transfer program. Disposition of title to such software will be governed by the provisions of paragraphs (a)(1)-(a)(5) above, except that the $20,000 expenditure requirement for Subject Inventions set forth in paragraph (a)(2) is not applicable to such software.

(i) Contractor's privately-funded technology transfer program shall be conducted so as to avoid interference with or adverse effects on Contractor's performance of other activities authorized by the Contract, including its government-funded technology transfer program.

(j) The Contractor shall have procedures implementing its privately-funded technology transfer program. Such implementing procedures shall be provided to the Contracting Officer for review and approval within ninety (90) days after execution of the contract modification authorizing privately-funded technology transfer. The Contracting Officer shall have thirty (30) days thereafter to approve or require specific changes to such procedures.

(k) To the extent it provides the most effective technology transfer program, DOE retains the right to require certain portions of Contractor's privately-funded technology transfer program to be administered by a non-laboratory employee(s).

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PART II—CONTRACT CLAUSES

SECTION I—CONTRACT CLAUSES

I-1. 52.202-1 Definitions (Oct 1995) and 952.202-1

(a) "*Head of Agency,"* means The Secretary, Deputy Secretary or Under Secretary of the Department of Energy and the Chairman, Federal Energy Regulatory Commission.

(b) *Commercial Component,* means, any component that is a commercial item.

(c) *Commercial,* item means

(1) Any item, other than real property, that is of a type customarily used for non-governmental purposes and that,

(i) Has been sold, leased, or licensed to the general public; or

(ii) Has been offered for sale, lease, or license to the general public;

(2) Any item that evolved from an item described in paragraph (c)(1) of this clause through advances in technology or performance and that is not yet available in the commercial marketplace, but will be available in the commercial marketplace in time to satisfy the delivery requirements under a Government solicitation;

(3) Any item that would satisfy a criterion expressed in paragraphs (c)(1) or (c)(2) of this clause, but for,

(i) Modifications of a type customarily available in the commercial marketplace; or

(ii) Minor modifications of a type not customarily available in the commercial marketplace made to meet Federal Government requirements. "Minor" modifications means modifications that do not significantly alter the nongovernmental function or essential physical characteristics of an item or component, or change the purpose of a process. Factors to be considered in determining whether a modification is minor include the value and size of the modification and the comparative value and size of the final product. Dollar values and percentages may be used as guideposts, but are not conclusive evidence that a modification is minor.

(4) Any combination of items meeting the requirements of paragraphs (c)(1), (2), (3), or (5) of this clause that are of a type customarily combined and sold in combination to the general public.

(5) Installation services, maintenance services, repair services, training services, and other services if such services are procured for support of an item referred to in paragraphs (c)(1), (2), (3), or (4) of this clause, and if the source of such services.

(i) Offers such services to the general public and the Federal Government contemporaneously and under similar terms and conditions, and

(ii) Offers to use the same work force for providing the Federal Government with such services as the source uses for providing such services to the general public.

(6) Services of a type offered and sold competitively in substantial quantities in the commercial marketplace based on established catalog or market prices for specific tasks performed under standard commercial terms and conditions. This does not include services that are sold based on hourly rates without an established catalog or market price for a specific service performed.

(7) Any item, combination of items, or service referred to in subparagraphs (c)(1) through (c)(6), notwithstanding the fact that the item, combination of items, or service is transferred between or among separate divisions, subsidiaries, or affiliates of a Contractor, or

(8) A nondevelopmental item, if the procuring agency determines the item was developed exclusively at private expense and sold in substantial quantities, on a competitive basis, to multiple State and local Governments.

(d) *Component*, means any item supplied to the Federal Government as part of an end item or of another component.

(e) *Non-developmental item*, means —

(1) Any previously developed item of supply used exclusively for governmental purposes by a Federal agency, a State or local government, or a foreign government with which the United States has a mutual defense cooperation agreement;

(2) Any item described in paragraph (e)(1) of this definition that requires only minor modification or modifications of a type customarily available in the

commercial marketplace in order to meet the requirements of the procuring department or agency; or

(3) Any item of supply being produced that does not meet the requirements of paragraph (e)(1) or (e)(2) solely because the item is not yet in use.

(f) "*Contracting Officer"* means a person with the authority to enter into, administer, and/or terminate contracts and make related determinations and findings. The term includes certain authorized representatives of the Contracting Officer acting within the limits of their authority as delegated by the Contracting Officer.

(g) Except as otherwise provided in this contract, the term "*subcontracts"* includes, but is not limited to, means purchase orders and changes and modifications to purchase orders under this contract.

(h) The term "DOE," means The Department of Energy and "AFERC" means the Federal Energy Regulatory Commission.

I-2. 52.203-3 Gratuities (Apr 1984)

(a) The right of the Contractor to proceed may be terminated by written notice if, after notice and hearing, the agency head or a designee determines that the Contractor, its agent, or another representative —

(1) Offered or gave a gratuity (e.g., an entertainment or gift) to an officer, official, or employee of the Government; and

(2) Intended, by the gratuity, to obtain a contract or favorable treatment under a contract.

(b) The facts supporting this determination may be reviewed by any court having lawful jurisdiction.

(c) If this contract is terminated under paragraph (a) of this clause, the Government is entitled —

(1) To pursue the same remedies as in a breach of the contract; and

(2) In addition to any other damages provided by law, to exemplary damages of not less than 3 nor more than 10 times the cost incurred by the Contractor in giving gratuities to the person concerned, as determined by the agency head or a designee. (This subparagraph (c)(2) is applicable only if this contract uses money appropriated to the Department of Defense.)

(d) The rights and remedies of the Government provided in this clause shall not be exclusive and are in addition to any other rights and remedies provided by law or under this contract.

I-3. 52.203-5 Covenant Against Contingent Fees (Apr 1984)

(a) The Contractor warrants that no person or agency has been employed or retained to solicit or obtain this contract upon an agreement or understanding for a contingent fee, except a bona fide employee or agency. 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 the contingent fee.

(b) "Bona fide agency," as used in this clause, means an established commercial or selling agency, maintained by a contractor for the purpose of securing business, that neither exerts nor proposes to exert improper influence to solicit or obtain Government contracts nor holds itself out as being able to obtain any Government contract or contracts through improper influence.

"Bona fide employee," as used in this clause, means a person, employed by a contractor and subject to the contractor's supervision and control as to time, place, and manner of performance, who neither exerts nor proposes to exert improper influence to solicit or obtain Government contracts nor holds out as being able to obtain any Government contract or contracts through improper influence.

"Contingent fee," as used in this clause, means any commission, percentage, brokerage, or other fee that is contingent upon the success that a person or concern has in securing a Government contract.

"Improper influence," as used in this clause, means any influence that induces or tends to induce a Government employee or officer to give consideration or to act regarding a Government contract on any basis other than the merits of the matter.

I-4. 52.203-6 Restrictions on Subcontractor Sales to the Government (Jul 1995)

(a) Except as provided in (b) of this clause, the Contractor shall not enter into any agreement with an actual or prospective subcontractor, nor otherwise act in any manner, which has or may have the effect of restricting sales by such subcontractors directly to the Government of any item or process (including computer software) made or furnished by the subcontractor under this contract or under any follow-on production contract.

(b) The prohibition in (a) of this clause does not preclude the Contractor from asserting rights that are otherwise authorized by law or regulation.

(c) The Contractor agrees to incorporate the substance of this clause, including this paragraph (c), in all subcontracts under this contract which exceed $100,000.

I-5. 52.203-7 Anti-Kickback Procedures (Jul 1995)

(a) *Definitions.*

"Kickback," as used in this clause, means any money, fee, commission, credit, gift, gratuity, thing of value, or compensation of any kind which is provided, directly or indirectly, to any prime Contractor, prime Contractor employee, subcontractor, or subcontractor employee for the purpose of improperly obtaining or rewarding favorable treatment in connection with a prime contract or in connection with a subcontract relating to a prime contract..

"Person," as used in this clause, means a corporation, partnership, business association of any kind, trust, joint-stock company, or individual.

"Prime contract," as used in this clause, means a contract or contractual action entered into by the United States for the purpose of obtaining supplies, materials, equipment, or services of any kind.

"Prime Contractor" as used in this clause, means a person who has entered into a prime contract with the United States.

"Prime Contractor employee," as used in this clause, means any officer, partner, employee, or agent of a prime Contractor.

"Subcontract," as used in this clause, means a contract or contractual action entered into by a prime Contractor or subcontractor for the purpose of obtaining supplies, materials, equipment, or services of any kind under a prime contract.

"Subcontractor," as used in this clause, (1) means any person, other than the prime Contractor, who offers to furnish or furnishes any supplies, materials, equipment, or services of any kind under a prime contract or a subcontract entered into in connection with such prime contract, and (2) includes any person who offers to furnish or furnishes general supplies to the prime Contractor or a higher tier subcontractor.

"Subcontractor employee," as used in this clause, means any officer, partner, employee, or agent of a subcontractor.

(b) The Anti-Kickback Act of 1986 (41 U.S.C. 51-58) (the Act), prohibits any person from —

(1) Providing or attempting to provide or offering to provide any kickback;

(2) Soliciting, accepting, or attempting to accept any kickback; or

(3) Including, directly or indirectly, the amount of any kickback in the contract price charged by a prime Contractor to the United States or in the contract price charged by a subcontractor to a prime Contractor or higher tier subcontractor.

(c) (1) The Contractor shall have in place and follow reasonable procedures designed to prevent and detect possible violations described in paragraph (b) of this clause in its own operations and direct business relationships.

(2) When the Contractor has reasonable grounds to believe that a violation described in paragraph (b) of this clause may have occurred, the Contractor shall promptly report in writing the possible violation. Such reports shall be made to the inspector general of the contracting agency, the head of the contracting agency if the agency does not have an inspector general, or the Department of Justice.

(3) The Contractor shall cooperate fully with any Federal agency investigating a possible violation described in paragraph (b) of this clause.

(4) The Contracting Officer may (i) offset the amount of the kickback against any monies owed by the United States under the prime contract and/or (ii) direct that the Prime Contractor withhold from sums owed a subcontractor under the prime contract the amount of the kickback. The Contracting Officer may order that monies withheld under subdivision (c)(4)(ii) of this clause be paid over to the Government unless the Government has already offset those monies under subdivision (c)(4)(i) of this clause. In either case, the Prime Contractor shall notify the Contracting Officer when the monies are withheld.

(5) The Contractor agrees to incorporate the substance of this clause, including subparagraph (c)(5) but excepting subparagraph (c)(1), in all subcontracts under this contract which exceed $100,000.

I-6. 52.203-8 Cancellation, Rescission, and Recovery of Funds for Illegal or Improper Activity (Jan 1997)

(a) If the Government receives information that a contractor or a person has engaged in conduct constituting a violation of subsection (a), (b), (c), or (d) of section 27 of the Office of Federal Procurement Policy Act (41 U.S.C. 423) (the Act), as amended by section 4304 of the National Defense Authorization Act for Fiscal Year 1996 (Pub. L. 104-106), the Government may —

(1) Cancel the solicitation, if the contract has not yet been awarded or issued; or

(2) Rescind the contract with respect to which —

(i) The Contractor or someone acting for the Contractor has been convicted for an offense where the conduct constitutes a violation of subsection 27(a) or (b) of the Act for the purpose of either —

(A) Exchanging the information covered by such subsections for anything of value; or

(B) Obtaining or giving anyone a competitive advantage in the award of a Federal agency procurement contract; or

(ii) The head of the contracting activity has determined, based upon a preponderance of the evidence, that the Contractor or someone acting for the Contractor has engaged in conduct constituting an offense punishable under subsection 27(e)(1) of the Act.

(b) If the Government rescinds the contract under paragraph (a) of this clause, the Government is entitled to recover, in addition to any penalty prescribed by law, the amount expended under the contract.

(c) The rights and remedies of the Government specified herein are not exclusive, and are in addition to any other rights and remedies provided by law, regulation, or under this contract.

I-7. 52.203-10 Price or Fee Adjustment for Illegal or Improper Activity (Jan 1997)

(a) The Government, at its election, may reduce the price of a fixed-price type contract and the total cost and fee under a cost-type contract by the amount of profit or fee determined as set forth in paragraph (b) of this clause if the head of the contracting activity or designee determines that there was a violation of subsection 27(a), (b), or (c) of the Office of Federal Procurement Policy Act, as amended (41 U.S.C. 423), as implemented in section 3.104 of the Federal Acquisition Regulation.

(b) The price or fee reduction referred to in paragraph (a) of this clause shall be —

(1) For cost-plus-fixed-fee contracts, the amount of the fee specified in the contract at the time of award;

(2) For cost-plus-incentive-fee contracts, the target fee specified in the contract at the time of award, notwithstanding any minimum fee or “fee floor” specified in the contract;

(3) For cost-plus-award-fee contracts —

(i) The base fee established in the contract at the time of contract award;

(ii) If no base fee is specified in the contract, 30 percent of the amount of each award fee otherwise payable to the Contractor for each award fee evaluation period or at each award fee determination point.

(4) For fixed-price-incentive contracts, the Government may —

(i) Reduce the contract target price and contract target profit both by an amount equal to the initial target profit specified in the contract at the time of contract award; or

(ii) If an immediate adjustment to the contract target price and contract target profit would have a significant adverse impact on the incentive price revision relationship under the contract, or adversely affect the contract financing provisions, the Contracting Officer may defer such adjustment until establishment of the total final price of the contract. The total final price established in accordance with the incentive price revision provisions of the contract shall be reduced by an amount equal to the initial target profit specified in the contract at the time of contract award and such reduced price shall be the total final contract price.

(5) For firm-fixed-price contracts, by 10 percent of the initial contract price or a profit amount determined by the Contracting Officer from records or documents in existence prior to the date of the contract award.

(c) The Government may, at its election, reduce a prime contractor's price or fee in accordance with the procedures of paragraph (b) of this clause for violations of the Act by its subcontractors by an amount not to exceed the amount of profit or fee reflected in the subcontract at the time the subcontract was first definitively priced.

(d) In addition to the remedies in paragraphs (a) and (c) of this clause, the Government may terminate this contract for default. The rights and remedies of the Government specified herein are not exclusive, and are in addition to any other rights and remedies provided by law or under this contract.

I-8. 52.203-12 Limitation on Payments to Influence Certain Federal Transactions (Jun 1997)

(a) *Definitions.*

"Agency," as used in this clause, means executive agency as defined in 2.101.

"Covered Federal action," as used in this clause, means any of the following Federal actions:

(1) The awarding of any Federal contract.

(2) The making of any Federal grant.

(3) The making of any Federal loan.

(4) The entering into of any cooperative agreement.

(5) The extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

"Indian tribe" and "tribal organization," as used in this clause, have the meaning provided in section 4 of the Indian Self-Determination and Education Assistance Act (25 U.S.C. 450B) and include Alaskan Natives.

"Influencing or attempting to influence," as used in this clause, means making, with the intent to influence, any communication to or appearance before an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any covered Federal action.

"Local government," as used in this clause, means a unit of government in a State and, if chartered, established, or otherwise recognized by a State for the performance of a governmental duty, including a local public authority, a special district, an intrastate district, a council of governments, a sponsor group representative organization, and any other instrumentality of a local government.

"Officer or employee of an agency," as used in this clause, includes the following individuals who are employed by an agency:

(1) An individual who is appointed to a position in the Government under Title 5, United States Code, including a position under a temporary appointment.

(2) A member of the uniformed services, as defined in subsection 101(3), Title 37, United States Code.

(3) A special Government employee, as defined in section 202, Title 18, United States Code.

(4) An individual who is a member of a Federal advisory committee, as defined by the Federal Advisory Committee Act, Title 5, United States Code, Appendix 2.

"Person," as used in this clause, means an individual, corporation, company, association, authority, firm, partnership, society, State, and local government, regardless of whether such entity is operated for profit, or not for profit. This term excludes an Indian tribe, tribal organization, or any other Indian organization with respect to expenditures specifically permitted by other Federal law.

"Reasonable compensation," as used in this clause, means, with respect to a regularly employed officer or employee of any person, compensation that is consistent with the normal compensation for such officer or employee for work that is not furnished to, not funded by, or not furnished in cooperation with the Federal Government.

"Reasonable payment," as used in this clause, means, with respect to professional and other technical services, a payment in an amount that is consistent with the amount normally paid for such services in the private sector.

"Recipient," as used in this clause, includes the Contractor and all subcontractors. This term excludes an Indian tribe, tribal organization, or any other Indian organization with respect to expenditures specifically permitted by other Federal law.

"Regularly employed," as used in this clause, means, with respect to an officer or employee of a person requesting or receiving a Federal contract, an officer or employee who is employed by such person for at least 130 working days within 1 year immediately preceding the date of the submission that initiates agency consideration of such person for receipt of such contract. An officer or employee who is employed by such person for less than 130 working days within 1 year immediately preceding the date of the submission that initiates agency consideration of such person shall be considered to be regularly employed as soon as he or she is employed by such person for 130 working days.

"State," as used in this clause, means a State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, a territory or possession of the United States, an agency or instrumentality of a State, and multi-State, regional, or interstate entity having governmental duties and powers.

(b) *Prohibitions.*

(1) Section 1352 of Title 31, United States Code, among other things, prohibits a recipient of a Federal contract, grant, loan, or cooperative agreement from using appropriated funds to pay any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with any of the following covered Federal actions: the awarding of any Federal contract; the making of any Federal grant; the making of any Federal loan; the entering into of any cooperative agreement;

or the modification of any Federal contract, grant, loan, or cooperative agreement.

(2) The Act also requires Contractors to furnish a disclosure if any funds other than Federal appropriated funds (including profit or fee received under a covered Federal transaction) have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with a Federal contract, grant, loan, or cooperative agreement.

(3) The prohibitions of the Act do not apply under the following conditions:

(i) *Agency and legislative liaison by own employees.*

(A) The prohibition on the use of appropriated funds, in subparagraph (b)(1) of this clause, does not apply in the case of a payment of reasonable compensation made to an officer or employee of a person requesting or receiving a covered Federal action if the payment is for agency and legislative liaison activities not directly related to a covered Federal action.

(B) For purposes of subdivision (b)(3)(i)(A) of this clause, providing any information specifically requested by an agency or Congress is permitted at any time.

(C) The following agency and legislative liaison activities are permitted at any time where they are not related to a specific solicitation for any covered Federal action:

(1) Discussing with an agency the qualities and characteristics (including individual demonstrations) of the person's products or services, conditions or terms of sale, and service capabilities.

(2) Technical discussions and other activities regarding the application or adaptation of the person's products or services for an agency's use.

(D) The following agency and legislative liaison activities are permitted where they are prior to formal solicitation of any covered Federal action —

(1) Providing any information not specifically requested but necessary for an agency to make an informed decision about initiation of a covered Federal action;

(2) Technical discussions regarding the preparation of an unsolicited proposal prior to its official submission; and

(3) Capability presentations by persons seeking awards from an agency pursuant to the provisions of the Small Business Act, as amended by Pub. L. 95-507, and subsequent amendments.

(E) Only those services expressly authorized by subdivision (b)(3)(i)(A) of this clause are permitted under this clause.

(ii) *Professional and technical services.*

(A) The prohibition on the use of appropriated funds, in subparagraph (b)(1) of this clause, does not apply in the case of —

(1) A payment of reasonable compensation made to an officer or employee of a person requesting or receiving a covered Federal action or an extension, continuation, renewal, amendment, or modification of a covered Federal action, if payment is for professional or technical services rendered directly in the preparation, submission, or negotiation of any bid, proposal, or application for that Federal action or for meeting requirements imposed by or pursuant to law as a condition for receiving that Federal action.

(2) Any reasonable payment to a person, other than an officer or employee of a person requesting or receiving a covered Federal action or an extension, continuation, renewal, amendment, or modification of a covered Federal action if the payment is for professional or technical services rendered directly in the preparation, submission, or negotiation of any bid, proposal, or application for that Federal action or for meeting requirements imposed by or pursuant to law as a condition for receiving that Federal action. Persons other than officers or employees of a person requesting or receiving a covered Federal action include consultants and trade associations.

(B) For purposes of subdivision (b)(3)(ii)(A) of this clause, "professional and technical services" shall be limited to advice and analysis directly applying any professional or technical discipline. For example, drafting of a legal document

accompanying a bid or proposal by a lawyer is allowable. Similarly, technical advice provided by an engineer on the performance or operational capability of a piece of equipment rendered directly in the negotiation of a contract is allowable. However, communications with the intent to influence made by a professional (such as a licensed lawyer) or a technical person (such as a licensed accountant) are not allowable under this section unless they provide advice and analysis directly applying their professional or technical expertise and unless the advice or analysis is rendered directly and solely in the preparation, submission or negotiation of a covered Federal action. Thus, for example, communications with the intent to influence made by a lawyer that do not provide legal advice or analysis directly and solely related to the legal aspects of his or her client's proposal, but generally advocate one proposal over another are not allowable under this section because the lawyer is not providing professional legal services. Similarly, communications with the intent to influence made by an engineer providing an engineering analysis prior to the preparation or submission of a bid or proposal are not allowable under this section since the engineer is providing technical services but not directly in the preparation, submission or negotiation of a covered Federal action.

(C) Requirements imposed by or pursuant to law as a condition for receiving a covered Federal award include those required by law or regulation and any other requirements in the actual award documents.

(D) Only those services expressly authorized by subdivisions (b)(3)(ii)(A)(1) and (2) of this clause are permitted under this clause.

(E) The reporting requirements of FAR 3.803(a) shall not apply with respect to payments of reasonable compensation made to regularly employed officers or employees of a person.

(c) Disclosure.

(1) The Contractor who requests or receives from an agency a Federal contract shall file with that agency a disclosure form, OMB standard form LLL, Disclosure of Lobbying Activities, if such person has made or has agreed to make any payment using nonappropriated funds (to *include* profits from any covered Federal action), which would be prohibited under subparagraph (b)(1) of this clause, if paid for with appropriated funds.

(2) The Contractor shall file a disclosure form at the end of each calendar quarter in which there occurs any event that materially affects the accuracy of the information contained in any disclosure form previously filed by such person under subparagraph (c)(1) of this clause. An event that materially affects the accuracy of the information reported includes —

(i) A cumulative increase of $25,000 or more in the amount paid or expected to be paid for influencing or attempting to influence a covered Federal action; or

(ii) A change in the person(s) or individual(s) influencing or attempting to influence a covered Federal action; or

(iii) A change in the officer(s), employee(s), or Member(s) contacted to influence or attempt to influence a covered Federal action.

(3) The Contractor shall require the submittal of a certification, and if required, a disclosure form by any person who requests or receives any subcontract exceeding $100,000 under the Federal contract.

(4) All subcontractor disclosure forms (but not certifications) shall be forwarded from tier to tier until received by the prime Contractor. The prime Contractor shall submit all disclosures to the Contracting Officer at the end of the calendar quarter in which the disclosure form is submitted by the subcontractor. Each subcontractor certification shall be retained in the subcontract file of the awarding Contractor.

(d) *Agreement.* The Contractor agrees not to make any payment prohibited by this clause.

(e) *Penalties.*

(1) Any person who makes an expenditure prohibited under paragraph (a) of this clause or who fails to file or amend the disclosure form to be filed or amended by paragraph (b) of this clause shall be subject to civil penalties as provided for by 31 U.S.C. 1352. An imposition of a civil penalty does not prevent the Government from seeking any other remedy that may be applicable.

(2) Contractors may rely without liability on the representation made by their subcontractors in the certification and disclosure form.

(f) *Cost allowability*. Nothing in this clause makes allowable or reasonable any costs which would otherwise be unallowable or unreasonable. Conversely, costs made specifically unallowable by the requirements in this clause will not be made allowable under any other provision.

I-9. 952.204-2 Security (Sep 1997)

(a) *Responsibility*. It is the contractor's duty to safeguard all classified information, special nuclear material, and other DOE property. The contractor shall, in accordance with DOE security regulations and requirements, be responsible for safeguarding all classified information and protecting against sabotage, espionage, loss or theft of 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 DOE any classified matter in the possession of the contractor or any person under the contractor's control in connection with performance of this contract. If retention by the contractor of any classified matter is required after the completion or termination of the contract, the contractor shall identify the items and types or categories of matter proposed for retention, the reasons for the retention of the matter, and the proposed period of retention. If the retention is approved by the contracting officer, the security provisions of the contract shall continue to be applicable to the matter retained. Special nuclear material shall not be retained after the completion or termination of the contract.

(b) *Regulations*. The contractor agrees to comply with all security regulations and requirements of DOE in effect on the date of award.

(c) *Definition of classified information*. The term "classified information" means Restricted Data, Formerly Restricted Data, or National Security Information.

(d) *Definition of restricted data*. The term "Restricted Data" 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.

(e) *Definition of formerly restricted data*. The term "Formerly Restricted Data" means all data removed from the Restricted Data category under section 142 d. of the Atomic Energy Act of 1954, as amended.

(f) *Definition of National Security Information*. The term "National Security Information" means any information or material, regardless of its physical form or characteristics, that is owned by, produced for or by, or is under the control of the United States Government, that has been determined pursuant to Executive Order 12356 or prior Orders to require protection against unauthorized disclosure, and which is so designated.

(g) *Definition of Special Nuclear Material (SNM)*. SNM means: (1) plutonium, uranium enriched in the isotope 233 or in the isotope 235, and any other material

which pursuant to the provisions of Section 51 of the Atomic Energy Act of 1954, as amended, has been determined to be special nuclear material, but does not include source material; or (2) any material artificially enriched by any of the foregoing, but does not include source material.

(h) *Security clearance of personnel*. The contractor shall not permit any individual to have access to any classified information, except in accordance with the Atomic Energy Act of 1954, as amended, Executive Order 12356, and the DOE's regulations or requirements applicable to the particular level and category of classified information to which access is required.

(i) *Criminal liability*. It is understood that disclosure of any classified information relating to the work or services ordered hereunder to any person not entitled to receive it, or failure to safeguard any classified information 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 E.O. 12356.)

(j) *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.

I-10. 52.204-4 Printing/Copying Double-Sided on Recycled Paper (Jun 1996)

(a) In accordance with Executive Order 12873, dated October 20, 1993, as amended by Executive Order 12995, dated March 25, 1996, the Offeror/Contractor is encouraged to submit paper documents, such as offers, letters, or reports, that are printed/copied double-sided on recycled paper that has at least 20 percent post consumer material.

(b) The 20 percent standard applies to high-speed copier paper, offset paper, forms bond, computer printout paper, carbonless paper, file folders, white woven envelopes, and other uncoated printed and writing paper, such as writing and office paper, book paper, cotton fiber paper, and cover stock. An alternative to meeting the 20 percent postconsumer material standard is 50 percent recovered material content of certain industrial by-products.

I-11. 952.204-70 Classification/Declassification (Sep 1997)

In the performance of work under this contract, the contractor or subcontractor shall comply with all provisions of the Department of Energy's regulations and mandatory DOE directives which apply to work involving the classification and declassification of information, documents, or material. In this section, "information" means facts, data, or knowledge itself; "document" means the physical medium on or in which information

is recorded; and "material" means a product or substance which contains or reveals information, regardless of its physical form or characteristics. Classified information is "Restricted Data" and "Formerly Restricted Data" (classified under the Atomic Energy Act of 1954, as amended) and "National Security Information" (classified under Executive Order 12958 or prior Executive Orders). The original decision to classify or declassify information is considered an inherently Governmental function. For this reason, only Government personnel may serve as original classifiers, i.e., Federal Government Original Classifiers. Other personnel (Government or contractor) may serve as derivative classifiers which involves making classification decisions based upon classification guidance which reflect decisions made by Federal Government Original Classifiers.

The contractor or subcontractor shall ensure that any document or material that may contain classified information is reviewed by either a Federal Government or a Contractor Derivative Classifier in accordance with classification regulations including mandatory DOE directives and classification/declassification guidance furnished to the contractor by the Department of Energy to determine whether it contains classified information prior to dissemination. For information which is not addressed in classification/declassification guidance, but whose sensitivity appears to warrant classification, the contractor or subcontractor shall ensure that such information is reviewed by a Federal Government Original Classifier.

In addition, the contractor or subcontractor shall ensure that existing classified documents (containing either Restricted Data or Formerly Restricted Data or National Security Information) which are in its possession or under its control are periodically reviewed by a Federal Government or Contractor Derivative Declassifier in accordance with classification regulations, mandatory DOE directives and classification/ declassification guidance furnished to the contractor by the Department of Energy to determine if the documents are no longer appropriately classified. Priorities for declassification review of classified documents shall be based on the degree of public and researcher interest and the likelihood of declassification upon review. Documents which no longer contain classified information are to be declassified. Declassified documents then shall be reviewed to determine if they are publicly releasable. Documents which are declassified and determined to be publicly releasable are to be made available to the public in order to maximize the public's access to as much Government information as possible while minimizing security costs.

The contractor or subcontractor shall insert this clause in any subcontract which involves or may involve access to classified information.

I-12. 952.204-74 Foreign Ownership, Control, or Influence over Contractor (Apr 1984)

(a) For purposes of this clause, a foreign interest is defined as any of the following:

(1) A foreign government or foreign government agency;

(2) Any form of business enterprise organized under the laws of any country other than the United States or its possessions;

(3) Any form of business enterprise organized or incorporated under the laws of the U.S., or a State or other jurisdiction within the U.S., which is owned, controlled, or influenced by a foreign government, agency, firm, corporation or person; or

(4) Any person who is not a U.S. citizen.

(b) Foreign ownership, control, or influence (FOCI) means the situation where the degree of ownership, control, or influence over a contractor by a foreign interest is such that a reasonable basis exists for concluding that compromise of classified information, special nuclear material as defined in 10 CFR Part 710, may result.

(c) For purposes of this clause, subcontractor means any subcontractor at any tier and the term "contracting officer" shall mean DOE contracting officer. When this clause is included in a subcontract, the term "contractor" shall mean subcontractor and the term "contract" shall mean subcontract.

(d) The contractor shall immediately provide the contracting officer written notice of any changes in the extent and nature of FOCI over the contractor which would affect the answers to the questions presented in DEAR 952.204-73. Further, notice of changes in ownership or control which are required to be reported to the Securities and Exchange Commission, the Federal Trade Commission, or the Department of Justice shall also be furnished concurrently to the contracting officer.

(e) In those cases where a contractor has changes involving FOCI, the DOE must determine whether the changes will pose an undue risk to the common defense and security. In making this determination, the contracting officer shall consider proposals made by the contractor to avoid or mitigate foreign influences.

(f) If the contracting officer at any time determines that the contractor is, or is potentially, subject to FOCI, the contractor shall comply with such instructions as the contracting officer shall provide in writing to safeguard any classified information or significant quantity of special nuclear material.

(g) The contractor agrees to insert terms that conform substantially to the language of this clause including this paragraph (g) in all subcontracts under this contract that will require access to classified information or a significant quantity of special nuclear material. Additionally, the contractor shall require such subcontractors to submit a completed certification required in DEAR 952.204-73 prior to award of a subcontract. Information to be provided by a subcontractor pursuant to this clause may be submitted directly to the contracting officer.

(h) Information submitted by the contractor or any affected subcontractor as required pursuant to this clause shall be treated by DOE to the extent permitted by law, as business or financial information submitted in confidence to be used solely for purposes of evaluating FOCI.

(i) The requirements of this clause are in addition to the requirement that a contractor obtain and retain the security clearances required by the contract. This clause shall not operate as a limitation on DOE's rights, including its rights to terminate this contract.

(j) The contracting officer may terminate this contract for default either if the contractor fails to meet obligations imposed by this clause, e.g., provide the information required by this clause, comply with the contracting officer's instructions about safeguarding classified information, or make this clause applicable to subcontractors, or if, in the contracting officer's judgment, the contractor creates an FOCI situation in order to avoid performance or a termination for default. The contracting officer may terminate this contract for convenience if the contractor becomes subject to FOCI and for reasons other than avoidance of performance of the contract, cannot, or chooses not to, avoid or mitigate the FOCI problem.

I-13. 952.208-7 Tagging of Leased Vehicles (Apr 1984)

(a) DOE intends to use U.S. Government license tags.

(b) While it is the intention that vehicles leased hereunder shall operate on Federal tags, the DOE reserves the right to utilize State tags if necessary to accomplish its mission. Should State tags be required, the contractor shall furnish the DOE the documentation required by the State to acquire such tags.

I-14. 52.209-6 Protecting the Government's Interest When Subcontracting with Contractors Debarred, Suspended, or Proposed for Debarment (Jul 1995)

(a) The Government suspends or debars Contractors to protect the Government's interests. The Contractor shall not enter into any subcontract in excess of $25,000 with a Contractor that is debarred, suspended, or proposed for debarment unless there is a compelling reason to do so.

(b) The Contractor shall require each proposed first-tier subcontractor, whose subcontract will exceed $25,000, to disclose to the Contractor, in writing, whether as of the time of award of the subcontract, the subcontractor, or its principals, is or is not debarred, suspended, or proposed for debarment by the Federal Government.

(c) A corporate officer or a designee of the Contractor shall notify the Contracting Officer, in writing, before entering into a subcontract with a party that is debarred, suspended, or proposed for debarment (see FAR 9.404 for information on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs). The notice must include the following:

(1) The name of the subcontractor.

(2) The Contractor's knowledge of the reasons for the subcontractor being on the List of Parties Excluded from Federal Procurement and Nonprocurement Programs.

(3) The compelling reason(s) for doing business with the subcontractor notwithstanding its inclusion on the List of Parties Excluded From Federal Procurement and Nonprocurement Programs.

(4) The systems and procedures the Contractor has established to ensure that it is fully protecting the Government's interests when dealing with such subcontractor in view of the specific basis for the party's debarment, suspension, or proposed debarment.

I-15. 952.209-72 Organizational Conflicts of Interest (Jun 1997) (Alternate I)

(a) *Purpose.* The purpose of this clause is to ensure that the Contractor (1) is not biased because of its financial, contractual, organizational, or other interests which relate to the work under this contract, and (2) does not obtain any unfair competitive advantage over other parties by virtue of its performance of this contract.

(b) *Scope.* The restrictions described herein shall apply to performance or participation by the Contractor and any of its affiliates or their successors in interest (hereinafter collectively referred to as "Contractor") in the activities covered by this clause as a Prime Contractor, Subcontractor, co-sponsor, joint venturer, consultant, or in any similar capacity. For the purpose of this clause, affiliation occurs when a business concern is controlled by or has the power to control another or when a third party has the power to control both.

(1) *Use of Contractor's Work Product.*

(i) The Contractor shall be ineligible to participate in any capacity in Department contracts, subcontracts, or proposals therefore (solicited and unsolicited) which stem directly from the Contractor's performance of work under this contract for a period of five years after the completion of this contract. Furthermore, unless so directed in writing by the Contracting Officer, the Contractor shall not perform any advisory and assistance services work under this contract

on any of its products or services or the products or services of another firm if the Contractor is or has been substantially involved in their development or marketing. Nothing in this subparagraph shall preclude the Contractor from competing for follow-on contracts for advisory and assistance services.

(ii) If, under this contract, the Contractor prepares a complete or essentially complete statement of work or specifications to be used in competitive acquisitions, the Contractor shall be ineligible to perform or participate in any capacity in any contractual effort which is based on such statement of work or specifications. The Contractor shall not incorporate its products or services in such statement of work or specifications unless so directed in writing by the Contracting Officer, in which case the restriction in this subparagraph shall not apply.

(iii) Nothing in this paragraph shall preclude the Contractor from offering or selling its standard and commercial items to the Government.

(2) *Access to and use of information.*

(i) If the Contractor, in the performance of this contract, obtains access to information, such as, department plans, policies, reports, studies, financial plans, internal data protected by the Privacy Act of 1974 (5 U.S.C. 552a) or, data which has not been released or otherwise made available to the public, the Contractor agrees that without prior written approval of the Contracting Officer it shall not:

(A) use such information for any private purpose unless the information has been released or otherwise made available to the public;

(B) compete for work for the Department based on such information (6) months after either the completion of this contract or until such information is released or otherwise made available to the public, whichever is first;

(C) submit an unsolicited proposal to the Government which is based on such information until one year after such information is released or otherwise made available to the public; and

(D) release such information unless such information has previously been released or otherwise made available to the public by the Department.

(ii) In addition, the Contractor agrees that to the extent it receives or is given access to proprietary data, data protected by the Privacy Act of 1974 (5 U.S.C. 552a), or other confidential or privileged technical, business, or financial information under this contract, it shall treat such information in accordance with any restrictions imposed on such information.

(iii) The Contractor may use technical data it first produces under this contract for its private purposes consistent with subparagraphs (b)(2)(i)(A) and (D) of this clause and the patent, rights in data, and security provisions of this contract.

(c) *Disclosure After Award.*

(l) The Contractor agrees that, if changes, including additions, to the facts disclosed by it prior to award of this contract, occur during the performance of this contract, it shall make an immediate and full disclosure of such changes in writing to the Contracting Officer. Such disclosure may include a description of any action which the Contractor has taken or proposes to take to avoid, neutralize, or mitigate any resulting conflict of interest. The Department, however, may terminate the contract for convenience if it deems such termination to be in the best interest of the Government.

(2) In the event that the Contractor was aware of facts required to be disclosed or the existence of an actual or potential organizational conflict of interest and did not disclose such facts or such conflict of interest to the Contracting Officer, DOE may terminate this contract for default.

(d) *Remedies.*

For breach of any of the above restrictions or for nondisclosure or misrepresentation of any facts required to be disclosed concerning this contract, including the existence of an actual or potential organizational conflict of interest at the time of or after award, the Government may terminate the contract for default, disqualify the Contractor from subsequent related contractual efforts, and pursue such other remedies as may be permitted by law or this contract.

(e) *Waiver.*

Requests for waiver under this clause shall be directed in writing to the Contracting Officer and shall include a full description of the requested waiver and the reasons in support thereof. If it is determined to be in the best interests of the Government, the Contracting Officer may grant such a waiver in writing.

(f) *Subcontract.*

(1) The Contractor shall include a clause, substantially similar to this clause, including this paragraph (f), in subcontracts expected to exceed the simplified acquisition threshold determined in accordance with FAR Part 13 and involving performance of advisory and assistance services as that term is defined at FAR 37.201. The terms "Contract," "Contractor," and "Contracting Officer" shall be appropriately modified to preserve the Government's rights.

(2) Prior to the award under this contract of any such subcontracts for advisory and assistance services, the Contractor shall obtain from the proposed subcontractor or consultant the disclosure required by DEAR 909.507-1, and shall determine in writing whether the interests disclosed present an actual or significant potential for an organizational conflict of interest. Where an actual or significant potential organizational conflict of interest is identified, the Contractor shall take actions to avoid, neutralize, or mitigate the organizational conflict to the satisfaction of the Contractor. If the conflict cannot be avoided or neutralized, the Contractor must obtain the approval of the DOE Contracting Officer prior to entering into the subcontract.

I-16. 52.215-8 Order of Precedence—Uniform Contract Format (Oct 1997)

Any inconsistency in this solicitation or contract shall be resolved by giving precedence in the following order:

(a) The Schedule (excluding the specifications).

(b) Representations and other instructions.

(c) Contract clauses.

(d) Other documents, exhibits, and attachments.

(e) The specifications.

I-17. 52.215-10 Price Reduction for Defective Cost or Pricing Data (Oct 1997)

(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 amount because —

(1) The Contractor or a subcontractor furnished cost or pricing data that were not complete, accurate, and current as certified in its Certificate of Current Cost or Pricing Data;

(2) A subcontractor or prospective subcontractor furnished the Contractor cost or pricing data that were not complete, accurate, and current as certified in the Contractor's Certificate of Current Cost or Pricing Data; or

(3) Any of these parties furnished data of any description that were not accurate, the price or cost shall be reduced accordingly and the contract shall be modified to reflect the reduction.

(b) Any reduction in the contract price under paragraph (a) of this clause due to defective data from a prospective subcontractor that was not subsequently awarded the subcontract shall be limited to the amount, plus applicable overhead and profit markup, by which —

(1) The actual subcontract; or

(2) The actual cost to the Contractor, if there was no subcontract, was less than the prospective subcontract cost estimate submitted by the Contractor; provided, that the actual subcontract price was not itself affected by defective cost or pricing data.

(c) (1) If the Contracting Officer determines under paragraph (a) of this clause that a price or cost reduction should be made, the Contractor agrees not to raise the following matters as a defense:

(i) The Contractor or subcontractor was a sole source supplier or otherwise was in a superior bargaining position and thus the price of the contract would not have been modified even if accurate, complete, and current cost or pricing data had been submitted.

(ii) The Contracting Officer should have known that the cost or pricing data in issue were defective even though the Contractor or subcontractor took no affirmative action to bring the character of the data to the attention of the Contracting Officer.

(iii) The contract was based on an agreement about the total cost of the contract and there was no agreement about the cost of each item procured under the contract.

(iv) The Contractor or subcontractor did not submit a Certificate of Current Cost or Pricing Data.

(2) (i) Except as prohibited by subdivision (c)(2)(ii) of this clause, an offset in an amount determined appropriate by the Contracting Officer based upon the facts shall be allowed against the amount of a contract price reduction if —

(A) The Contractor certifies to the Contracting Officer that, to the best of the Contractor's knowledge and belief, the Contractor is entitled to the offset in the amount requested; and

(B) The Contractor proves that the cost or pricing data were available before the "as of" date specified on its Certificate of Current Cost or Pricing Data, and that the data were not submitted before such date.

(ii) An offset shall not be allowed if —

(A) The understated data were known by the Contractor to be understated before the "as of" date specified on its Certificate of Current Cost or Pricing Data; or

(B) The Government proves that the facts demonstrate that the contract price would not have increased in the amount to be offset even if the available data had been submitted before the "as of" date specified on its Certificate of Current Cost or Pricing Data.

(d) If any reduction in the contract price under this clause reduces the price of items for which payment was made prior to the date of the modification reflecting the price reduction, the Contractor shall be liable to and shall pay the United States at the time such overpayment is repaid —

(1) Simple interest on the amount of such overpayment to be computed from the date(s) of overpayment to the Contractor to the date the Government is repaid by the Contractor at the applicable underpayment rate effective for each quarter prescribed by the Secretary of the Treasury under 26 U.S.C. 6621(a)(2); and

(2) A penalty equal to the amount of the overpayment, if the Contractor or subcontractor knowingly submitted cost or pricing data that were incomplete, inaccurate, or noncurrent.

I-18. 52.215-11 Price Reduction for Defective Cost or Pricing Data—Modifications (Oct 1997)

(a) This clause shall become operative only for any modification to this contract involving a pricing adjustment expected to exceed the threshold for submission of cost or pricing data at FAR 15.403-4, except that this clause does not apply to any modification if an exception under FAR 15.403-1 applies.

(b) If any price, including profit or fee, negotiated in connection with any modification under this clause, or any cost reimbursable under this contract, was

increased by any significant amount because (1) the Contractor or a subcontractor furnished cost or pricing data that were not complete, accurate, and current as certified in its Certificate of Current Cost or Pricing Data, (2) a subcontractor or prospective subcontractor furnished the Contractor cost or pricing data that were not complete, accurate, and current as certified in the Contractor's Certificate of Current Cost or Pricing Data, or (3) any of these parties furnished data of any description that were not accurate, the price or cost shall be reduced accordingly and the contract shall be modified to reflect the reduction. This right to a price reduction is limited to that resulting from defects in data relating to modifications for which this clause becomes operative under paragraph (a) of this clause.

(c) Any reduction in the contract price under paragraph (b) of this clause due to defective data from a prospective subcontractor that was not subsequently awarded the subcontract shall be limited to the amount, plus applicable overhead and profit markup, by which —

(1) The actual subcontract; or

(2) The actual cost to the Contractor, if there was no subcontract, was less than the prospective subcontract cost estimate submitted by the Contractor; provided, that the actual subcontract price was not itself affected by defective cost or pricing data.

(d) (1) If the Contracting Officer determines under paragraph (b) of this clause that a price or cost reduction should be made, the Contractor agrees not to raise the following matters as a defense:

(i) The Contractor or subcontractor was a sole source supplier or otherwise was in a superior bargaining position and thus the price of the contract would not have been modified even if accurate, complete, and current cost or pricing data had been submitted.

(ii) The Contracting Officer should have known that the cost or pricing data in issue were defective even though the Contractor or subcontractor took no affirmative action to bring the character of the data to the attention of the Contracting Officer.

(iii) The contract was based on an agreement about the total cost of the contract and there was no agreement about the cost of each item procured under the contract.

(iv) The Contractor or subcontractor did not submit a Certificate of Current Cost or Pricing Data.

(2) (i) Except as prohibited by paragraph (d)(2)(ii) of this clause, an offset in an amount determined appropriate by the Contracting Officer based

upon the facts shall be allowed against the amount of a contract price reduction if —

(A) The Contractor certifies to the Contracting Officer that, to the best of the Contractor's knowledge and belief, the Contractor is entitled to the offset in the amount requested; and

(B) The Contractor proves that the cost or pricing data were available before the "as of" date specified on its Certificate of Current Cost or Pricing Data, and that the data were not submitted before such date.

(ii) An offset shall not be allowed if —

(A) The understated data were known by the Contractor to be understated before the "as of" date specified on its Certificate of Current Cost or Pricing Data; or

(B) The Government proves that the facts demonstrate that the contract price would not have increased in the amount to be offset even if the available data had been submitted before the "as of" date specified on its Certificate of Current Cost or Pricing Data.

(e) If any reduction in the contract price under this clause reduces the price of items for which payment was made prior to the date of the modification reflecting the price reduction, the Contractor shall be liable to and shall pay the United States at the time such overpayment is repaid —

(1) Simple interest on the amount of such overpayment to be computed from the date(s) of overpayment to the Contractor to the date the Government is repaid by the Contractor at the applicable underpayment rate effective for each quarter prescribed by the Secretary of the Treasury under 26 U.S.C. 6621(a)(2); and

(2) A penalty equal to the amount of the overpayment, if the Contractor or subcontractor knowingly submitted cost or pricing data that were incomplete, inaccurate, or noncurrent.

I-19. 52.215-12 Subcontractor Cost or Pricing Data (Oct 1997)

(a) Before awarding any subcontract expected to exceed the threshold for submission of cost or pricing data at FAR 15.403-4, on the date of agreement on price or the date of award, whichever is later; or before pricing any subcontract modification involving a pricing adjustment expected to exceed the threshold for submission of cost or pricing data at FAR 15.403-4, the Contractor shall require the

subcontractor to submit cost or pricing data (actually or by specific identification in writing), unless an exception under FAR 15.403-1 applies.

(b) The Contractor shall require the subcontractor to certify in substantially the form prescribed in FAR 15.406-2 that, to the best of its knowledge and belief, the data submitted under paragraph (a) of this clause were accurate, complete, and current as of the date of agreement on the negotiated price of the subcontract or subcontract modification.

(c) In each subcontract that exceeds the threshold for submission of cost or pricing data at FAR 15.403-4, when entered into, the Contractor shall insert either —

(1) The substance of this clause, including this paragraph (c), if paragraph (a) of this clause requires submission of cost or pricing data for the subcontract; or

(2) The substance of the clause at FAR 52.215-13, Subcontractor Cost or Pricing Data—Modifications.

I-20. 52.215-13 Subcontractor Cost or Pricing Data—Modifications (Oct 1997)

(a) The requirements of paragraphs (b) and (c) of this clause shall —

(1) Become operative only for any modification to this contract involving a pricing adjustment expected to exceed the threshold for submission of cost or pricing data at FAR 15.403-4; and

(2) Be limited to such modifications.

(b) Before awarding any subcontract expected to exceed the threshold for submission of cost or pricing data at FAR 15.403-4, on the date of agreement on price or the date of award, whichever is later; or before pricing any subcontract modification involving a pricing adjustment expected to exceed the threshold for submission of cost or pricing data at FAR 15.403-4, the Contractor shall require the subcontractor to submit cost or pricing data (actually or by specific identification in writing), unless an exception under FAR 15.403-1 applies.

(c) The Contractor shall require the subcontractor to certify in substantially the form prescribed in FAR 15.406-2 that, to the best of its knowledge and belief, the data submitted under paragraph (b) of this clause were accurate, complete, and current as of the date of agreement on the negotiated price of the subcontract or subcontract modification.

(d) The Contractor shall insert the substance of this clause, including this paragraph (d), in each subcontract that exceeds the threshold for submission of cost or pricing data at FAR 15.403-4 on the date of agreement on price or the date of award, whichever is later.

I-21. 952.217-70 Acquisition of Real Property (Apr 1984)

(a) Notwithstanding any other provision of the contract, the prior approval of the Contracting Officer shall be obtained when, in performance of this contract, the Contractor acquires or proposes to acquire use of real property by:

(1) Purchase, on the Government's behalf or in the Contractor's own name, with title eventually vesting in the Government.

(2) Lease, and the Government assumes liability for, or will otherwise pay for the obligation under the lease as a reimbursable contract cost.

(3) Acquisition of temporary interest through easement, license or permit, and the Government funds the entire cost of the temporary interest.

(b) Justification of and execution of any real property acquisitions shall be in accordance and compliance with directions provided by the Contracting Officer.

(c) The substance of this clause, including this paragraph (c), shall be included in any subcontract occasioned by this contract under which property described in paragraph (a) of this clause shall be acquired.

I-22. 52.219-4 Notice of Price Evaluation for HUBZone Small Business Concerns (Jan 1999)

(a) *Definition.* HUBZone small business concern, as used in this clause, means a small business concern that appears on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration.

(b) *Evaluation preference.*

(1) Offers will be evaluated by adding a factor of 10 percent to the price of all offers, except —

(i) Offers from HUBZone small business concerns that have not waived the evaluation preference;

(ii) Otherwise successful offers from small business concerns;

(iii) Otherwise successful offers of eligible products under the Trade Agreements Act when the dollar threshold for application of the Act is exceeded [see 25.402 of the Federal Acquisition Regulation (FAR)]; and

(iv) Otherwise successful offers where application of the factor would be inconsistent with a Memorandum of Understanding or other international agreement with a foreign government.

(2) The factor of 10 percent shall be applied on a line item basis or to any group of items on which award may be made. Other evaluation factors described in the solicitation shall be applied before application of the factor.

(3) A concern that is both a HUBZone small business concern and a small disadvantaged business concern will receive the benefit of both the HUBZone small business price evaluation preference and the small disadvantaged business price evaluation adjustment (see FAR clause 52.219-23). Each applicable price evaluation preference or adjustment shall be calculated independently against an offeror's base offer. These individual preference amounts shall be added together to arrive at the total evaluated price for that offer.

(c) Waiver of evaluation preference. A HUBZone small business concern may elect to waive the evaluation preference, in which case the factor will be added to its offer for evaluation purposes. The agreements in paragraph (d) of this clause do not apply if the offeror has waived the evaluation preference.

— Offer elects to waive the evaluation preference.

(d) Agreement. A HUBZone small business concern agrees that in the performance of the contract, in the case of a contract for

(1) Services (except construction), at least 50 percent of the cost of personnel for contract performance will be spent for employees of the concern or employees of other HUBZone small business concerns;

(2) Supplies (other than procurement from a nonmanufacturer of such supplies), at least 50 percent of the cost of manufacturing, excluding the cost of materials, will be performed by the concern or other HUBZone small business concerns;

(3) General construction, at least 15 percent of the cost of the contract performance incurred for personnel will be spent on the concern's employees or the employees of other HUBZone small business concerns; or

(4) Construction by special trade contractors, at least 25 percent of the cost of the contract performance incurred for personnel will be spent on the concern's employees or the employees of other HUBZone small business concerns.

(e) A HUBZone joint venture agrees that in the performance of the contract, the applicable percentage specified in paragraph (d) of this clause will be performed by the HUBZone small business participant or participants;

(f) A HUBZone small business concern nonmanufacturer agrees to furnish in performing this contract only end items manufactured or produced by HUBZone small business manufacturer concerns. This paragraph does not apply in connection with construction or service contracts.

I-23. 52.219-8 Utilization of Small Business Concerns (Oct 2000)

M058
07/31/2002

(a) It is the policy of the United States that small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small business concerns, HUBZone small business concerns, small disadvantaged business concerns, and women-owned small business concerns shall have the maximum practicable opportunity to participate in performing contracts let by any Federal agency, including contracts and subcontracts for subsystems, assemblies, components, and related services for major systems. It is further the policy of the United States that its prime contractors establish procedures to ensure the timely payment of amounts due pursuant to the terms of their subcontracts with small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small business concerns, HUBZone small business concerns, small disadvantaged business concerns, and women-owned small business concerns.

(b) The Contractor hereby agrees to carry out this policy in the awarding of subcontracts to the fullest extent consistent with efficient contract performance. The Contractor further agrees to cooperate in any studies or surveys as may be conducted by the United States Small Business Administration or the awarding agency of the United States as may be necessary to determine the extent of the Contractor's compliance with this clause

(c) Definitions As used in this contract —

(1) "HUBZone small business concern" means a small business concern that appears on the List of Qualified HUBZone Small Business Concerns maintained by the Small Business Administration.

(2) Service-disabled veteran-owned small business concern means a small business concern —

(i) Not less than 51 percent of which is owned by one or more service-disabled veterans or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more service-disabled veterans; and

(ii) The management and daily business operations of which are controlled by one or more service-disabled veterans or, in the case of a veteran with permanent and severe disability, the spouse or permanent caregiver of such veteran.

(3) Service-disabled veteran means a veteran, as defined in 38 U.S.C. 101(2), with a disability that is service-connected, as defined in 38 U.S.C. 101(16).

(4) "Small business concern" means a small business as defined pursuant to Section 3 of the Small Business Act and relevant regulations promulgated pursuant thereto.

(5) "Small disadvantaged business concern" means a small business concern that represents, as part of its offer that —

(i) It has received certification as a small disadvantaged business concern consistent with 13 CFR part 124, Subpart B;

(ii) No material change in disadvantaged ownership and control has occurred since its certification;

(iii) Where the concern is owned by one or more individuals, the net worth of each individual upon whom the certification is based does not exceed $750,000 after taking into account the applicable exclusions set forth at 13 CFR 124.104(c)(2); and

(iv) It is identified, on the date of its representation, as a certified small disadvantaged business in the database maintained by the Small Business Administration (PRO-Net).

(6) Veteran-owned small business concern" means a small business concern —

(i) Not less than 51 percent of which is owned by one or more veterans [as defined at 38 U.S.C. 101(2)] or, in the case of any publicly owned business, not less than 51 percent of the stock of which is owned by one or more veterans; and

(ii) The management and daily business operations of which are controlled by one or more veterans.

(7) "Women-owned small business concern" means a small business concern-

(i) That is at least 51 percent owned by one or more women, or, in the case of any publicly owned business, at least 51 percent of the stock of which is owned by one or more women; and

(ii) Whose management and daily business operations are controlled by one or more women.

(d) Contractors acting in good faith may rely on written representations by their subcontractors regarding their status as a small business concern, a veteran-owned small business concern, a service-disabled veteran-owned small business concern, a HUBZone small business concern, a small disadvantaged business concern, or a women-owned small business concern.

I-24. 52.219-9 Small Business Subcontracting Plan (Oct 2000)

M058
07/31/2002

(a) This clause does not apply to small business concerns.

(b) Definitions As used in this clause —

"Commercial item" means a product or service that satisfies the definition of commercial item in section 2.101 of the Federal Acquisition Regulation.

"Commercial plan" means a subcontracting plan (including goals) that covers the offeror's fiscal year and that applies to the entire production of commercial items sold by either the entire company or a portion thereof e.g., division, plant, or product line).

"Individual contract plan" means a subcontracting plan that covers the entire contract period (including option periods), applies to a specific contract, and has goals that are based on the offeror's planned subcontracting in support of the specific contract, except that indirect costs incurred for common or joint purposes may be allocated on a prorated basis to the contract.

"Master plan" means a subcontracting plan that contains all the required elements of an individual contract plan, except goals, and may be incorporated into individual contract plans, provided the master plan has been approved.

"Subcontract" means any agreement (other than one involving an employer-employee relationship) entered into by a Federal Government prime Contractor or subcontractor calling for supplies or services required for performance of the contract or subcontract.

(c) The offeror, upon request by the Contracting Officer, shall submit and negotiate a subcontracting plan, where applicable, that separately addresses subcontracting with small business, veteran-owned small business, HUBZone small business concerns, small disadvantaged business, and women-owned small business concerns. If the offeror is submitting an individual contract plan, the plan must separately address subcontracting with small business, veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns, with a separate part for the basic contract and

separate parts for each option (if any). The plan shall be included in and made a part of the resultant contract. The subcontracting plan shall be negotiated within the time specified by the Contracting Officer. Failure to submit and negotiate the subcontracting plan shall make the offeror ineligible for award of a contract.

(d) The offeror's subcontracting plan shall include the following:

(1) Goals, expressed in terms of percentages of total planned subcontracting dollars, for the use of small business, veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns as subcontractors. Service-disabled veteran-owned small business concerns meet the definition of veteran-owned small business concerns, and offerors may include them within the subcontracting plan goal for veteran-owned small business concerns. A separate goal for service-disabled veteran-owned small business concerns is not required. The offeror shall include all subcontracts that contribute to contract performance, and may include a proportionate share of products and services that are normally allocated as indirect costs.

(2) A statement of —

(i) Total dollars planned to be subcontracted for an individual contract plan; or the offeror's total projected sales, expressed in dollars, and the total value of projected subcontracts to support the sales for a commercial plan;

(ii) Total dollars planned to be subcontracted to small business concerns;

(iii) Total dollars planned to be subcontracted to veteran-owned small business concerns;

(iv) Total dollars planned to be subcontracted to HUBZone small business concerns;

(v) Total dollars planned to be subcontracted to small disadvantaged business concerns; and

(vi) Total dollars planned to be subcontracted to women-owned small business concerns.

(3) A description of the principal types of supplies and services to be subcontracted, and an identification of the types planned for subcontracting to —

(i) Small business concerns;

(ii) Veteran-owned small business concerns;

(iii) HUBZone small business concerns;

(iv) Small disadvantaged business concerns; and

(v) Women-owned small business concerns.

(4) A description of the method used to develop the subcontracting goals in paragraph (d)(1) of this clause.

(5) A description of the method used to identify potential sources for solicitation purposes e.g., existing company source lists, the Procurement Marketing and Access Network (PRO-Net) of the Small Business Administration (SBA), veterans service organizations, the National Minority Purchasing Council Vendor Information Service, the Research and Information Division of the Minority Business Development Agency in the Department of Commerce, or small, HUBZone, small disadvantaged, and women-owned small business trade associations). A firm may rely on the information contained in PRO-Net as an accurate representation of a concern's size and ownership characteristics for the purposes of maintaining a small, veteran-owned small, HUBZone small, small disadvantaged, and women-owned small business source list. Use of PRO-Net as its source list does not relieve a firm of its responsibilities e.g., outreach, assistance, counseling, or publicizing subcontracting opportunities) in this clause.

(6) A statement as to whether or not the offeror included indirect costs in establishing subcontracting goals, and a description of the method used to determine the proportionate share of indirect costs to be incurred with —

(i) Small business concerns;

(ii) Veteran-owned small business concerns;

(iii) HUBZone small business concerns;

(iv) Small disadvantaged business concerns; and

(v) Women-owned small business concerns.

(7) The name of the individual employed by the offeror who will administer the offeror's subcontracting program, and a description of the duties of the individual.

(8) A description of the efforts the offeror will make to assure that small business, veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns have an equitable opportunity to compete for subcontracts.

(9) Assurances that the offeror will include the clause of this contract entitled "Utilization of Small Business Concerns" in all subcontracts that offer further subcontracting opportunities, and that the offeror will require all subcontractors (except small business concerns) that receive subcontracts in excess of $500,000 ($1,000,000 for construction of any public facility) to adopt a subcontracting plan that complies with the requirements of this clause.

(10) Assurances that the offeror will —

(i) Cooperate in any studies or surveys as may be required;

(ii) Submit periodic reports so that the Government can determine the extent of compliance by the offeror with the subcontracting plan;

(iii) Submit Standard Form (SF) 294, Subcontracting Report for Individual Contracts, and/or SF 295, Summary Subcontract Report, in accordance with paragraph (j) of this clause. The reports shall provide information on subcontract awards to small business concerns, veteran-owned small business concerns, service-disabled veteran-owned small business concerns, small disadvantaged business concerns, women-owned small business concerns, and Historically Black Colleges and Universities and Minority Institutions. Reporting shall be in accordance with the instructions on the form or as provided in agency regulations.

(iv) Ensure that its subcontractors agree to submit SF 294 and SF 295.

(11) A description of the types of records that will be maintained concerning procedures that have been adopted to comply with the requirements and goals in the plan, including establishing source lists; and a description of the offeror's efforts to locate small business, veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns and award subcontracts to them. The records shall include at least the following (on a plant-wide or company-wide basis, unless otherwise indicated):

(i) Source lists (e.g., PRO-Net), guides, and other data that identify small business, veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns.

(ii) Organizations contacted in an attempt to locate sources that are small business, veteran-owned small business, HUBZone small business, small disadvantaged business, or women-owned small business concerns.

(iii) Records on each subcontract solicitation resulting in an award of more than $100,000, indicating —

(A) Whether small business concerns were solicited and, if not, why not;

(B) Whether veteran-owned small business concerns were solicited and, if not, why not;

(C) Whether HUBZone small business concerns were solicited and, if not, why not;

(D) Whether small disadvantaged business concerns were solicited and, if not, why not;

(E) Whether women-owned small business concerns were solicited and, if not, why not; and

(F) If applicable, the reason award was not made to a small business concern.

(iv) Records of any outreach efforts to contact —

(A) Trade associations;

(B) Business development organizations;

(C) Conferences and trade fairs to locate small, HUBZone small, small disadvantaged, and women-owned small business sources; and

(D) Veterans service organizations.

(v) Records of internal guidance and encouragement provided to buyers through —

(A) Workshops, seminars, training, etc.; and

(B) Monitoring performance to evaluate compliance with the program's requirements

(vi) On a contract-by-contract basis, records to support award data submitted by the offeror to the Government, including the name, address, and business size of each subcontractor. Contractors having commercial plans need not comply with this requirement.

(e) In order to effectively implement this plan to the extent consistent with efficient contract performance, the Contractor shall perform the following functions:

(1) Assist small business, veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns by arranging solicitations, time for the preparation of bids, quantities, specifications, and delivery schedules so as to facilitate the participation by such concerns. Where the Contractor's lists of potential small business, veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned 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.

(2) Provide adequate and timely consideration of the potentialities of small business, veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business concerns in all "make-or-buy" decisions.

(3) Counsel and discuss subcontracting opportunities with representatives of small business, veteran-owned small business, HUBZone small business, small disadvantaged business, and women-owned small business firms.

(4) Provide notice to subcontractors concerning penalties and remedies for misrepresentations of business status as small, veteran-owned small business, HUBZone small, small disadvantaged, or women-owned small business for the purpose of obtaining a subcontract that is to be included as part or all of a goal contained in the Contractor's subcontracting plan.

(f) A master plan on a plant or division-wide basis that contains all the elements required by paragraph (d) of this clause, except goals, may be incorporated by reference as a part of the subcontracting plan required of the offeror by this clause; provided —

(1) The master plan has been approved;

(2) The offeror ensures that the master plan is updated as necessary and provides copies of the approved master plan, including evidence of its approval, to the Contracting Officer; and

(3) Goals and any deviations from the master plan deemed necessary by the Contracting Officer to satisfy the requirements of this contract are set forth in the individual subcontracting plan.

(g) A commercial plan is the preferred type of subcontracting plan for contractors furnishing commercial items. The commercial plan shall relate to the offeror's

planned subcontracting generally, for both commercial and Government business, rather than solely to the Government contract. Commercial plans are also preferred for subcontractors that provide commercial items under a prime contract, whether or not the prime contractor is supplying a commercial item.

(h) Prior compliance of the offeror with other such subcontracting plans under previous contracts will be considered by the Contracting Officer in determining the responsibility of the offeror for award of the contract.

(i) The failure of the Contractor or subcontractor to comply in good faith with —

(1) The clause of this contract entitled "Utilization Of Small Business Concerns;" or

(2) An approved plan required by this clause, shall be a material breach of the contract.

(j) The Contractor shall submit the following reports:

(1) Standard Form 294, Subcontracting Report for Individual Contracts. This report shall be submitted to the Contracting Officer semiannually and at contract completion. The report covers subcontract award data related to this contract. This report is not required for commercial plans.

(2) Standard Form 295, Summary Subcontract Report. This report encompasses all of the contracts with the awarding agency. It must be submitted semi-annually for contracts with the Department of Defense and annually for contracts with civilian agencies. If the reporting activity is covered by a commercial plan, the reporting activity must report annually all subcontract awards under that plan. All reports submitted at the close of each fiscal year (both individual and commercial plans) shall include a breakout, in the Contractor's format, of subcontract awards, in whole dollars, to small disadvantaged business concerns by North American Industry Classification System (NAICS) Industry Subsector. For a commercial plan, the Contractor may obtain from each of its subcontractors a predominant NAICS Industry Subsector and report all awards to that subcontractor under its predominant NAICS Industry Subsector.

I-25. 52.219-16 Liquidated Damages—Subcontracting Plan (Jan 1999)

(a) "*Failure to make a good faith effort to comply with the subcontracting plan,*" as used in this clause, means a willful or intentional failure to perform in accordance with the requirements of the subcontracting plan approved under the clause in this contract entitled "Small Business Subcontracting Plan," or willful or intentional action to frustrate the plan.

(b) Performance shall be measured by applying the percentage goals to the total actual subcontracting dollars or, if a commercial plan is involved, to the pro rata share of actual subcontracting dollars attributable to Government contracts covered by the commercial plan. If, at contract completion, or in the case of a commercial plan, at the close of the fiscal year for which the plan is applicable, the Contractor has failed to meet its subcontracting goals and the Contracting Officer decides in accordance with paragraph (c) of this clause that the Contractor failed to make a good faith effort to comply with its subcontracting plan, established in accordance with the clause in this contract entitled "Small Business Subcontracting Plan," the Contractor shall pay the Government liquidated damages in an amount stated. The amount of probable damages attributable to the Contractor's failure to comply, shall be an amount equal to the actual dollar amount by which the Contractor failed to achieve each subcontract goal.

(c) Before the Contracting Officer makes a final decision that the Contractor has failed to make such good faith effort, the Contracting Officer shall give the Contractor written notice specifying the failure and permitting the Contractor to demonstrate what good faith efforts have been made and to discuss the matter. Failure to respond to the notice may be taken as an admission that no valid explanation exists. If, after consideration of all the pertinent data, the Contracting Officer finds that the Contractor failed to make a good faith effort to comply with the subcontracting plan, the Contracting Officer shall issue a final decision to that effect and require that the Contractor pay the Government liquidated damages as provided in paragraph (b) of this clause.

(d) With respect to commercial plans; the Contracting Officer who approved the plan will perform the functions of the Contracting Officer under this clause on behalf of all agencies with contracts covered by that commercial plan.

(e) The Contractor shall have the right of appeal, under the clause in this contract entitled, Disputes, from any final decision of the Contracting Officer.

(f) Liquidated damages shall be in addition to any other remedies that the Government may have.

I-26. 52.222-1 Notice to the Government of Labor Disputes (Feb 1997)

If 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, including all relevant information, to the Contracting Officer.

I-27. 52.222-3 Convict Labor (Aug 1996)

The Contractor agrees not to employ in the performance of this contract any person undergoing a sentence of imprisonment which has been imposed by any court of a State, the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands,

Guam, American Samoa, the Commonwealth of the Northern Mariana Islands, or the Trust Territory of the Pacific Islands. This limitation, however, shall not prohibit the employment by the Contractor in the performance of this contract of persons on parole or probation to work at paid employment during the term of their sentence or persons who have been pardoned or who have served their terms. Nor shall it prohibit the employment by the Contractor in the performance of this contract of persons confined for violation of the laws of any of the States, the District of Columbia, the Commonwealth of Puerto Rico, the Virgin Islands, Guam, American Samoa, the Commonwealth of the Northern Mariana Islands, or the Trust Territory of the Pacific Islands who are authorized to work at paid employment in the community under the laws of such jurisdiction, if —

(1) The worker is paid or is in an approved work training program on a voluntary basis;

(2) Representatives of local union central bodies or similar labor union organizations have been consulted;

(3) Such paid employment will not result in the displacement of employed workers, or be applied in skills, crafts, or trades in which there is a surplus of available gainful labor in the locality, or impair existing contracts for services; and

(4) The rates of pay and other conditions of employment will not be less than those paid or provided for work of a similar nature in the locality in which the work is being performed; and

(b) The Attorney General of the United States has certified that the work-release laws or regulations of the jurisdiction involved are in conformity with the requirements of Executive Order 11755, as amended by Executive Orders 12608 and 12943.

I-28. 52.222-4 Contract Work Hours and Safety Standards Act—Overtime Compensation (Jul 1995)

(a) *Overtime requirements*. No Contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics (see Federal Acquisition Regulation (FAR) 22.300) shall require or permit any such laborers or mechanics in any workweek in which the individual is employed on such work to work in excess of 40 hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than 1 2 times the basic rate of pay for all hours worked in excess of 40 hours in such workweek.

(b) *Violation; liability for unpaid wages; liquidated damages*. In the event of any violation of the provisions set forth in paragraph (a) of this clause, the Contractor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such Contractor and subcontractor shall be liable to the United States

(in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic employed in violation of the provisions set forth in paragraph (a) of this clause in the sum of $10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of 40 hours without payment of the overtime wages required by provisions set forth in paragraph (a) of this clause.

(c) *Withholding for unpaid wages and liquidated damages*. The Contracting Officer shall upon his or her own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the Contractor or subcontractor under any such contract or any other Federal contract with the same Prime Contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act which is held by the same Prime Contractor, such sums as may 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 set forth in paragraph (b) of this clause.

(d) *Payrolls and basic records.*

(1) The Contractor or subcontractor shall maintain payrolls and basic payroll records during the course of contract work and shall preserve them for a period of 3 years from the completion of the contract for all laborers and mechanics working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Nothing in this paragraph shall require the duplication of records required to be maintained for construction work by Department of Labor regulations at 29 CFR 5.5(a)(3) implementing the Davis-Bacon Act.

(2) The records to be maintained under paragraph (d)(1) of this clause shall be made available by the Contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the Contracting Officer or the Department of Labor. The Contractor or subcontractor shall permit such representatives to interview employees during working hours on the job.

(e) *Subcontracts*. The Contractor or subcontractor shall insert in any subcontracts exceeding $100,000 the provisions set forth in paragraphs (a) through (e) of this clause and also a clause requiring the subcontractors to include these provisions in any lower tier subcontracts. The Prime Contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the provisions set forth in paragraphs (a) through (e) of this clause.

NOTE: The following Federal Acquisition Regulation Clauses 52.222-6 through 52.222-17 apply only to construction work performed under the contract.

I-29. 52.222-6 Davis-Bacon Act (Feb 1995)

(a) All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR Part 3), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the Contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (d) of this clause; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such period. Such laborers and mechanics shall be paid not less than the appropriate wage rate and fringe benefits in the wage determination for the classification of work actually performed, without regard to skill, except as provided in the clause entitled Apprentices and Trainees. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein; provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph (b) of this clause) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the Contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

(b) (1) The Contracting Officer shall require that any class of laborers or mechanics which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The Contracting Officer shall approve an additional classification and wage rate and fringe benefits therefore only when all the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination.

(ii) The classification is utilized in the area by the construction industry.

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) If the Contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the Contracting Officer agree on the classification and wage rate (including the amount designated for fringe benefits, where appropriate), a report of the action taken shall be sent by the Contracting Officer to the Administrator of the:

Wage and Hour Division
Employment Standards Administration
U.S. Department of Labor
Washington, DC 20210

The Administrator or an authorized representative will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the Contracting Officer or will notify the Contracting Officer within the 30-day period that additional time is necessary.

(3) In the event the Contractor, the laborers or mechanics to be employed in the classification, or their representatives, and the Contracting Officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the Contracting Officer shall refer the questions, including the views of all interested parties and the recommendation of the Contracting Officer, to the Administrator of the Wage and Hour Division for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the Contracting Officer or will notify the Contracting Officer within the 30-day period that additional time is necessary.

(4) The wage rate (including fringe benefits, where appropriate) determined pursuant to subparagraphs (b)(2) and (b)(3) of this clause shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

(c) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the Contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(d) If the Contractor does not make payments to a trustee or other third person, the Contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program; provided, that the Secretary of Labor has found, upon

the written request of the Contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the Contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

I-30. 52.222-7 Withholding of Funds (Feb 1988)

The Contracting Officer shall, upon his or her own action or upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the Contractor under this contract or any other Federal contract with the same Prime Contractor, or any other federally assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same Prime Contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the Contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the Contracting Officer may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

I-31. 52.222-8 Payrolls and Basic Records (Feb 1988)

(a) Payrolls and basic records relating thereto shall be maintained by the Contractor during the course of the work and preserved for a period of 3 years thereafter for all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Whenever the Secretary of Labor has found, under paragraph (d) of the clause entitled Davis-Bacon Act, that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the Contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(b) (1) The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the Contracting Officer. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under paragraph (a) of this clause. This information may be submitted in any form desired. Optional Form WH-347 (Federal Stock Number 029-005-00014-1) is available for this purpose and may be purchased from the —

Superintendent of Documents
U.S. Government Printing Office
Washington, DC 20402

The Prime Contractor is responsible for the submission of copies of payrolls by all subcontractors.

(2) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the Contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify —

(i) That the payroll for the payroll period contains the information required to be maintained under paragraph (a) of this clause and that such information is correct and complete;

(ii) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in the Regulations, 29 CFR Part 3; and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(3) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by subparagraph (b)(2) of this clause.

(4) The falsification of any of the certifications in this clause may subject the Contractor or subcontractor to civil or criminal prosecution under Section 1001 of Title 18 and Section 3729 of Title 31 of the United States Code.

(c) The Contractor or subcontractor shall make the records required under paragraph (a) of this clause available for inspection, copying, or transcription by the Contracting Officer or authorized representatives of the Contracting Officer or the Department of Labor. The Contractor or subcontractor shall permit the Contracting Officer or representatives of the Contracting Officer or the Department of Labor to interview employees during working hours on the job. If the Contractor or subcontractor fails to submit required records or to make them available, the Contracting Officer may, after written notice to the Contractor, take such action as may be necessary to cause the suspension of any further payment. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

I-32. 52.222-9 Apprentices and Trainees (Feb 1988)

(a) *Apprentices*. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State Apprenticeship Agency recognized by the Bureau, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the Contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in this paragraph, shall be paid not less than the applicable wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the Contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Bureau of Apprenticeship

and Training, or a State Apprenticeship Agency recognized by the Bureau, withdraws approval of an apprenticeship program, the Contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(b) *Trainees*. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed in the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate in the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate in the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate in the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the Contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(c) *Equal employment opportunity*. The utilization of apprentices, trainees, and journeymen under this clause shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR Part 30.

I-33. 52.222-10 Compliance with Copeland Act Requirements (Feb 1988)

The Contractor shall comply with the requirements of 29 CFR Part 3, which are hereby incorporated by reference in this contract.

I-34. 52.222-11 Subcontracts (Labor Standards) (Feb 1988)

(a) The Contractor or subcontractor shall insert in any subcontracts the clauses entitled Davis-Bacon Act, Contract Work Hours and Safety Standards Act—Overtime Compensation, Apprentices and Trainees, Payrolls and Basic Records, Compliance with Copeland Act Requirements, Withholding of Funds, Subcontracts (Labor Standards), Contract Termination—Debarment, Disputes Concerning Labor Standards, Compliance with Davis-Bacon and Related Act Regulations, and Certification of Eligibility, and such other clauses as the Contracting Officer may, by appropriate instructions, require, and also a clause requiring subcontractors to include these clauses in any lower tier subcontracts. The Prime Contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with all the contract clauses cited in this paragraph.

(b) (1) Within 14 days after award of the contract, the Contractor shall deliver to the Contracting Officer a completed Statement and Acknowledgment Form (SF 1413) for each subcontract, including the subcontractor's signed and dated acknowledgment that the clauses set forth in paragraph (a) of this clause have been included in the subcontract.

(2) Within 14 days after the award of any subsequently awarded subcontract the Contractor shall deliver to the Contracting Officer an updated completed SF 1413 for such additional subcontract.

I-35. 52.222-12 Contract Termination—Debarment (Feb 1988)

A breach of the contract clauses entitled Davis-Bacon Act, Contract Work Hours and Safety Standards Act—Overtime Compensation, Apprentices and Trainees, Payrolls and Basic Records, Compliance with Copeland Act Requirements, Subcontracts (Labor Standards), Compliance with Davis-Bacon and Related Act Regulations, or Certification of Eligibility may be grounds for termination of the contract, and for debarment as a Contractor and subcontractor as provided in 29 CFR 5.12.

I-36. 52.222-13 Compliance with Davis-Bacon and Related Act Regulations (Feb 1988)

All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR Parts 1, 3, and 5 are hereby incorporated by reference in this contract.

I-37. 52.222-14 Disputes Concerning Labor Standards (Feb 1988)

The United States Department of Labor has set forth in 29 CFR Parts 5, 6, and 7 procedures for resolving disputes concerning labor standards requirements. Such disputes shall be resolved in accordance with those procedures and not the Disputes clause of this contract. Disputes within the meaning of this clause include disputes

between the Contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

I-38. 52.222-15 Certification of Eligibility (Feb 1988)

(a) By entering into this contract, the Contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the Contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(b) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(c) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

I-39. 52.222-16 Approval of Wage Rates (Feb 1988)

All straight time wage rates, and overtime rates based thereon, for laborers and mechanics engaged in work under this contract must be submitted for approval in writing by the head of the contracting activity or a representative expressly designated for this purpose, if the straight time wages exceed the rates for corresponding classifications contained in the applicable Davis-Bacon Act minimum wage determination included in the contract. Any amount paid by the Contractor to any laborer or mechanic in excess of the agency approved wage rate shall be at the expense of the Contractor and shall not be reimbursed by the Government. If the Government refuses to authorize the use of the overtime, the Contractor is not released from the obligation to pay employees at the required overtime rates for any overtime actually worked.

I-40. 52.222-17 Labor Standards for Construction Work—Facilities Contracts (Feb 1988)

(a) In the event that construction, alteration, or repair (including painting and decorating) of public buildings or public works is to be performed hereunder, the Contractor shall comply with the following listed clauses of the Federal Acquisition Regulation in performance of such work:

(1) Contract Work Hours and Safety Standards Act—Overtime Compensation at 52.222-4.
(2) Davis-Bacon Act at 52.222-6.
(3) Withholding of Funds at 52.222-7.
(4) Payrolls and Basic Records at 52.222-8.
(5) Apprentices and Trainees at 52.222-9.
(6) Compliance with Copeland Act Requirements at 52.222-10.

(7) Subcontracts (Labor Standards) at 52.222-11.
(8) Contract Termination—Debarment at 52.222-12.
(9) Compliance with Davis-Bacon and Related Act Regulations at 52.222-13.
(10) Disputes Concerning Labor Standards at 52.222-14.
(11) Certification of Eligibility at 52.222-15.

(b) Upon determination by the Contracting Officer that the Davis-Bacon Act is applicable to any item of work to be performed hereunder, a determination of the prevailing wage rates shall be incorporated into the contract by modification.

(c) No construction, alteration, or repair (including painting and decorating) of public buildings or public works shall be performed under this contract without incorporation of the wage determination unless the Contracting Officer authorizes the start of work because of unusual or emergency situations, in which case the wage determination shall be incorporated as soon as possible and made retroactive to the start of the work.

I-41. 52.222-20 Walsh-Healey Public Contracts Act (Dec 1996)

If this contract is for the manufacture or furnishing of materials, supplies, articles or equipment in an amount that exceeds or may exceed $10,000, and is subject to the Walsh-Healey Public Contracts Act, as amended (41 U.S.C. 35-45), the following terms and conditions apply:

(a) All stipulations required by the Act and regulations issued by the Secretary of Labor (41 CFR Chapter 50) are incorporated by reference. These stipulations are subject to all applicable rulings and interpretations of the Secretary of Labor that are now, or may hereafter, be in effect.

(b) All employees whose work relates to this contract shall be paid not less than the minimum wage prescribed by regulations issued by the Secretary of Labor (41 CFR 50-202.2). Learners, student learners, apprentices, and handicapped workers may be employed at less than the prescribed minimum wage (see 41 CFR 50-202.3) to the same extent that such employment is permitted under Section 14 of the Fair Labor Standards Act (41 U.S.C. 40).

I-42. 52.222-21 Prohibition of Segregated Facilities (Feb 1999)

(a) "*Segregated facilities,"* as used in this clause, 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, that are segregated by explicit directive or are in fact segregated on the basis of race, color, religion, sex or national origin because of written or oral policies or employee custom. The term does not include separate or single-

user rest rooms or necessary dressing or sleeping areas provided to assure privacy between sexes.

(b) The contractor agrees that it does not and will not maintain or provide for its employees any segregated facilities at any of its establishments, and that it does not and will not permit its employees to perform their services at any location under its control where segregated facilities are maintained. The Contractor agrees that a breach of this clause is a violation of the Equal Opportunity clause in the contract.

(c) The Contractor shall include this clause in every subcontract and purchase order that is subject to the Equal Opportunity clause of this contract.

I-43. 52.222-26 Equal Opportunity (Feb 1999)

(a) If, during any 12-month period (including the 12 months preceding the award of this contract), the Contractor has been or is awarded nonexempt Federal contracts and/or subcontracts that have an aggregate value in excess of $10,000, the Contractor shall comply with subparagraphs (b)(1) through (11) of this clause. Upon request, the Contractor shall provide information necessary to determine the applicability of this clause.

(b) During performing this contract, the Contractor agrees as follows:

(1) The Contractor shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, or national origin. However, it shall not be a violation of this clause for the Contractor to extend a publicly announced preference in employment to Indians living on or near an Indian reservation, in connection with employment opportunities on or near an Indian reservation, as permitted by 41 CFR 60-1.5.

(2) The Contractor shall take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, color, religion, sex, or national origin. This shall include, but not be limited to —

(i) Employment;
(ii) Upgrading;
(iii) Demotion;
(iv) Transfer;
(v) Recruitment or recruitment advertising;
(vi) Layoff or termination;
(vii) Rates of pay or other forms of compensation; and
(viii) Selection for training, including apprenticeship.

(3) The Contractor shall post in conspicuous places available to employees and applicants for employment the notices to be provided by the Contracting Officer that explain this clause.

(4) The Contractor shall, 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, color, religion, sex, or national origin.

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

(6) The Contractor shall comply with Executive Order 11246, as amended, and the rules, regulations, and orders of the Secretary of Labor.

(7) The Contractor shall furnish to the contracting agency all information required by Executive Order 11246, as amended, and by the rules, regulations, and orders of the Secretary of Labor. The Contractor shall also file Standard Form 100 (EEO-1), or any successor form, as prescribed in 41 CFR part 60-1. Unless the Contractor has filed within the 12 months preceding the date of contract award, the Contractor shall, within 30 days after contract award, apply to either the regional Office of Federal Contract Compliance Programs (OFCCP) or the local office of the Equal Employment Opportunity Commission for the necessary forms.

(8) The Contractor shall permit access to its premises, during normal business hours, by the contracting agency or the (OFCCP) for the purpose of conducting on-site compliance evaluations and complaint investigations. The Contractor shall permit the Government to inspect and copy any books, accounts, records (including computerized records), and other material that may be relevant to the matter under investigation and pertinent to compliance with Executive Order 11246, as amended, and rules and regulations that implement the Executive Order.

(9) If the OFCCP determines that the Contractor is not in compliance with this clause or any rule, regulation, or order of the Secretary of Labor, this contract may be canceled, terminated, or suspended in whole or in part and the Contractor may be declared ineligible for further Government contracts, under the procedures authorized in Executive Order 11246, as amended. In addition, sanctions may be imposed and remedies invoked against the Contractor as provided in Executive Order 11246, as amended, in the rules,

regulations, and orders of the Secretary of Labor, or as otherwise provided by law.

(10) The Contractor shall include the terms and conditions of subparagraphs (b)(1) through (11) of this clause in every subcontract or purchase order that is not exempted by the rules, regulations, or orders of the Secretary of Labor issued under Executive Order 11246, as amended, so that these terms and conditions will be binding upon each subcontractor or vendor.

(11) The Contractor shall take such action with respect to any subcontract or purchase order as the contracting officer may direct as a means of enforcing these terms and conditions, including sanctions for noncompliance; provided, that if the Contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of any direction, the Contractor may request the United States to enter into the litigation to protect the interests of the United States.

(c) Notwithstanding any other clause in this contract, disputes relative to this clause will be governed by the procedures in 41 CFR 60-1.1.

I-44. 52.222-24 Preaward On-Site Equal Opportunity Compliance Evaluation (Feb 1999)

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If a contract in the amount of $10 million or more will result from this solicitation, the prospective Contractor and its known first-tier subcontractors with anticipated subcontracts of $10 million or more shall be subject to a preaward compliance evaluation by the Office of Federal Contract Compliance Programs (OFCCP), unless, within the preceding 24 months, OFCCP has conducted an evaluation and found the prospective Contractor and subcontractors to be in compliance with Executive Order 11246.

I-45. 52.222-35 Affirmative Action for Disabled Veterans and Veterans of the Vietnam Era (Apr 1998)

(a) *Definitions.* As used in this clause —

"All employment openings" includes all positions except executive and top management, those positions that will be filled from within the contractor's organization, and positions lasting 3 days or less. This term includes full-time employment, temporary employment of more than 3 days' duration, and part-time employment.

"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 to serve the area where the employment opening is to be

filled, including the District of Columbia, Guam, the Commonwealth of Puerto Rico, and the Virgin Islands.

"Positions that will be filled from within the Contractor's organization" means employment openings for which no consideration will be given to persons outside the Contractor's organization (including any affiliates, subsidiaries, and parent companies) and includes any openings that the Contractor proposes to fill from regularly established "recall" lists. The exception does not apply to a particular opening once an employer decides to consider applicants outside of its organization.

"Veteran of the Vietnam era" means a person who —

(1) Served on active duty for a period of more than 180 days, any part of which occurred between August 5, 1964, and May 7, 1975, and was discharged or released therefrom with other than a dishonorable discharge; or

(2) Was discharged or released from active duty for a service-connected disability if any part of such active duty was performed between August 5, 1964, and May 7, 1975.

(b) *General.*

(1) Regarding any position for which the employee or applicant for employment is qualified, the Contractor shall not discriminate against the individual because the individual is a disabled veteran or a veteran of the Vietnam era. 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 —

(i) Employment;
(ii) Upgrading;
(iii) Demotion or transfer;
(iv) Recruitment;
(v) Advertising;
(vi) Layoff or termination;
(vii) Rates of pay or other forms of compensation; and
(viii) Selection for training, including apprenticeship.

(2) The Contractor agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor (Secretary) issued under the Vietnam Era Veterans' Readjustment Assistance Act of 1972 (the Act), as amended.

(c) *Listing openings.*

(1) The Contractor agrees to list all employment openings existing at contract award or occurring during contract performance, at an appropriate office of the State employment service system in the locality where the opening occurs. These openings include those occurring at any Contractor facility, including one not connected with performing this contract. An independent corporate affiliate is exempt from this requirement.

(2) State and local government agencies holding Federal contracts of $10,000 or more shall also list all employment openings with the appropriate office of the State employment service.

(3) The listing of employment openings with the State employment service system is required at least concurrently with using any other recruitment source or effort and involves the obligations of placing a bona fide job order, including accepting referrals of veterans and nonveterans. This listing does not require hiring any particular job applicant or hiring from any particular group of job applicants and is not intended to relieve the Contractor from any requirements of Executive orders or regulations concerning nondiscrimination in employment.

(4) Whenever the Contractor becomes contractually bound to the listing terms of this clause, it shall advise the State 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 terms and has so advised the State system, it need not advise the State system of subsequent contracts. The Contractor may advise the State system when it is no longer bound by this contract clause.

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

(e) *Postings*.

(1) The Contractor agrees to post employment notices stating —

(i) 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; and

(ii) The rights of applicants and employees.

(2) These notices shall be posted in conspicuous places that are available to employees and applicants for employment. They shall be in a form

prescribed by the Deputy Assistant Secretary for Federal Contract Compliance Programs, Department of Labor (Deputy Assistant Secretary), and provided by or through the Contracting Officer.

(3) The Contractor shall 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 the Act, and is committed to take affirmative action to employ, and advance in employment, qualified disabled veterans and veterans of the Vietnam era.

(f) *Noncompliance*. If the Contractor does not comply with the requirements of this clause, appropriate actions may be taken under the rules, regulations, and relevant orders of the Secretary issued pursuant to the Act.

(g) *Subcontracts*. The Contractor shall include the terms of this clause in every subcontract or purchase order of $10,000 or more unless exempted by rules, regulations, or orders of the Secretary. The Contractor shall act as specified by the Deputy Assistant Secretary to enforce the terms, including action for noncompliance.

I-46. 52.222-36 Affirmative Action for Workers with Disabilities (Jun 1998)

(a) *General.*

(1) Regarding any position for which the employee or applicant for employment is qualified, the Contractor shall not discriminate against any employee or applicant because of physical or mental disability. The Contractor agrees to take affirmative action to employ, advance in employment, and otherwise treat qualified individuals with disabilities without discrimination based upon their physical or mental disability in all employment practices such as —

(i) Recruitment, advertising, and job application procedures;

(ii) Hiring, upgrading, promotion, award of tenure, demotion, transfer, layoff, termination, right of return from layoff, and rehiring;

(iii) Rates of pay or any other form of compensation and changes in compensation;

(iv) Job assignments, job classifications, organizational structures, position descriptions, lines of progression, and seniority lists;

(v) Leaves of absence, sick leave, or any other leave;

(vi) Fringe benefits available by virtue of employment, whether or not administered by the Contractor;

(vii) Selection and financial support for training, including apprenticeships, professional meetings, conferences, and other related activities, and selection for leaves of absence to pursue training;

(viii) Activities sponsored by the Contractor, including social or recreational programs; and

(ix) Any other term, condition, or privilege of employment.

(2) The Contractor agrees to comply with the rules, regulations, and relevant orders of the Secretary of Labor (Secretary) issued under the Rehabilitation Act of 1973 (29 U.S.C. 793) (the Act), as amended.

(b) *Postings.*

(1) The Contractor agrees to post employment notices stating —

(i) The Contractor's obligation under the law to take affirmative action to employ and advance in employment qualified individuals with disabilities; and

(ii) The rights of applicants and employees.

(2) These notices shall be posted in conspicuous places that are available to employees and applicants for employment. The Contractor shall ensure that applicants and employees with disabilities are informed of the contents of the notice (e.g., the Contractor may have the notice read to a visually disabled individual, or may lower the posted notice so that it might be read by a person in a wheelchair). The notices shall be in a form prescribed by the Deputy Assistant Secretary for Federal Contract Compliance of the U.S. Department of Labor (Deputy Assistant Secretary) and shall be provided by or through the Contracting Officer.

(3) The Contractor shall 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, qualified individuals with physical or mental disabilities.

(c) *Noncompliance*. If the Contractor does not comply with the requirements of this clause, appropriate actions may be taken under the rules, regulations, and relevant orders of the Secretary issued pursuant to the Act.

(d) *Subcontracts.* The Contractor shall include the terms of this clause in every subcontract or purchase order in excess of $10,000 unless exempted by rules, regulations, or orders of the Secretary. The Contractor shall act as specified by the Deputy Assistant Secretary to enforce the terms, including action for noncompliance.

I-47. 52.222-37 Employment Reports on Disabled Veterans and Veterans of the Vietnam Era (Apr 1998)

(a) Unless the Contractor is a State or local government agency, the Contractor shall report at least annually, as required by the Secretary of Labor, on —

(1) The number of disabled veterans and the number of veterans of the Vietnam era in the workforce of the contractor by job category and hiring location; and

(2) The total number of new employees hired during the period covered by the report, and of that total, the number of disabled veterans, and the number of veterans of the Vietnam era.

(b) The above items shall be reported by completing the form entitled "Federal Contractor Veterans' Employment Report VETS-100."

(c) Reports shall be submitted no later than March 31 of each year beginning March 31, 1988.

(d) The employment activity report required by paragraph (a)(2) of this clause shall reflect total hires during the most recent 12-month period as of the ending date selected for the employment profile report required by paragraph (a)(1) of this clause. Contractors may select an ending date:

(1) As of the end of any pay period during the period January through March 1st of the year the report is due, or

(2) As of December 31, if the contractor has previous written approval from the Equal Employment Opportunity Commission to do so for purposes of submitting the Employer Information Report EEO-1 (Standard Form 100).

(e) The count of veterans reported according to paragraph (a) of this clause shall be based on voluntary disclosure. Each Contractor subject to the reporting requirements at 38 U.S.C. 4212 shall invite all disabled veterans and veterans of the Vietnam era who wish to benefit under the affirmative action program at 38 U.S.C. 4212 to identify themselves to the Contractor. The invitation shall state that the information is voluntarily provided; that the information will be kept confidential; that disclosure or refusal to provide the information will not subject the applicant or employee to any adverse treatment; and that the information will

be used only in accordance with the regulations promulgated under 38 U.S.C. 4212.

(f) *Subcontracts*. The Contractor shall include the terms of this clause in every subcontract or purchase order of $10,000 or more unless exempted by rules, regulations, or orders of the Secretary.

I-48. 52.223-2 Clean Air and Water (Apr 1984)

(a) "Air Act," as used in this clause, means the Clean Air Act (42 U.S.C. 7401, *et seq*.).

"Clean air standards," as used in this clause, means —

(1) Any enforceable rules, regulations, guidelines, standards, limitations, orders, controls, prohibitions, work practices, or other requirements contained in, issued under, or otherwise adopted under the Air Act or Executive Order 11738;

(2) An applicable implementation plan as described in section 110(d) of the Air Act [42 U.S.C. 7410(d)];

(3) An approved implementation procedure or plan under section 111(c) or section 111(d) of the Air Act [42 U.S.C. 7411(c) or (d)]; or

(4) An approved implementation procedure under section 112(d) of the Air Act [42 U.S.C. 7412(d)].

"Clean water standards," as used in this clause, means any enforceable limitation, control, condition, prohibition, standard, or other requirement promulgated under the Water Act or contained in a permit issued to a discharger by the EPA 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).

"Compliance," as used in this clause, means compliance with —

(1) Clean air or water standards; or

(2) A schedule or plan ordered or approved by a court of competent jurisdiction, the EPA, or an air or water pollution control agency under the requirements of the Air Act or Water Act and related regulations.

"Facility," as used in this clause, 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, used in the performance of a

contract or subcontract. When a location or site of operations includes more than one building, plant, installation, or structure, the entire location or site shall be deemed a facility except when the Administrator, or a designee, of the EPA determines that independent facilities are collocated in one geographical area.

"Water Act," as used in this clause, means Clean Water Act (33 U.S.C. 1251, *et seq*.).

(b) The Contractor agrees —

(1) To comply with the requirements of section 114 of the Clean Air Act (42 U.S.C. 7414) and section 308 of the Clean Water Act (33 U.S.C. 1318) 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, and all regulations and guidelines issued to implement those acts before the award of this contract;

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

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

(4) To insert the substance of this clause into any nonexempt subcontract, including this subparagraph (b)(4).

I-49. 52.223-3 Hazardous Material Identification and Material Safety Data (Jan 1997) Alternate I (July 1995)

(a) "Hazardous material," as used in this clause, includes any material defined as hazardous under the latest version of Federal Standard No. 313 (including revisions adopted during the term of the contract).

(b) The offeror must list any hazardous material, as defined in paragraph (a) of this clause, to be delivered under this contract. The hazardous material shall be properly identified and include any applicable identification number, such as National Stock Number or Special Item Number. This information shall also be included on the Material Safety Data Sheet submitted under this contract.

Material *(If none, insert "None")*	Identification No.

(c) This list must be updated during performance of the contract whenever the Contractor determines that any other material to be delivered under this contract is hazardous.

(d) The apparently successful offeror agrees to submit, for each item as required prior to award, a Material Safety Data Sheet, meeting the requirements of 29 CFR 1910.1200(g) and the latest version of Federal Standard No. 313, for all hazardous material identified in paragraph (b) of this clause. Data shall be submitted in accordance with Federal Standard No. 313, whether or not the apparently successful offeror is the actual manufacturer of these items. Failure to submit the Material Safety Data Sheet prior to award may result in the apparently successful offeror being considered nonresponsible and ineligible for award.

(e) If, after award, there is a change in the composition of the item(s) or a revision to Federal Standard No. 313, which renders incomplete or inaccurate the data submitted under paragraph (d) of this clause, the Contractor shall promptly notify the Contracting Officer and resubmit the data.

(f) Neither the requirements of this clause nor any act or failure to act by the Government shall relieve the Contractor of any responsibility or liability for the safety of Government, Contractor, or subcontractor personnel or property.

(g) Nothing contained in this clause shall relieve the Contractor from complying with applicable Federal, State, and local laws, codes, ordinances, and regulations (including the obtaining of licenses and permits) in connection with hazardous material.

(h) The Government's rights in data furnished under this contract with respect to hazardous material are as follows:

(1) To use, duplicate and disclose any data to which this clause is applicable. The purposes of this right are to —

(i) Apprize personnel of the hazards to which they may be exposed in using, handling, packaging, transporting, or disposing of hazardous materials;

(ii) Obtain medical treatment for those affected by the material; and

(iii) Have others use, duplicate, and disclose the data for the Government for these purposes.

(2) To use, duplicate, and disclose data furnished under this clause, in accordance with subparagraph (h)(1) of this clause, in precedence over any other clause of this contract providing for rights in data.

(3) The Government is not precluded from using similar or identical data acquired from other sources.

(i) Except as provided in paragraph (i)(2), the Contractor shall prepare and submit a sufficient number of Material Safety Data Sheets (MSDS's), meeting the requirements of 29 CFR 1910.1200(g) and the latest version of Federal Standard No. 313, for all hazardous materials identified in paragraph (b) of this clause.

(1) For items shipped to consignees, the Contractor shall include a copy of the MSDS's with the packing list or other suitable shipping document which accompanies each shipment. Alternatively, the Contractor is permitted to transmit MSDS's to consignees in advance of receipt of shipments by consignees, if authorized in writing by the Contracting Officer.

(2) For items shipped to consignees identified by mailing address as agency depots, distribution centers or customer supply centers, the Contractor shall provide one copy of the MSDS's in or on each shipping container. If affixed to the outside of each container, the MSDS's must be placed in a weather resistant envelope.

I-50. 52.223-5 Pollution Prevention and Right-to-Know Information (Apr 1998)

(a) Executive Order 12856 of August 3, 1993, requires Federal facilities to comply with the provisions of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) (42 U.S.C. 11001-11050) and the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13101-13109).

(b) The Contractor shall provide all information needed by the Federal facility to comply with the emergency planning reporting requirements of Section 302 of EPCRA; the emergency notice requirements of Section 304 of EPCRA; the list of Material Safety Data Sheets required by Section 311 of EPCRA; the emergency and hazardous chemical inventory forms of Section 312 of EPCRA; the toxic chemical release inventory of Section 313 of EPCRA, which includes the reduction and recycling information required by Section 6607 of PPA; and the toxic chemical reduction goals requirements of Section 3-302 of Executive Order 12856.

I-51. 52.223-11 Ozone-Depleting Substances (Jun 1996)

Definition

(a) "*Ozone Depleting Substanc*e," as used in this clause, means any substance designated as Class I by the Environmental Protection Agency (EPA) (40 CFR

Part 82), including but not limited to chlorofluorocarbons, halons, carbon tetrachloride, and methyl chloroform; or any substance designated as Class II by EPA (40 CFR Part 82), including but not limited to hydrochlorfluorocarbons.

(b) The Contractor shall label products which contain or are manufactured with ozone-depleting substances in the manner and to the extent required by 42 U.S.C. 7671j (b), (c), and (d) and 40 CFR Part 82, Subpart E, as follows:

WARNING

Contains (or manufactured with, if applicable) _____*_____, a substance(s) which harm(s) public health and environment by destroying ozone in the upper atmosphere.

*The Contractor shall insert the name of the substance(s).

I-52. 52.223-12 Refrigeration Equipment and Air Conditioners (May 1995)

The Contractor shall comply with the applicable requirements of Sections 608 and 609 of the Clean Air Act (42 U.S.C. 7671g and 7671h) as each or both apply to this contract.

I-53. 52.223-14 Toxic Chemical Release Reporting (Oct 1996)

(a) Unless otherwise exempt, the Contractor, as owner or operator of a facility used in the performance of this contract, shall file by July 1 for the prior calendar year an annual Toxic Chemical Release Inventory Form (Form R) as described in sections 313(a) and (g) of the Emergency Planning and Community Right-to-Know Act of 1986 (EPCRA) [42 U.S.C. 11023(a) and (g)], and section 6607 of the Pollution Prevention Act of 1990 (PPA) (42 U.S.C. 13106). The Contractor shall file, for each facility subject to the Form R filing and reporting requirements, the annual Form R throughout the life of the contract.

(b) A Contractor owned or operated facility used in the performance of this contract is exempt from the requirement to file an annual Form R if —

(1) The facility does not manufacture, process, or otherwise use any toxic chemicals listed under section 313(c) of EPCRA, 42 U.S.C. 11023(c);

(2) The facility does not have 10 or more full-time employees as specified in section 313(b)(1)(A) of EPCRA, 42 U.S.C. 11023(b)(1)(A);

(3) The facility does not meet the reporting thresholds of toxic chemicals established under section 313(f) of EPCRA, 42 U.S.C. 11023(f) (including the alternate thresholds at 40 CFR 372.27, provided an appropriate certification form has been filed with EPA);

(4) The facility does not fall within Standard Industrial Classification Code (SIC) designations 20 through 39 as set forth in section 19.102 of the Federal Acquisition Regulation (FAR); or

(5) The facility is not located within any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Northern Mariana Islands, or any other territory or possession over which the United States has jurisdiction.

(c) If the Contractor has certified to an exemption in accordance with one or more of the criteria in paragraph (b) of this clause, and after award of the contract circumstances change so that any of its owned or operated facilities used in the performance of this contract is no longer exempt —

(1) The Contractor shall notify the Contracting Officer; and

(2) The Contractor, as owner or operator of a facility used in the performance of this contract that is no longer exempt, shall —

(i) Submit a Toxic Chemical Release Inventory Form (Form R) on or before July 1 for the prior calendar year during which the facility becomes eligible; and

(ii) Continue to file the annual Form R for the life of the contract for such facility.

(d) The Contracting Officer may terminate this contract or take other action as appropriate, if the Contractor fails to comply accurately and fully with the EPCRA and PPA toxic chemical release filing and reporting requirements.

(e) Except for acquisitions of commercial items as defined in FAR Part 2, the Contractor shall —

(1) For competitive subcontracts expected to exceed $100,000 (including all options), include a solicitation provision substantially the same as the provision at FAR 52.223-13, Certification of Toxic Chemical Release Reporting; and

(2) Include in any resultant subcontract exceeding $100,000 (including all options), the substance of this clause, except this paragraph (e).

~~I-54. 952.223-72 Radiation Protection and Nuclear Criticality (Apr 1984)~~

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~~DELETED~~

I-55. 952.223-75 Preservation of Individual Occupational Radiation Exposure Records (Apr 1984)

Individual occupational radiation exposure records generated in the performance of work under this contract shall be subject to inspection by DOE and shall be preserved by the contractor until disposal is authorized by DOE or at the option of the contractor delivered to DOE upon completion or termination of the contract. If the contractor exercises the foregoing option, title to such records shall vest in DOE upon delivery.

I-56. 52.224-1 Privacy Act Notification (Apr 1984)

The Contractor will be required to design, develop, or operate a system of records on individuals, to accomplish an agency function subject to the Privacy Act of 1974, Public Law 93-579, December 31, 1974 (5 U.S.C. 552a) and applicable agency regulations. Violation of the Act may involve the imposition of criminal penalties.

I-57. 52.224-2 Privacy Act (Apr 1984)

(a) The Contractor agrees to —

(1) Comply with the Privacy Act of 1974 (the Act) and the agency rules and regulations issued under the Act in the design, development, or operation of any system of records on individuals to accomplish an agency function when the contract specifically identifies —

(i) The systems of records; and

(ii) The design, development, or operation work that the contractor is to perform;

(2) Include the Privacy Act notification contained in this contract in every solicitation and resulting subcontract and in every subcontract awarded without a solicitation, when the work statement in the proposed subcontract requires the redesign, development, or operation of a system of records on individuals that is subject to the Act; and

(3) Include this clause, including this subparagraph (3), in all subcontracts awarded under this contract which requires 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 when the violation concerns the design, development, or operation of a system of records on individuals to accomplish an agency function, and criminal penalties may be imposed upon the officers or employees of the agency when 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 is considered to be an employee of the agency.

(c) (1) "Operation of a system of records," as used in this clause, means performance of any of the activities associated with maintaining the system of records, including the collection, use, and dissemination of records.

(2) "Record," as used in this clause, means any item, collection, or grouping of information about an individual that is maintained by an agency, including, but not limited to, education, financial transactions, medical history, and criminal or employment history and that contains the person's name, or the identifying number, symbol, or other identifying particular assigned to the individual, such as a fingerprint or voiceprint or a photograph.

(3) "System of records on individuals," as used in this clause, 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.

I-58. 952.224-70 Paperwork Reduction Act (Apr 1994)

(a) In the event that it subsequently becomes a contractual requirement to collect or record information calling either for answer to identical questions from 10 or more persons other than Federal employees, or information from Federal employees which is to be used for statistical compilations of general public interest, the Paperwork Reduction Act will apply to this contract. No plan, questionnaire, interview guide, or other similar device for collecting information (whether repetitive or single-time) may be used without first obtaining clearance from the Office of Management and Budget (OMB).

(b) The contractor shall request the required OMB clearance from the contracting officer before expending any funds or making public contacts for the collection of data. The authority to expend funds and to proceed with the collection of data shall be in writing by the contracting officer. The contractor must plan at least 90 days for OMB clearance. Excessive delay caused by the Government which arises out of causes beyond the control and without the fault or negligence of the contractor will be considered in accordance with the clause entitled "Excusable Delays," if such clause is applicable. If not, the period of performance may be extended pursuant to this clause if approved by the contracting officer.

I-59. 52.225-9 Buy American Act—Trade Agreements—Balance of Payments Program (Jan 1996)

(a) This clause implements the Buy American Act (41 U.S.C. 10), the Trade Agreements Act of 1979 (19 U.S.C. 2501-2582), the North American Free Trade Agreement (NAFTA) Implementation Act (Pub. L. 103-182, 107 Stat. 2057), and

the Balance of Payments Program by providing a preference for domestic end products over foreign end products, except for certain foreign end products which meet the requirements for classification as designated, NAFTA, or Caribbean Basin country end products.

"Caribbean Basin country end product," as used in this clause, means an article that: (1) Is wholly the growth, product, or manufacture of a Caribbean Basin country (as defined in section 25.401 of the Federal Acquisition Regulation (FAR) or (2) in the case of an article which consists in whole or in part of materials from another country or instrumentality, has been substantially transformed into a new and different article of commerce with a name, character, or use distinct from that of the article or articles from which it was so transformed. The term refers to a product offered for purchase under a supply contract, but for purposes of calculating the value of the end product includes services (except transportation services) incidental to its supply; provided, that the value of those incidental services does not exceed that of the product itself. The term *excludes* products that are excluded from duty-free treatment for Caribbean countries under the Caribbean Basin Economic Recovery Act [19 U.S.C. 2703(b)]. These exclusions presently consist of (i) textiles and apparel articles that are subject to textile agreements; (ii) footwear, handbags, luggage, flat goods, work gloves, and leather wearing apparel not designated as eligible articles for the purpose of the Generalized System of Preferences under title V of the Trade Act of 1974; (iii) tuna, prepared or preserved in any manner in airtight containers; (iv) petroleum, or any product derived from petroleum; and (v) watches and watch parts (including cases, bracelets and straps), of whatever type including, but not limited to, mechanical, quartz digital or quartz analog, if such watches or watch parts contain any material that is the product of any country to which the Tariff Schedule of the United States (TSUS) column 2 rates of duty apply.

"Components," as used in this clause, means those articles, materials, and supplies incorporated directly into the end products.

"Designated country end product," as used in this clause, means an article that (1) is wholly the growth, product, or manufacture of the designated country (as defined at FAR 25.401), or (2) in the case of an article which consists in whole or in part of materials from another country or instrumentality, has been substantially transformed into a new and different article of commerce with a name, character, or use distinct from that of the article or articles from which it was so transformed. The term refers to a product offered for purchase under a supply contract, but for purposes of calculating the value of the end product includes services (except transportation services) incidental to its supply; provided, that the value of those incidental services does not exceed that of the product itself.

"Domestic end product," as used in this clause, means (1) an unmanufactured end product mined or produced in the United States, or (2) an end product manufactured in the United States, if the cost of its components mined, produced,

or manufactured in the United States exceeds 50 percent of the cost of all its components. A component shall also be considered to have been mined, produced, or manufactured in the United States (regardless of its source in fact) if the end product in which it is incorporated is manufactured in the United States and the component is of a class or kind (i) determined by the Government to be not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality, or (ii) to which the agency head concerned has determined that it would be inconsistent with the public interest to apply the restrictions of the Buy American Act.

"Eligible product," as used in this clause, means a designated, North American Free Trade Agreement (NAFTA), or Caribbean Basin country end product.

"End products," as used in this clause, means those articles, materials, and supplies to be acquired under this contract for public use.

"Foreign end product," as used in this clause, means an end product other than a domestic end product.

"NAFTA country," as used in this clause, means Canada or Mexico.

"NAFTA country end product," as used in this clause, means an article that (1) is wholly the growth, product, or manufacture of a NAFTA country, or (2) in the case of an article which consists in whole or in part of materials from another country or instrumentality, has been substantially transformed in a NAFTA country into a new and different article of commerce with a name, character, or use distinct from that of the article or articles from which it was transformed. The term refers to a product offered for purchase under a supply contract, but for purposes of calculating the value of the end product includes services (except transportation services) incidental to its supply; provided, that the value of those incidental services does not exceed that of the product itself.

(b) The Contracting Officer has determined that the Trade Agreements Act and NAFTA apply to this acquisition. Unless otherwise specified, the Acts apply to all items in the schedule. The Contractor agrees to deliver under this contract only domestic end products unless, in its offer, it specifies delivery of foreign end products in the provision entitled "Buy American Act—Trade Agreements—Balance of Payments Program Certificate." An offer certifying that a designated, NAFTA, or Caribbean Basin country end product will be supplied requires the Contractor to supply a designated, NAFTA, or Caribbean Basin country end product or, at the Contractor's option, a domestic end product. Contractors may not supply a foreign end product for the line items subject to the Trade Agreements Act unless —

(1) The foreign end product is an eligible product (see FAR 25.401);

(2) The Contracting Officer determines that offers of domestic end products or of eligible products are either not received or are insufficient to fulfill the Government's requirements; or

(3) A waiver is granted under section 302 of the Trade Agreements Act of 1979 [see FAR 25.402(c)].

(c) Offers will be evaluated in accordance with the policies and procedures of Subpart 25.4 of the FAR.

I-60. 52.225-10 Duty-Free Entry (Apr 1984)

(a) Except as otherwise approved by the Contracting Officer, no amount is or will be included in the contract price for any duties on supplies specifically identified in the Schedule to be accorded duty-free entry.

(b) Except for supplies listed in the Schedule to be accorded duty-free entry, and except as provided under any other clause of this contract or in paragraph (c) of this clause, the following procedures apply:

(1) The Contractor shall notify the Contracting Officer in writing of any purchase of foreign supplies (including, without limitation, raw materials, components, and intermediate assemblies) in excess of $10,000 that are to be imported into the customs territory of the United States for delivery to the Government or for incorporation into end items to be delivered under this contract. The notice shall be furnished to the Contracting Officer at least 20 days before the importation and shall identify —

(i) The foreign supplies;
(ii) The estimated amount of duty; and
(iii) The country of origin.

(2) If the Contracting Officer determines that these supplies should be entered duty-free, the Contracting Officer shall notify the Contractor within 10 days.

(3) Except as otherwise approved by the Contracting Officer, the contract price shall be reduced by (or the allowable cost shall not include) the amount of duty that would be payable if the supplies were not entered duty-free.

(c) Paragraph (b) of this clause shall not apply to purchases of foreign supplies if —

(1) They are identical in nature with items purchased by the Contractor or any subcontractor in connection with its commercial business; and

(2) Segregation of these supplies to ensure use only on Government contracts containing duty-free entry provisions is not economical or feasible.

(d) The Contractor warrants that all supplies for which duty-free entry is to be claimed are intended to be delivered to the Government or incorporated into the end items to be delivered under this contract, and that duty shall be paid to the extent that these supplies, or any portion of them, are diverted to non-Governmental use, other than as scrap or salvage or as a result of a competitive sale authorized by the Contracting Officer.

(e) The Government agrees to execute any required duty-free entry certificates for items specified in this contract or approved by the Contracting Officer and to assist the Contractor in obtaining duty-free entry of the supplies.

(f) All shipping documents covering the supplies to be entered duty-free shall consign the shipments to the contracting agency in care of the Contractor and shall include the delivery address of the Contractor (or contracting agency, if appropriate). The documents shall bear the following information:

(1) Government prime contract number.

(2) Identification of carrier.

(3) The notation:

United States Government, _____ [*agency*] Duty-free entry to be claimed pursuant to Item No(s) _____ [*from Tariff Schedules*], Tariff Schedules of the United States (19 U.S.C. 1202). Upon arrival of shipment at port of entry, District Director of Customs, please release shipment under 19 CFR 142 and notify *[cognizant contract administration office*] for execution of Customs Forms 7501 and 7501-A and any required duty-free entry certificates.

(4) Gross weight in pounds (if freight is based on space tonnage, state cubic feet in addition to gross shipping weight).

(5) Estimated value in United States dollars.

(g) The Contractor agrees to instruct the foreign supplier to consign the shipment as specified in (f) of this clause, to mark all packages with the words “United States government” and the title of the contracting agency, and to accompany the shipment with at least two copies of the bill of lading (or other shipping document) for use by the District Director of Customs at the port of entry.

(h) The Contractor agrees to notify in writing the cognizant contract administration office immediately upon notification from the Contracting Officer that duty-free

entry will be accorded (or, if the duty-free supplies were listed in the contract Schedule, upon award by the Contractor to the overseas supplier). The notice shall identify —

(1) The foreign supplies;

(2) The country of origin;

(3) The contract number; and

(4) The scheduled delivery date(s).

(i) The Contractor agrees to insert the substance of this clause in any subcontract under which —

(1) There will be imported into the customs territory of the United States supplies identified in the Schedule as supplies to be accorded duty-free entry; or

(2) Other foreign supplies in excess of $10,000 may be imported into the customs territory of the United States.

I-61. 52.225-11 Restrictions on Certain Foreign Purchases (Aug 1998)

(a) Unless advance written approval of the Contracting Officer is obtained, the Contractor shall not acquire, for use in the performance of this contract, any supplies or services originating from sources within, or that were located in or transported from or through, countries whose products are banned from importation into the United States by Executive order or regulations of the Office of Foreign Assets Control, Department of the Treasury. Those countries include Cuba, Iran, Iraq, Libya, North Korea, and Sudan.

(b) The Contractor shall not acquire for use in the performance of this contract any supplies or services from entities controlled by the Government of Iraq.

(c) The Contractor agrees to insert the provisions of this clause, including this paragraph (c), in all subcontracts hereunder.

I-62. 52.225-15 Buy American Act—Construction Materials Under Trade Agreements Act and North American Free Trade Agreement (Jun 1997)

(a) *Definitions.* As used in this clause —

"Components" means those articles, materials, and supplies incorporated directly into construction materials.

"Construction material" means an article, material, or supply brought to the construction site for incorporation into the building or work. Construction material also includes an item brought to the site pre-assembled from articles, materials, or supplies. However, emergency life safety systems, such as emergency lighting, fire alarm, and audio evacuation systems, which are discrete systems incorporated into a public building or work and which are produced as a complete system, shall be evaluated as a single and distinct construction material regardless of when or how the individual parts or components of such systems are delivered to the construction site.

"Designated country construction material" means a construction material that —

(1) Is wholly the growth, product, or manufacture of a designated country (as defined at FAR 25.401); or

(2) In the case of a construction material which consists in whole or in part of materials from another country or instrumentality, has been substantially transformed in a designated country into a new and different construction material distinct from the materials from which it was transformed.

"Domestic construction material" means (1) an unmanufactured construction material mined or produced in the United States, or (2) a construction material manufactured in the United States, if the cost of its components mined, produced, or manufactured in the United States exceeds 50 percent of the cost of all its components. Components of foreign origin of the same class or kind as the construction materials determined to be unavailable pursuant to subparagraph 25.202(a)(2) of the Federal Acquisition Regulation (FAR) shall be treated as domestic.

"North American Free Trade Agreement (NAFTA) country" means Canada or Mexico.

"NAFTA country construction material" means a construction material that —

(1) Is wholly the growth, product, or manufacture of a NAFTA country; or

(2) In the case of a construction material which consists in whole or in part of materials from another country or instrumentality, has been substantially transformed in a NAFTA country into a new and different construction material distinct from the materials from which it was transformed.

(b) (1) The Buy American Act (41 U.S.C. 10a–10d) requires that only domestic construction material be used in performing this contract, except as provided in paragraphs (b)(2), (b)(3), and (b)(4) of this clause.

(2) The Trade Agreements Act and the North American Free Trade Agreement (NAFTA) provide that designated country and NAFTA country construction materials are exempted from application of the Buy American Act.

(3) The requirement in paragraph (b)(1) of this clause does not apply to the excepted construction material or components listed by the Government as follows:

None

(4) Other foreign construction material may be added to the list in paragraph (b)(3) of this clause if the Government determines that —

(i) The cost would be unreasonable (the cost of a particular domestic construction material shall be determined to be unreasonable when the cost of such material exceeds the cost of foreign material by more than 6 percent, unless the agency head determines a higher percentage to be appropriate);

(ii) The application of the restriction of the Buy American Act to a particular construction material would be impracticable or inconsistent with the public interest; or

(iii) The construction material is not mined, produced, or manufactured in the United States in sufficient and reasonably available commercial quantities of a satisfactory quality.

(5) The Contractor agrees that only domestic construction materials, NAFTA country construction materials, or designated country construction materials will be used by the Contractor, subcontractors, material men, and suppliers in the performance of this contract, except for foreign construction materials, if any, listed in paragraph (b)(3) of this clause.

(c) *Request for determination.*

(1) Contractors requesting to use foreign construction material under paragraph (b)(4) of this clause shall provide adequate information for Government evaluation of the request for a determination regarding the inapplicability of the Buy American Act. Each submission shall include a description of the foreign and domestic construction materials, including unit of measure, quantity, price, time of delivery or availability, location of the construction project, name and address of the proposed contractor, and a detailed justification of the reason for use of foreign materials cited in accordance with paragraph (b)(4) of this clause. A submission based on unreasonable cost shall include a reasonable survey of the market and a completed price comparison table in the format in paragraph (d) of this clause. The price of construction material shall include all delivery costs to the construction site

and any applicable duty (whether or not a duty-free certificate may be issued).

(2) If the Government determines after contract award that an exception to the Buy American Act applies, the contract shall be modified to allow use of the foreign construction material, and adequate consideration shall be negotiated. However, when the basis for the exception is the unreasonable price of a domestic construction material, adequate consideration shall not be less than the differential established in paragraph (b)(4)(i) of this clause.

(3) If the Government does not determine that an exception to the Buy American Act applies, the use of that particular foreign construction material will be a failure to comply with the Act.

(d) For evaluation of requests under paragraph (c) of this clause based on unreasonable cost, the following information and any applicable supporting data based on the survey of suppliers shall be included in the request:

I-63. 52.226-1 Utilization of Indian Organizations and Indian-Owned Economic Enterprises (May 1999)

(a) For Department of Defense contracts, this clause applies only if the contract includes a subcontracting plan incorporated under the terms of the clause at FAR 52.219-9, Small Business Subcontracting Plan. It does not apply to contracts awarded based on a subcontracting plan submitted and approved under paragraph (g) of the clause at 52.219-9.

(b) *Definitions*. As used in this clause:

"Indian" means any person who is a member of any Indian tribe, band, group, pueblo, or community which is recognized by the Federal Government as eligible for services from the Bureau of Indian Affairs (BIA) in accordance with 25 U.S.C.1452(c) and any "Native" as defined in the Alaska Native Claims Settlement Act (43 U.S.C.1601).

"Indian organization" means the governing body of any Indian tribe or entity established or recognized by the governing body of an Indian tribe for the purposes of 25 U.S.C., chapter 17.

"Indian-owned economic enterprise" means any Indian-owned (as determined by the Secretary of the Interior) commercial, industrial, or business activity established or organized for the purpose of profit, provided that Indian ownership shall constitute not less than 51 percent of the enterprise.

"Indian tribe" means any Indian tribe, band, group, pueblo, or community, including native villages and native groups (including corporations organized by

Kenai, Juneau, Sitka, and Kodiak) as defined in the Alaska Native Claims Settlement Act, which is recognized by the Federal Government as eligible for services from BIA in accordance with 25 U.S.C.1452(c).

"Interested party" means a prime contractor or an actual or prospective offeror whose direct economic interest would be affected by the award of a subcontract or by the failure to award a subcontract.

(c) The Contractor agrees to use its best efforts to give Indian organizations and Indian-owned economic enterprises (25 U.S.C.1544) the maximum practicable opportunity to participate in the subcontracts it awards to the fullest extent consistent with efficient performance of its contract.

(1) The Contracting Officer and the Contractor, acting in good faith, may rely on the representation of an Indian organization or Indian-owned economic enterprise as to its eligibility, unless an interested party challenges its status or the Contracting Officer has independent reason to question that status. In the event of a challenge to the representation of a subcontractor, the Contracting Officer shall refer the matter to the:

U.S. Department of the Interior
Bureau of Indian Affairs (BIA)
Attn: Chief, Division of Contracting and Grants Administration
1849 C Street, NW, MS-334A-SIB
Washington, DC 20245

The BIA will determine the eligibility and notify the Contracting Officer. The 5 percent incentive payment will not be made within 50 working days of subcontract award or while a challenge is pending. If a subcontractor is determined to be an ineligible participant, no incentive payment will be made under the Indian Incentive Program.

(2) The Contractor may request an adjustment under the Indian Incentive Program to the following:

(i) The estimated cost of a cost-type contract.
(ii) The target cost of a cost-plus-incentive-fee prime contract.
(iii) The target cost and ceiling price of a fixed-price incentive prime contract.
(iv) The price of a firm-fixed-price prime contract.

(3) The amount of the equitable adjustment to the prime contract shall be 5 percent of the estimated cost, target cost, or firm-fixed-price included in the subcontract initially awarded to the Indian organization or Indian-owned economic enterprise.

(4) The Contractor has the burden of proving the amount claimed and must assert its request for an adjustment prior to completion of contract performance.

(d) The Contracting Officer, subject to the terms and conditions of the contract and the availability of funds, shall authorize an incentive payment of 5 percent of the amount paid to the subcontractor. The Contracting Officer shall seek funding in accordance with agency procedures. The Contracting Officer's decision is final and not subject to the Disputes clause of this contract.

I-64. 952.226-71 Utilization of Energy Policy Act Target Entities (Jun 1996)

Definition.

(a) *Energy Policy Act Target Groups*, as used in this provision means —

(1) An institution of higher education that meets the requirements of 34 CFR 600.4(a) and has a student enrollment that consists of at least 20 percent:

(i) Hispanic Americans, i.e., students whose origins are in Mexico, Puerto Rico, Cuba, or Central or South America, or any combination thereof, or

(ii) Native Americans, i.e., American Indians, Eskimos, Aleuts, and Native Hawaiians, or any combination thereof.

(2) Institutions of higher learning determined to be Historically Black Colleges and universities by the Secretary of Education pursuant to 34 CFR 608.2; and

(3) Small business concerns, as defined under section 3 of the Small Business Act (15 U.S.C. 632), that are owned and controlled by individuals who are both socially and economically disadvantaged within the meaning of section 8(d) of the Small Business Act (15 U.S.C. 637(d) or by a woman or women.

(b) Obligation. In addition to its obligations under the clause of this contract entitled Utilization of Small, Small Disadvantaged and Women-Owned Small Business Concerns, the Contractor, in performance of this contract, agrees to provide its best efforts to competitively award subcontracts to entities from among the Energy Policy Act target groups.

I-65. 952.226-72 Energy Policy Act Subcontracting Goals and Reporting Requirements (Jun 1996)

Definition.

(a) *Energy Policy Act Target Groups*, as used in this provision means —

(1) An institution of higher education that meets the requirements of 34 CFR 600.4(a), and has a student enrollment that consists of at least 20 percent:

(i) Hispanic Americans, i.e., students whose origins are in Mexico, Puerto Rico, Cuba, or Central or South America, or any combination thereof, or

(ii) Native Americans, i.e., American Indians, Eskimos, Aleuts, and Native Hawaiians, or any combination thereof.

(2) Institutions of higher learning determined to be Historically Black Colleges and universities by the Secretary of Education pursuant to 34 CFR 608.2; and

(3) Small business concerns, as defined under section 3 of the Small Business Act (15 U.S.C. 632), that are owned and controlled by individuals who are both socially and economically disadvantaged within the meaning of section 8(d) of the Small Business Act (15 U.S.C. 637(d) or by a woman or women.

(b) *Goals* —

The Contractor, in performance of this contract, agrees to provide its best efforts to award subcontracts to the following classes of entities:

(1) Small business concerns controlled by socially and economically disadvantaged individuals or by women: ***percent;

(2) Historically Black Colleges and universities: ***percent;

(3) Colleges or universities having a student body in which more than 20 percent of the students are Hispanic Americans or Native Americans: ***percent.

[***These goals are stated in a percentage reflecting the relationship of estimated award value of subcontracts to the value of this contract and appear elsewhere in this contract.]

(c) *Reporting requirements —*

(1) The Contractor agrees to report, on an annual Federal Government fiscal year basis, its progress against the goals by providing the actual annual dollar value of subcontract payments for the preceding 12-month period, and the relationship of those payments to the incurred contract costs for the same period. Reports submitted pursuant to this clause must be received by the contracting officer (or designee) not later than 45 days after the end of the reporting period.

(2) If the contract includes reporting requirements under FAR 52.219-9, Small, Small Disadvantaged and Women-Owned Subcontracting Plan, the Contractor's progress against the goals stated in paragraph (b) of this clause shall be included as an addendum to Standard Form (SF) 294, Subcontracting Report for Individual Contracts, and/or SF295, Summary Subcontract Report, as applicable, for the period that corresponds to the end of the Federal Government fiscal year.

I-66. 952.226-74 Displaced Employee Hiring Preference (Jun 1997) (Deviation)

(a) (*DEVIATION*) Definition. Eligible employee means a current or former employee of a contractor or subcontractor (1) who has been employed at a Department of Energy Defense Nuclear Facility as defined in Section 3161 of the National Defense Authorization Act for FY 1993 (Pub. L. 102-484) and the Interim Planning Guidance for Contractor Work Force Restructuring (Feb 1996) or other applicable Department of Energy guidance for contractor work force restructuring, as may be amended or supplemented from time to time (hereinafter "Guidance"), (2) whose employment at such a Defense Nuclear Facility has been involuntarily terminated (other than for cause) or who has been notified that they are facing termination, (3) who has also met the job attachment test as set forth in applicable Departmental Guidance, and (4) who is qualified for a particular position with the Contractor or, with retraining, can become qualified within the time and cost limits set forth in the Departmental Guidance.

(b) Consistent with Department of Energy guidance for contractor work force restructuring, as may be amended or supplemented from time to time, the Contractor agrees that it will provide a preference in hiring to an eligible employee to the extent practicable for work performed under this contract.

(c) (*DEVIATION*) The Contractor will develop retraining programs for eligible employees to the extent practicable and will take such retraining into account in assessing the qualifications of eligible employees. An example for such retraining is for work in environmental restoration and waste management activities.

(d) The requirements of this clause shall be included in subcontracts at any tier (except for subcontracts for commercial items pursuant to 41 U.S.C. 403) expected to exceed $500,000.

I-67. 52.227-1 Authorization and Consent (Jul 1995) Alternate I (Apr 1984) Modified by addition of paragraph (c)

(a) The Government authorizes and consents to all use and manufacture of any invention described in and covered by a United States patent in the performance of this contract or any subcontract at any tier.

(b) The Contractor agrees to include, and require inclusion of, this clause, suitably modified to identify the parties, in all subcontracts at any tier for supplies or services (including construction, architect-engineer services, and materials, supplies, models, samples, and design or testing services expected to exceed the simplified acquisition threshold); however, omission of this clause from any subcontract, including those at or below the simplified acquisition threshold, does not affect this authorization and consent.

(c) In the case of suit or potential suit in copyright infringement, the Contractor may request authorization and consent in copyright from DOE. Programmatic necessity shall be a major consideration in grant of authorization and consent in copyright.

I-68. 970.5227-5 Notice and Assistance Regarding Patent and Copyright Infringement (Dec 2000)

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(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) If any person files a 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. Except where the Contractor has agreed to indemnify the Government, the Contractor shall furnish such evidence and information at the expense of the Government.

(c) The Contractor agrees to include, and require inclusion of, this clause suitably modified to identify the parties, in all subcontracts at any tier expected to exceed $25,000.

I-69. 52.227-10 Filing of Patent Applications—Classified Subject Matter (Apr 1984)

(a) Before filing or causing to be filed a patent application in the United States disclosing any subject matter of this contract classified "Secret" or higher, the Contractor shall, citing the 30-day provision below, transmit the proposed application to the Contracting Officer. The Government shall determine whether, for reasons of national security, the application should be placed under an order of secrecy, sealed in accordance with the provision of 35 U.S.C. 181-188, or the issuance of a patent otherwise delayed under pertinent United States statutes or regulations. The Contractor shall observe any instructions of the Contracting Officer regarding the manner of delivery of the patent application to the United States Patent Office, but the Contractor shall not be denied the right to file the application. If the Contracting Officer shall not have given any such instructions within 30 days from the date of mailing or other transmittal of the proposed application, the Contractor may file the application.

(b) Before filing a patent application in the United States disclosing any subject matter of this contract classified "Confidential," the Contractor shall furnish to the Contracting Officer a copy of the application for Government determination whether, for reasons of national security, the application should be placed under an order of secrecy or the issuance of a patent should be otherwise delayed under pertinent United States statutes or regulations.

(c) Where the subject matter of this contract is classified for reasons of security, the Contractor shall not file, or cause to be filed, in any country other than in the United States as provided in paragraphs (a) and (b) of this clause, an application or registration for a patent containing any of the subject matter of this contract without first obtaining written approval of the Contracting Officer.

(d) When filing any patent application coming within the scope of this clause, the Contractor shall observe all applicable security regulations covering the transmission of classified subject matter and shall promptly furnish to the Contracting Officer the serial number, filing date, and name of the country of any such application. When transmitting the application to the United States Patent Office, the Contractor shall by separate letter identify by agency and number the contract or contracts that require security classification markings to be placed on the application.

(e) The Contractor agrees to include, and require the inclusion of, this clause in all subcontracts at any tier that cover or are likely to cover classified subject matter.

I-70. Reserved

I-71. 52.227-23 Rights to Proposal Data (Technical) (Jun 1987)

Except for data contained on pages [none], it is agreed that as a condition of award of this contract, and notwithstanding the conditions of any notice appearing thereon, the Government shall have unlimited rights (as defined in the "Rights in Data—General" clause contained in this contract) in and to the technical data contained in the proposal dated August 2, 1999, upon which this contract is based.

I-72. 52.230-2 Cost Accounting Standards (Apr 1998)

(a) Unless the contract is exempt under 48 CFR 9903.201-1 and 9903.201-2, the provisions of 48 CFR Part 9903 are incorporated herein by reference and the Contractor, in connection with this contract, shall —

(1) (*CAS-covered Contracts Only*) By submission of a Disclosure Statement, disclose in writing the Contractor's cost accounting practices as required by 48 CFR 9903.202-1 through 9903.202-5, including methods of distinguishing direct costs from indirect costs and the basis used for allocating indirect costs. 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 a Cost Accounting Standards (CAS) 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 shall be protected and shall not be released outside of the Government.

(2) Follow consistently the Contractor's cost accounting practices in accumulating and reporting contract performance cost data concerning this contract. If any change in cost accounting practices is made for the purposes of any contract or subcontract subject to CAS 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) of this clause, as appropriate.

(3) Comply with all CAS, including any modifications and interpretations indicated thereto contained in 48 CFR Part 9904, 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 CAS (or modifications to CAS) which hereafter become 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) (i) Agree to an equitable adjustment as provided in the Changes clause of this contract if the contract cost is affected by a change which, pursuant to subparagraph (a)(3) of this clause, the Contractor is required to make to the Contractor's established cost accounting practices.

(ii) Negotiate with the Contracting Officer to determine the terms and conditions under which a change may be made to a cost accounting practice, other than a change made under other provisions of subparagraph (a)(4) of this clause; provided that no agreement may be made under this provision that will increase costs paid by the United States.

(iii) When the parties agree to a change to a cost accounting practice, other than a change under subdivision (a)(4)(i) of this clause, negotiate an equitable adjustment as provided in the Changes clause of this contract.

(5) Agree to an adjustment of the contract price or cost allowance, as appropriate, if the Contractor or a subcontractor fails to comply with an applicable Cost Accounting Standard, or to follow any cost accounting practice consistently 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 annual rate established under section 6621 of the Internal Revenue Code of 1986 (26 U.S.C. 6621) for such period, from the time the payment by the United States was made to the time the adjustment is effected. In no case shall the Government recover costs greater than the increased cost to the Government, in the aggregate, on the relevant contracts subject to the price adjustment, unless the Contractor made a change in its cost accounting practices of which it was aware or should have been aware at the time of price negotiations and which it failed to disclose to the Government.

(b) If the parties fail to agree whether the Contractor or a subcontractor has complied with an applicable CAS in 48 CFR 9904 or a CAS rule or regulation in 48 CFR 9903 and as to any cost adjustment demanded by the United States, such failure to agree will constitute a dispute under the Contract Disputes Act (41 U.S.C. 601).

(c) The Contractor shall permit any authorized representatives of the Government 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 the Contractor enters into, the substance of this clause, except paragraph (b), and shall require such inclusion in all other subcontracts, of any tier, including the obligation to comply with all CAS in effect on the subcontractor's award date or if the

subcontractor has submitted cost or pricing data, on the date of final agreement on price as shown on the subcontractor's signed Certificate of Current Cost or Pricing Data. If the subcontract is awarded to a business unit which pursuant to 48 CFR 9903.201-2 is subject to other types of CAS coverage, the substance of the applicable clause set forth in subsection 30.201-4 of the Federal Acquisition Regulation shall be inserted. This requirement shall apply only to negotiated subcontracts in excess of $500,000, except that the requirement shall not apply to negotiated subcontracts otherwise exempt from the requirement to include a CAS clause as specified in 48 CFR 9903.201-1.

I-73. 52.230-5 Cost Accounting Standards—Educational Institution (Apr 1998)

(a) Unless the contract is exempt under 48 CFR 9903.201-1 and 9903.201-2, the provisions of 48 CFR 9903 are incorporated herein by reference and the Contractor, in connection with this contract, shall —

(1) (*CAS-covered Contracts Only*). If a business unit of an educational institution required to submit a Disclosure Statement, disclose in writing the Contractor's cost accounting practices as required by 48 CFR 9903.202-1 through 9903.202-5, including methods of distinguishing direct costs from indirect costs and the basis used for accumulating and allocating indirect costs. 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 a Cost Accounting Standards (CAS) 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 shall be protected and shall not be released outside of the Government.

(2) Follow consistently the Contractor's cost accounting practices in accumulating and reporting contract performance cost data concerning this contract. If any change in cost accounting practices is made for the purposes of any contract or subcontract subject to CAS requirements, the change must be applied prospectively to this contract and the Disclosure Statement, if required, must be amended accordingly. If an accounting principle change mandated under Office of Management and Budget (OMB) Circular A-21, Cost Principles for Educational Institutions, requires that a change in the Contractor's cost accounting practices be made after the date of this contract award, the change must be applied prospectively to this contract and the Disclosure Statement, if required, 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) of this clause, as appropriate.

(3) Comply with all CAS, including any modifications and interpretations indicated thereto contained in 48 CFR 9905 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 CAS (or modifications to CAS) which hereafter become 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) (i) Agree to an equitable adjustment as provided in the Changes clause of this contract if the contract cost is affected by a change which, pursuant to subparagraph (a)(3) of this clause, the Contractor is required to make to the Contractor's established cost accounting practices.

(ii) Negotiate with the Contracting Officer to determine the terms and conditions under which a change may be made to a cost accounting practice, other than a change made under other provisions of subparagraph (a)(4) of this clause; provided that no agreement may be made under this provision that will increase costs paid by the United States.

(iii) When the parties agree to a change to a cost accounting practice, other than a change under subdivision (a)(4)(i) or (a)(4)(iv) of this clause, negotiate an equitable adjustment as provided in the Changes clause of this contract.

(iv) Agree to an equitable adjustment as provided in the Changes clause of this contract, if the contract cost is materially affected by an OMB Circular A-21 accounting principle amendment which, on becoming effective after the date of contract award, requires the Contractor to make a change to the Contractor's established cost accounting practices.

(5) Agree to an adjustment of the contract price or cost allowance, as appropriate, if the Contractor or a subcontractor fails to comply with an applicable Cost Accounting Standard, or to follow any cost accounting practice consistently 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 annual rate established under section 6621 of the Internal Revenue Code of 1986 (26 U.S.C. 6621) for such period, from the time the payment by the United States was made to the time the adjustment is effected. In no case shall the Government recover costs greater than the increased cost to the Government, in the aggregate, on the relevant contracts subject to the

price adjustment, unless the Contractor made a change in its cost accounting practices of which it was aware or should have been aware at the time of price negotiations and which it failed to disclose to the Government.

(b) If the parties fail to agree whether the Contractor or a subcontractor has complied with an applicable CAS or a CAS rule or regulation in 48 CFR 9903 and as to any cost adjustment demanded by the United States, such failure to agree will constitute a dispute under the Contract Disputes Act (41 U.S.C. 601).

(c) The Contractor shall permit any authorized representatives of the Government 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 the Contractor enters into, the substance of this clause, except paragraph (b), and shall require such inclusion in all other subcontracts, of any tier, including the obligation to comply with all applicable CAS in effect on the subcontractor's award date or, if the subcontractor has submitted cost or pricing data, on the date of final agreement on price as shown on the subcontractor's signed Certificate of Current Cost or Pricing Data, except that —

(1) If the subcontract is awarded to a business unit which pursuant to 48 CFR 9903.201-2 is subject to other types of CAS coverage, the substance of the applicable clause set forth in 48 CFR 9903.201-4 shall be inserted;

(2) This requirement shall apply only to negotiated subcontracts in excess of $500,000; and

(3) The requirement shall not apply to negotiated subcontracts otherwise exempt from the requirement to include a CAS clause as specified in 48 CFR 9903.201-1.

I-74. 52.230-6 Administration of Cost Accounting Standards (Apr 1996)

For the purpose of administering the Cost Accounting Standards (CAS) requirements under this contract, the Contractor shall take the steps outlined in paragraphs (a) through (g) of this clause:

(a) Submit to the Contracting Officer a description of any cost accounting practice change, the total potential impact of the change on contracts containing a CAS clause, and a general dollar magnitude of the change which identifies the potential shift of costs between CAS-covered contracts by contract type (i.e., firm-fixed-price, incentive, cost-plus-fixed fee, etc.) and other contractor business activity. As related to CAS-covered contracts, the analysis should identify the potential impact on funds of the various Agencies/Departments (i.e., Department of

Energy, National Aeronautics and Space Administration, Army, Navy, Air Force, other Department of Defense, other Government) as follows:

(1) For any change in cost accounting practices required in accordance with subparagraph (a)(3) and subdivision (a)(4)(i) of the clause at FAR 52.230-2, Cost Accounting Standards; or subparagraph (a)(3) and subdivisions (a)(4)(i) or (a)(4)(iv) of the clause at FAR 52.230-5, Cost Accounting Standards—Educational Institution; within 60 days (or such other date as may be mutually agreed to) after award of a contract requiring this change.

(2) For any change in cost accounting practices proposed in accordance with subdivision (a)(4)(ii) or (iii) of the clauses at FAR 52.230-2, Cost Accounting Standards, and FAR 52.230-5, Cost Accounting Standards—Educational Institution; or with subparagraph (a)(3) of the clause at FAR 52.230-3, Disclosure and Consistency of Cost Accounting Practices, not less than 60 days (or such other date as may be mutually agreed to) before the effective date of the proposed change.

(3) For any failure to comply with an applicable CAS or to follow a disclosed practice (as contemplated by subparagraph (a)(5) at FAR 52.230-2, Cost Accounting Standards, and FAR 52.230-5, Cost Accounting Standards—Educational Institution; or by subparagraph (a)(4) at FAR 52.230-3, Disclosure and Consistency of Cost Accounting Practices):

(i) Within 60 days (or such other date as may be mutually agreed to) after the date of agreement with the initial finding of noncompliance, or

(ii) In the event of Contractor disagreement with the initial finding of noncompliance, within 60 days of the date the Contractor is notified by the Contracting Officer of the determination of noncompliance.

(b) After an ACO, or cognizant Federal agency official, determination of materiality, submit a cost impact proposal in the form and manner specified by the 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 paragraph (a) of this clause. The cost impact proposal shall be in sufficient detail to permit evaluation, determination, and negotiation of the cost impact upon each separate CAS-covered contract and subcontract.

(1) Cost impact proposals submitted for changes in cost accounting practices required in accordance with subparagraph (a)(3) and subdivision (a)(4)(i) of the clause at FAR 52.230-2, Cost Accounting Standards; or subparagraph (a)(3) and subdivisions (a)(4)(i) or (a)(4)(iv) of the clause at FAR 52.230-5, Cost Accounting Standards—Educational Institution; shall identify the applicable standard or cost principle and all contracts and subcontracts

containing the clauses entitled Cost Accounting Standards or Cost Accounting Standards—Educational Institution, which have an award date before the effective date of that standard or cost principle.

(2) Cost impact proposals submitted for any change in cost accounting practices proposed in accordance with subdivisions (a)(4)(ii) or (iii) of the clauses at FAR 52.230-2, Cost Accounting Standards, and FAR 52.230-5, Cost Accounting Standards—Educational Institution; or with subparagraph (a)(3) of the clause at FAR 52.230-3, Disclosure and Consistency of Cost Accounting Practices; shall identify all contracts and subcontracts containing the clauses at FAR 52.230-2, Cost Accounting Standards, FAR 52.230-5, Cost Accounting Standards—Educational Institution, and FAR 52.230-3, Disclosure and Consistency of Cost Accounting Practices.

(3) Cost impact proposals submitted for failure to comply with an applicable CAS or to follow a disclosed practice as contemplated by subparagraph (a)(5) of the clauses at FAR 52.230-2, Cost Accounting Standards, and FAR 52.230-5, Cost Accounting Standards—Educational Institution; or by subparagraph (a)(4) of the clause at FAR 52.230-3, Disclosure and Consistency of Cost Accounting Practices, shall identify the cost impact on each separate CAS covered contract from the date of failure to comply until the noncompliance is corrected.

(c) If the submissions required by paragraphs (a) and (b) of this clause are not submitted within the specified time, or any extension granted by the Contracting Officer, an amount not to exceed 10 percent of each subsequent amount determined payable related to the Contractor's CAS-covered prime contracts, up to the estimated general dollar magnitude of the cost impact, may be withheld until such time as the required submission has been provided in the form and manner specified by the Contracting Officer.

(d) Agree to appropriate contract and subcontract amendments to reflect adjustments established in accordance with subparagraphs (a)(4) and (a)(5) of the clauses at FAR 52.230-2 and 52.230-5; or with subparagraphs (a)(3) or (a)(4) of the Disclosure and Consistency of Cost Accounting Practices clause at FAR 52.230-3.

(e) For all subcontracts subject to the clauses at FAR 52.230-2, 52.230-3, or 52.230-5 —

(1) So state in the body of the subcontract, in the letter of award, or in both (self-deleting clauses shall not be used); and

(2) Include the substance of this clause in all negotiated subcontracts. In addition, within 30 days after award of the subcontract, submit the following information to the Contractor's cognizant contract administration office for

transmittal to the contract administrative office cognizant of the subcontractor's facility:

(i) Subcontractor's name and subcontract number.

(ii) Dollar amount and date of award.

(iii) Name of Contractor making the award.

(iv) Any changes the subcontractor has made or proposes to make to cost accounting practices that affect prime contracts or subcontracts containing the clauses at FAR 52.230-2, 52.230-3, or 52.230-5, unless these changes have already been reported. If award of the subcontract results in making one or more CAS effective for the first time, this fact shall also be reported.

(f) Notify the Contracting Officer in writing of any adjustments required to subcontracts under this contract and agree to an adjustment, based on them, to this contract price or estimated cost and fee. This notice is due within 30 days after proposed subcontract adjustments are received and shall include a proposal for adjusting the higher tier subcontract or the prime contract appropriately.

(g) For subcontracts containing the clauses at FAR 52.230-2 or 52.230-5, require the subcontractor to comply with all Standards in effect on the date of award or of final agreement on price, as shown on the subcontractor's signed Certificate of Current Cost or Pricing Data, whichever is earlier.

I-75. 52.232-17 Interest (Jun 1996)

(a) Except as otherwise provided in this contract under a Price Reduction for Defective Cost or Pricing Data clause or a Cost Accounting Standards clause, all amounts that become payable by the Contractor to the Government under this contract [net of any applicable tax credit under the Internal Revenue Code (26 U.S.C. 1481)] shall bear simple interest from the date due until paid unless paid within 30 days of becoming due. The interest rate shall be the interest rate established by the Secretary of the Treasury as provided in Section 12 of the Contract Disputes Act of 1978 (Public Law 95-563), which is applicable to the period in which the amount becomes due, as provided in paragraph (b) of this clause, and then at the rate applicable for each six-month period as fixed by the Secretary until the amount is paid.

(b) Amounts shall be due at the earliest of the following dates:

(1) The date fixed under this contract.

(2) The date of the first written demand for payment consistent with this contract, including any demand resulting from a default termination.

(3) The date the Government transmits to the Contractor a proposed supplemental agreement to confirm completed negotiations establishing the amount of debt.

(4) If this contract provides for revision of prices, the date of written notice to the Contractor stating the amount of refund payable in connection with a pricing proposal or a negotiated pricing agreement not confirmed by contract modification.

(c) The interest charge made under this clause may be reduced under the procedures prescribed in 32.614-2 of the Federal Acquisition Regulation in effect on the date of this contract.

I-76. 52.232-18 Availability of Funds (Apr 1984)

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

I-77. 52.233-1 Disputes (Oct 1995)—Alternate I (Dec 1991)

(a) This contract is subject to the Contract Disputes Act of 1978, as amended (41 U.S.C. 601-613).

(b) Except as provided in the Act, all disputes arising under or relating to this contract shall be resolved under this clause.

(c) "Claim," as used in this clause, means a written demand or written assertion by one of the contracting parties seeking, as a matter of right, the payment of money in a sum certain, the adjustment or interpretation of contract terms, or other relief arising under or relating to this contract. A claim arising under a contract, unlike a claim relating to that contract, is a claim that can be resolved under a contract clause that provides for the relief sought by the claimant. However, a written demand or written assertion by the Contractor seeking the payment of money exceeding $100,000 is not a claim under the Act until certified as required by subparagraph (d)(2) of this clause. A voucher, invoice, or other routine request for payment that is not in dispute when submitted is not a claim under the Act. The submission may be converted to a claim under the Act, by complying with the submission and certification requirements of this clause, if it is disputed either as to liability or amount or is not acted upon in a reasonable time.

(d) (1) A claim by the Contractor shall be made in writing and, unless otherwise stated in this contract, submitted within 6 years after accrual of the claim to the Contracting Officer for a written decision. A claim by the Government against the Contractor shall be subject to a written decision by the Contracting Officer.

(2) (i) Contractors shall provide the certification specified in subparagraph (d)(2)(iii) of this clause when submitting any claim —

(A) Exceeding $100,000; or

(B) Regardless of the amount claimed, when using —

(1) Arbitration conducted pursuant to 5 U.S.C. 575-580; or

(2) Any other alternative means of dispute resolution (ADR) technique that the agency elects to handle in accordance with the Administrative Dispute Resolution Act (ADRA).

(ii) The certification requirement does not apply to issues in controversy that have not been submitted as all or part of a claim.

(iii) The certification shall state as follows: “I certify that the claim is made in good faith; that the supporting data are accurate and complete to the best of my knowledge and belief; that the amount requested accurately reflects the contract adjustment for which the Contractor believes the Government is liable; and that I am duly authorized to certify the claim on behalf of the Contractor.”

(3) The certification may be executed by any person duly authorized to bind the Contractor with respect to the claim.

(e) For Contractor claims of $100,000 or less, the Contracting Officer must, if requested in writing by the Contractor, render a decision within 60 days of the request. For Contractor-certified claims over $100,000, the Contracting Officer must, within 60 days, decide the claim or notify the Contractor of the date by which the decision will be made.

(f) The Contracting Officer’s decision shall be final unless the Contractor appeals or files a suit as provided in the Act.

(g) If the claim by the Contractor is submitted to the Contracting Officer or a claim by the Government is presented to the Contractor, the parties, by mutual consent, may agree to use ADR. If the Contractor refuses an offer for alternative disputes resolution, the Contractor shall inform the Contracting Officer, in writing, of the Contractor’s specific reasons for rejecting the request. When using arbitration

conducted pursuant to 5 U.S.C. 575-580, or when using any other ADR technique that the agency elects to handle in accordance with the ADRA, any claim, regardless of amount, shall be accompanied by the certification described in subparagraph (d)(2)(iii) of this clause, and executed in accordance with subparagraph (d)(3) of this clause.

(h) The Government shall pay interest on the amount found due and unpaid from

(1) the date that the Contracting Officer receives the claim (certified, if required); or

(2) the date that payment otherwise would be due, if that date is later, until the date of payment. With regard to claims having defective certifications, as defined in FAR 33.201, interest shall be paid from the date that the Contracting Officer initially receives the claim. Simple interest on claims shall be paid at the rate, fixed by the Secretary of the Treasury as provided in the Act, which is applicable to the period during which the Contracting Officer receives the claim and then at the rate applicable for each 6-month period as fixed by the Treasury Secretary during the pendency of the claim.

(i) The Contractor shall proceed diligently with performance of this contract, pending final resolution of any request for relief, claim, appeal, or action arising under or relating to the contract, and comply with any decision of the Contracting Officer.

I-78. 52.233-3 Protest after Award (Aug 1996) (Alternate I) (Jun 1985)

(a) Upon receipt of a notice of protest (as defined in FAR 33.101) or a determination that a protest is likely [see FAR 33.102(d)], the Contracting Officer may, by written order to the Contractor, direct the Contractor to stop performance of the work called for by this contract. The order shall be specifically identified as a stop-work order issued under this clause. Upon receipt of the order, the Contractor shall immediately 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. Upon receipt of the final decision in the protest, the Contracting Officer shall either —

(1) Cancel the stop-work order; or

(2) Terminate the work covered by the order as provided in the Termination clause of this contract.

(b) If a stop-work order issued under this clause is canceled either before or after a final decision in the protest, the Contractor shall resume work. The Contracting Officer shall make an equitable adjustment in the delivery schedule, the estimated

cost, the fee, or a combination thereof, and any other terms of the contract that may be affected, and the contract shall be modified, in writing, accordingly, if —

(1) 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

(2) The Contractor asserts its right to an adjustment within 30 days after the end of the period of work stoppage; *provided*, that if the Contracting Officer decides the facts justify the action, the Contracting Officer may receive and act upon a proposal at any time before final payment under this contract.

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

(d) If a stop-work order is not canceled and the work covered by the order is terminated for default, the Contracting Officer shall allow, by equitable adjustment or otherwise, reasonable costs resulting from the stop-work order.

(e) The Government's rights to terminate this contract at any time are not affected by action taken under this clause.

(f) If, as the result of the Contractor's intentional or negligent misstatement, misrepresentation, or miscertification, a protest related to this contract is sustained, and the Government pays costs, as provided in FAR 33.102(b)(2) or 33.104(h)(1), the Government may require the Contractor to reimburse the Government the amount of such costs. In addition to any other remedy available, and pursuant to the requirements of Subpart 32.6, the Government may collect this debt by offsetting the amount against any payment due the Contractor under any contract between the Contractor and the Government.

I-79. 52.237-2 Protection of Government Buildings, Equipment, and Vegetation (Apr 1984)

The Contractor shall use reasonable care to avoid damaging existing buildings, equipment, and vegetation on the Government installation. If the Contractor's failure to use reasonable care causes damage to any of this property, the Contractor shall replace or repair the damage at no expense to the Government as the Contracting Officer directs. If the Contractor fails or refuses to make such repair or replacement, the Contractor shall be liable for the cost, which may be deducted from the contract price.

I-80. 52.237-3 Continuity of Services (Jan 1991)

(a) The Contractor recognizes that the services under this contract are vital to the Government and must be continued without interruption and that, upon contract expiration, a successor, either the Government or another contractor, may continue them. The Contractor agrees to —

(1) Furnish phase-in training; and

(2) Exercise its best efforts and cooperation to effect an orderly and efficient transition to a successor.

(b) The Contractor shall, upon the Contracting Officer's written notice, (1) furnish phase-in, phase-out services for up to 90 days after this contract expires and (2) negotiate in good faith a plan with a successor to determine the nature and extent of phase-in, phase-out services required. The plan shall specify a training program and a date for transferring responsibilities for each division of work described in the plan, and shall be subject to the Contracting Officer's approval. The Contractor shall provide sufficient experienced personnel during the phase-in, phase-out period to ensure that the services called for by this contract are maintained at the required level of proficiency.

(c) The Contractor shall allow as many personnel as practicable to remain on the job to help the successor maintain the continuity and consistency of the services required by this contract. The Contractor also shall disclose necessary personnel records and allow the successor to conduct on-site interviews with these employees. If selected employees are agreeable to the change, the Contractor shall release them at a mutually agreeable date and negotiate transfer of their earned fringe benefits to the successor.

(d) The Contractor shall be reimbursed for all reasonable phase-in, phase-out costs (i.e., costs incurred within the agreed period after contract expiration that result from phase-in, phase-out operations) and a fee (profit) not to exceed a pro rata portion of the fee (profit) under this contract.

I-81. 52.239-1 Privacy or Security Safeguards (Aug 1996)

(a) The Contractor shall not publish or disclose in any manner, without the Contracting Officer's written consent, the details of any safeguards either designed or developed by the Contractor under this contract or otherwise provided by the Government.

(b) To the extent required to carry out a program of inspection to safeguard against threats and hazards to the security, integrity, and confidentiality of Government data, the Contractor shall afford the Government access to the Contractor's

facilities, installations, technical capabilities, operations, documentation, records, and databases.

(c) If new or unanticipated threats or hazards are discovered by either the Government or the Contractor, or if existing safeguards have ceased to function, the discoverer shall immediately bring the situation to the attention of the other party.

I-82. 52.242-1 Notice of Intent to Disallow Costs (Apr 1984)

(a) Notwithstanding any other clause of this contract —

(1) The Contracting Officer may at any time issue to the Contractor a written notice of intent to disallow specified costs incurred or planned for incurrence under this contract that have been determined not to be allowable under the contract terms; and

(2) The Contractor may, after receiving a notice under subparagraph (1) above, submit a written response to the Contracting Officer, with justification for allowance of the costs. If the Contractor does respond within 60 days, the Contracting Officer shall, within 60 days of receiving the response, either make a written withdrawal of the notice or issue a written decision.

(b) Failure to issue a notice under this Notice of Intent to Disallow Costs clause shall not affect the Government's rights to take exception to incurred costs.

I-83. 52.242-3 Penalties for Unallowable Costs (Oct 1995)

(a) *Definition.* "Proposal," as used in this clause, means either —

(1) A final indirect cost rate proposal submitted by the Contractor after the expiration of its fiscal year which —

(i) Relates to any payment made on the basis of billing rates; or

(ii) Will be used in negotiating the final contract price; or

(2) The final statement of costs incurred and estimated to be incurred under the Incentive Price Revision clause (if applicable), which is used to establish the final contract price.

(b) Contractors which include unallowable indirect costs in a proposal may be subject to penalties. The penalties are prescribed in 10 U.S.C. 2324 or 41 U.S.C. 256, as applicable, which is implemented in Section 42.709 of the Federal Acquisition Regulation (FAR).

(c) The Contractor shall not include in any proposal any cost which is unallowable, as defined in Part 31 of the FAR, or an executive agency supplement to Part 31 of the FAR.

(d) If the Contracting Officer determines that a cost submitted by the Contractor in its proposal is expressly unallowable under a cost principle in the FAR, or an executive agency supplement to the FAR, that defines the allowability of specific selected costs, the Contractor shall be assessed a penalty equal to —

(1) The amount of the disallowed cost allocated to this contract; plus

(2) Simple interest, to be computed —

(i) On the amount the Contractor was paid (whether as a progress or billing payment) in excess of the amount to which the Contractor was entitled; and

(ii) Using the applicable rate effective for each six-month interval prescribed by the Secretary of the Treasury pursuant to Pub. L. 92-41 (85 Stat. 97).

(e) If the Contracting Officer determines that a cost submitted by the Contractor in its proposal includes a cost previously determined to be unallowable for that Contractor, then the Contractor will be assessed a penalty in an amount equal to two times the amount of the disallowed cost allocated to this contract.

(f) Determinations under paragraphs (d) and (e) of this clause are final decisions within the meaning of the Contract Disputes Act of 1978 (41 U.S.C. 601, *et seq*.).

(g) Pursuant to the criteria in FAR 42.709-5, the Contracting Officer may waive the penalties in paragraph (d) or (e) of this clause.

(h) Payment by the Contractor of any penalty assessed under this clause does not constitute repayment to the Government of any unallowable cost which has been paid by the Government to the Contractor.

I-84. 52.242-13 Bankruptcy (Jul 1995)

In the event the Contractor enters into proceedings relating to bankruptcy, whether voluntary or involuntary, the Contractor agrees to furnish, by certified mail or electronic commerce method authorized by the contract, written notification of the bankruptcy to the Contracting Officer responsible for administering the contract. This notification shall be furnished within five days of the initiation of the proceedings relating to bankruptcy filing. This notification shall include the date on which the bankruptcy petition was filed, the identity of the court in which the bankruptcy petition was filed, and a listing of Government contract numbers and contracting offices for all

Government contracts against which final payment has not been made. This obligation remains in effect until final payment under this contract.

I-85. 52.244-5 Competition in Subcontracting (Dec 1996)

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

(b) If the Contractor is an approved mentor under the Department of Defense Pilot Mentor-Protégée Program (Pub. L. 101-510, section 831 as amended), the Contractor may award subcontracts under this contract on a noncompetitive basis to its protégées.

I-86. 52.244-6 Subcontracts for Commercial Items and Commercial Components (Apr 1998)

(a) *Definitions.*

"Commercial item," as used in this clause, has the meaning contained in the clause at 52.202-1, Definitions.

"Subcontract," as used in this clause, includes a transfer of commercial items between divisions, subsidiaries, or affiliates of the Contractor or subcontractor at any tier.

(b) To the maximum extent practicable, the Contractor shall incorporate, and require its subcontractors at all tiers to incorporate, commercial items or nondevelopmental items as components of items to be supplied under this contract.

(c) Notwithstanding any other clause of this contract, the Contractor is not required to include any FAR provision or clause, other than those listed below to the extent they are applicable and as may be required to establish the reasonableness of prices under Part 15, in a subcontract at any tier for commercial items or commercial components:

(1) 52.222-26, Equal Opportunity (E.O. 11246);

(2) 52.222-35, Affirmative Action for Disabled Veterans and Veterans of the Vietnam Era [38 U.S.C. 4212(a)];

(3) 52.222-36, Affirmative Action for Handicapped Workers (29 U.S.C. 793); and

(4) 52.247-64, Preference for Privately Owned U.S.-Flagged Commercial Vessels (46 U.S.C. 1241) (flow down not required for subcontracts awarded beginning May 1, 1996).

(d) The Contractor shall include the terms of this clause, including this paragraph (d), in subcontracts awarded under this contract.

I-87. 52.247-1 Commercial Bill of Lading Notations (Apr 1984)

If the Contracting Officer authorizes supplies to be shipped on a commercial bill of lading and the Contractor will be reimbursed these transportation costs as direct allowable costs, the Contractor shall ensure before shipment is made that the commercial shipping documents are annotated with either of the following notations, as appropriate:

(a) If the Government is shown as the consignor or the consignee, the annotation shall be:

Transportation is for the _____ [*name the specific agency*] and the actual total transportation charges paid to the carrier(s) by the consignor or consignee are assignable to, and shall be reimbursed by, the Government.

(b) If the Government is not shown as the consignor or the consignee, the annotation shall be:

Transportation is for the _____ [*name the specific agency*] and the actual total transportation charges paid to the carrier(s) by the consignor or consignee shall be reimbursed by the Government, pursuant to cost-reimbursement contract No. _____. This may be confirmed by contacting _____ [*Name and address of the contract administration office listed in the contract*].

I-88. 52.247-63 Preference for U.S.-Flag Air Carriers (Jan 1997)

(a) "International air transportation," as used in this clause, means transportation by air between a place in the United States and a place outside the United States or between two places both of which are outside the United States.

"United States," as used in this clause, means the 50 States, the District of Columbia, the Commonwealth of Puerto Rico, and possessions of the United States.

"U.S.-flag air carrier," as used in this clause, means an air carrier holding a certificate under 49 U.S.C. Chapter 411.

(b) Section 5 of the International Air Transportation Fair Competitive Practices Act of 1974 (49 U.S.C. 40118) (Fly America Act) requires that all Federal agencies

and Government contractors and subcontractors use U.S.-flag air carriers for U.S. Government-financed international air transportation of personnel (and their personal effects) or property, to the extent that service by those carriers is available. It requires the Comptroller General of the United States, in the absence of satisfactory proof of the necessity for foreign-flag air transportation, to disallow expenditures from funds, appropriated or otherwise established for the account of the United States, for international air transportation secured aboard a foreign-flag air carrier if a U.S.-flag air carrier is available to provide such services.

(c) The Contractor agrees, in performing work under this contract, to use U.S.-flag air carriers for international air transportation of personnel (and their personal effects) or property to the extent that service by those carriers is available.

(d) In the event that the Contractor selects a carrier other than a U.S.-flag air carrier for international air transportation, the Contractor shall include a statement on vouchers involving such transportation essentially as follows:

Statement of Unavailability of U.S.-Flag Air Carriers

International air transportation of persons (and their personal effects) or property by U.S.-flag air carrier was not available or it was necessary to use foreign-flag air carrier service for the following reasons (see section 47.403 of the Federal Acquisition Regulation): [*State reasons*]: _____

I-89. 52.247-64 Preference for Privately Owned U.S.-Flag Commercial Vessels (Jun 1997)

(a) The Cargo Preference Act of 1954 [46 U.S.C. 1241(b)] requires that Federal departments and agencies shall transport in privately owned U.S.-flag commercial vessels at least 50 percent of the gross tonnage of equipment, materials, or commodities that may be transported in ocean vessels (computed separately for dry bulk carriers, dry cargo liners, and tankers). Such transportation shall be accomplished when any equipment, materials, or commodities, located within or outside the United States, that may be transported by ocean vessel are —

(1) Acquired for a U.S. Government agency account;

(2) Furnished to, or for the account of, any foreign nation without provision for reimbursement;

(3) Furnished for the account of a foreign nation in connection with which the United States advances funds or credits, or guarantees the convertibility of foreign currencies; or

(4) Acquired with advance of funds, loans, or guaranties made by or on behalf of the United States.

(b) The Contractor shall use privately owned U.S.-flag commercial vessels to ship at least 50 percent of the gross tonnage involved under this contract (computed separately for dry bulk carriers, dry cargo liners, and tankers) whenever shipping any equipment, materials, or commodities under the conditions set forth in paragraph (a) above, to the extent that such vessels are available at rates that are fair and reasonable for privately owned U.S.-flag commercial vessels.

(c) (1) The Contractor shall submit one legible copy of a rated on-board ocean bill of lading for each shipment to both —

(i) The Contracting Officer, and

(ii) The: Office of Cargo Preference
Maritime Administration (MAR-590)
400 Seventh Street, SW
Washington, DC 20590

Subcontractor bills of lading shall be submitted through the Prime Contractor.

(2) The Contractor shall furnish these bill of lading copies

(i) within 20 working days of the date of loading for shipments originating in the United States, or

(ii) within 30 working days for shipments originating outside the United States. Each bill of lading copy shall contain the following information:

(A) Sponsoring U.S. Government agency.
(B) Name of vessel.
(C) Vessel flag of registry.
(D) Date of loading.
(E) Port of loading.
(F) Port of final discharge.
(G) Description of commodity.
(H) Gross weight in pounds and cubic feet if available.
(I) Total ocean freight revenue in U.S. dollars.

(d) Except for contracts at or below the simplified acquisition threshold, the Contractor shall insert the substance of this clause, including this paragraph (d), in all subcontracts or purchase orders under this contract.

(e) The requirement in paragraph (a) does not apply to —

(1) Contracts at or below the simplified acquisition threshold;

(2) Cargoes carried in vessels of the Panama Canal Commission or as required or authorized by law or treaty;

(3) Ocean transportation between foreign countries of supplies purchased with foreign currencies made available, or derived from funds that are made available, under the Foreign Assistance Act of 1961 (22 U.S.C. 2353); and

(4) Shipments of classified supplies when the classification prohibits the use of non-Government vessels.

(f) Guidance regarding fair and reasonable rates for privately owned U.S.-flag commercial vessels may be obtained from the:

Office of Costs and Rates
Maritime Administration
400 Seventh Street, SW
Washington, DC 20590
Phone: 202-366-4610.

I-90. 52.247-67 Submission of Commercial Transportation Bills to the General Services Administration for Audit (Jun 1997)

(a) (1) In accordance with paragraph (a)(2) of this clause, the Contractor shall submit to the General Services Administration (GSA) for audit, legible copies of all paid freight bills/invoices, commercial bills of lading (CBL's), passenger coupons, and other supporting documents for transportation services on which the United States will assume freight charges that were paid —

(i) By the Contractor under a cost-reimbursement contract; and

(ii) By a first-tier subcontractor under a cost-reimbursement subcontract thereunder.

(2) Cost-reimbursement Contractors shall only submit for audit those CBL's with freight shipment charges exceeding $50.00. Bills under $50.00 shall be retained on-site by the Contractor and made available for GSA on-site audits. This exception only applies to freight shipment bills and is not intended to apply to bills and invoices for any other transportation services.

(b) The Contractor shall forward copies of paid freight bills/invoices, CBL's, passenger coupons, and supporting documents as soon as possible following the end of the month, in one package to the:

General Services Administration
Attn: FWA
1800 F Street, NW
Washington, DC 20405.

The Contractor shall include the paid freight bills/invoices, CBL's, passenger coupons, and supporting documents for first-tier subcontractors under a cost-reimbursement contract. If the inclusion of the paid freight bills/invoices, CBL's, passenger coupons, and supporting documents for any subcontractor in the shipment is not practicable, the documents may be forwarded to GSA in a separate package.

(c) Any original transportation bills or other documents requested by GSA shall be forwarded promptly by the Contractor to GSA. The Contractor shall ensure that the name of the contracting agency is stamped or written on the face of the bill before sending it to GSA.

(d) A statement prepared in duplicate by the Contractor shall accompany each shipment of transportation documents. GSA will acknowledge receipt of the shipment by signing and returning the copy of the statement. The statement shall show —

(1) The name and address of the Contractor;

(2) The contract number including any alpha-numeric prefix identifying the contracting office;

(3) The name and address of the contracting office;

(4) The total number of bills submitted with the statement; and

(5) A listing of the respective amounts paid or, in lieu of such listing, an adding machine tape of the amounts paid showing the Contractor's voucher or check numbers.

~~**I-91. 952.247-70 Foreign Travel (Feb 1997) (Deleted)**~~

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~~(a) Foreign travel, when charged directly, shall be subject to the prior approval of the contracting officer for each separate trip regardless of whether funds for such travel are contained in an approved budget. Foreign travel is defined as any travel outside of Canada, Mexico, and the United States and its territories and possessions.~~

~~(b) Request for approval shall be submitted at least 45 days prior to the planned departure date, be on a Request for Approval of Foreign Travel form, and when applicable, include a notification of proposed Soviet-bloc travel.~~

I-92. 52.249-14 Excusable Delays (Apr 1984)

(a) Except for defaults of subcontractors at any tier, the Contractor shall not be in default because of any failure to perform this contract under its terms if the failure arises from causes beyond the control and without the fault or negligence of the Contractor. Examples of these causes are (1) acts of God or of the public enemy, (2) acts of the Government in either its sovereign or contractual capacity, (3) fires, (4) floods, (5) epidemics, (6) quarantine restrictions, (7) strikes, (8) freight embargoes, and (9) unusually severe weather. In each instance, the failure to perform must be beyond the control and without the fault or negligence of the Contractor. "Default" includes failure to make progress in the work so as to endanger performance.

(b) If the failure to perform is caused by the failure of a subcontractor at any tier to perform or make progress, and if the cause of the failure was beyond the control of both the Contractor and subcontractor, and without the fault or negligence of either, the Contractor shall not be deemed to be in default, unless —

(1) The subcontracted supplies or services were obtainable from other sources;

(2) The Contracting Officer ordered the Contractor in writing to purchase these supplies or services from the other source; and

(3) The Contractor failed to comply reasonably with this order.

(c) Upon request of the Contractor, the Contracting Officer shall ascertain the facts and extent of the failure. If the Contracting Officer determines that any failure to perform results from one or more of the causes above, the delivery schedule shall be revised, subject to the rights of the Government under the termination clause of this contract.

I-93. 952.250-70 Nuclear Hazards Indemnity Agreement (Jun 1996)

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

(b) *Definitions*. The definitions set out in the Act shall apply to this clause.

(c) *Financial protection.* Except as hereafter permitted or required in writing by DOE, 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, as described in paragraph (d)(2) below. DOE may, however, at any time require in writing that the contractor provide and maintain financial protection of such a type and in such amount as DOE shall determine to be appropriate to cover such public liability, provided that the costs of such financial protection are reimbursed to the contractor by DOE.

(d) (1) *Indemnification*. To the extent that the contractor and other persons indemnified are not compensated by any financial protection permitted or required by DOE, DOE will indemnify the contractor and other persons indemnified against (i) claims for public liability as described in subparagraph (d)(2) of this clause; and (ii) such legal costs of the contractor and other persons indemnified as are approved by DOE, provided that DOE's liability, including such legal costs, shall not exceed the amount set forth in section 170e.(1)(B) of the Act in the aggregate for each nuclear incident or precautionary evacuation 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 (d)(1) of this clause is public liability as defined in the Act which (i) arises out of or in connection with the activities under this contract, including transportation; and (ii) arises out of or results from a nuclear incident or precautionary evacuation, as those terms are defined in the Act.

(e) (1) *Waiver of Defenses*. In the event of a nuclear incident, as defined in the Act, arising out of nuclear waste activities, as defined in the Act, the contractor, on behalf of itself and other persons indemnified, agrees to waive any issue or defense as to charitable or governmental immunity.

(2) In the event of an extraordinary nuclear occurrence which:

(i) Arises out of, results from, or occurs in the course of the construction, possession, or operation of a production or utilization facility; or

(ii) Arises out of, results from, or occurs in the course of transportation of source material, by-product material, or special nuclear material to or from a production or utilization facility; or

(iii) Arises out of or results from the possession, operation, or use by the contractor or a subcontractor of a device utilizing special nuclear material or by-product material, during the course of the contract activity; or

(iv) Arises out of, results from, or occurs in the course of nuclear waste activities, the contractor, on behalf of itself and other persons indemnified, agrees to waive:

(A) Any issue or defense as to the conduct of the claimant (including the conduct of persons through whom the claimant derives its cause of action) or fault of persons indemnified, including, but not limited to:

1. Negligence;
2. Contributory negligence;
3. Assumption of risk; or
4. Unforeseeable intervening causes, whether involving the conduct of a third person or an act of God;

(B) Any issue or defense as to charitable or governmental immunity; and

(C) Any issue or defense based on any statute of limitations, if suit is instituted within 3 years from the date on which the claimant first knew, or reasonably could have known, of his injury or change and the cause thereof. The waiver of any such issue or defense shall be effective regardless of whether such issue or defense may otherwise be deemed jurisdictional or relating to an element in the cause of action. The waiver shall be judicially enforceable in accordance with its terms by the claimant against the person indemnified.

(v) The term *extraordinary nuclear occurrence* means an event which DOE has determined to be an extraordinary nuclear occurrence as defined in the Act. A determination of whether or not there has been an extraordinary nuclear occurrence will be made in accordance with the procedures in 10 CFR part 840.

(vi) For the purposes of that determination, “offsite” as that term is used in 10 CFR part 840 means away from “the contract location” which phrase means any DOE facility, installation, or site at which contractual activity under this contract is being carried on, and any contractor-owned or controlled facility, installation, or site at which the contractor is engaged in the performance of contractual activity under this contract.

(3) The waivers set forth above:

(i) Shall be effective regardless of whether such issue or defense may otherwise be deemed jurisdictional or relating to an element in the cause of action;

(ii) Shall be judicially enforceable in accordance with its terms by the claimant against the person indemnified;

(iii) Shall not preclude a defense based upon a failure to take reasonable steps to mitigate damages;

(iv) Shall not apply to injury or damage to a claimant or to a claimant's property which is intentionally sustained by the claimant or which results from a nuclear incident intentionally and wrongfully caused by the claimant;

(v) Shall not apply to injury to a claimant who is employed at the site of and in connection with the activity where the extraordinary nuclear occurrence takes place, if benefits therefore are either payable or required to be provided under any workmen's compensation or occupational disease law;

(vi) Shall not apply to any claim resulting from a nuclear incident occurring outside the United States;

(vii) Shall be effective only with respect to those obligations set forth in this clause and in insurance policies, contracts or other proof of financial protection; and

(viii) Shall not apply to, or prejudice the prosecution or defense of, any claim or portion of claim which is not within the protection afforded under (A) the limit of liability provisions under subsection 170e of the Act, and (B) the terms of this agreement and the terms of insurance policies, contracts, or other proof of financial protection.

(f) *Notification and litigation of claims*. The contractor shall give immediate written notice to DOE of any known action or claim filed or made against the contractor or other person indemnified for public liability as defined in paragraph (d)(2). Except as otherwise directed by DOE, the contractor shall furnish promptly to DOE, copies of all pertinent papers received by the contractor or filed with respect to such actions or claims. DOE shall have the right to, and may collaborate with, the contractor and any other person indemnified in the settlement or defense of any action or claim and shall have the right to (1) require the prior approval of DOE for the payment of any claim that DOE may be required to indemnify hereunder; and (2) appear through the Attorney General on

behalf of the contractor or other person indemnified in any action brought upon any claim that DOE 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 DOE, the contractor or other person indemnified shall furnish all reasonable assistance in effecting a settlement or asserting a defense.

(g) *Continuity of DOE obligations*. The obligations of DOE under this clause 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.

(h) *Effect of other clauses*. The provisions of this clause shall not be limited in any way by, and shall be interpreted without reference to, any other clause of this contract, including the clause entitled Contract Disputes, provided, however, that this clause shall be subject to the clauses entitled Covenant Against Contingent Fees, and Audit and Records Negotiation, and any provisions that are later added to this contract as required by applicable Federal law, including statutes, executive orders and regulations, to be included in Nuclear Hazards Indemnity Agreements.

(i) *Civil penalties*. The contractor and its subcontractors and suppliers who are indemnified under the provisions of this clause are subject to civil penalties, pursuant to 234A of the Act, for violations of applicable DOE nuclear-safety related rules, regulations, or orders.

(j) *Criminal penalties*. Any individual director, officer, or employee of the contractor or of its subcontractors and suppliers who are indemnified under the provisions of this clause are subject to criminal penalties, pursuant to 223(c) of the Act, for knowing and willful violation of the Atomic Energy Act of 1954, as amended, and applicable DOE nuclear safety-related rules, regulations or orders which violation results in, or, if undetected, would have resulted in a nuclear incident.

(k) *Inclusion in subcontracts*. The contractor shall insert this clause in any subcontract which may involve the risk of public liability, as that term is defined in the Act and further described in paragraph (d)(2) above. However, this clause shall not be included in subcontracts in which the subcontractor is subject to Nuclear Regulatory Commission (NRC) financial protection requirements under section 170b of the Act or NRC agreements of indemnification under section 170c or k of the Act for the activities under the subcontract.

I-94. 52.251-1 Government Supply Sources (Apr 1984)

The Contracting Officer may issue the Contractor an authorization to use Government supply sources in the performance of this contract. Title to all property acquired by the

Contractor under such an authorization shall vest in the Government unless otherwise specified in the contract. Such property shall not be considered to be "Government-furnished property," as distinguished from "Government property." The provisions of the clause entitled "Government Property," except its paragraphs (a) and (b), shall apply to all property acquired under such authorization.

I-95. 52.251-2 Interagency Fleet Management System Vehicles and Related Services (Jan 1991)

The Contracting Officer may issue the Contractor an authorization to obtain interagency fleet management system (IFMS) vehicles and related services for use in the performance of this contract. The use, service, and maintenance of interagency fleet management system vehicles and the use of related services by the Contractor shall be in accordance with 41 CFR 101-39 and 41 CFR 101-38.301-1.

I-96. 952.251-70 Contractor Employee Travel Discounts (Jun 1995) (Modified)

Consistent with contract-authorized travel requirements, contractor employees shall make use of the travel discounts offered to Federal travelers, through use of contract airline fares, offered hotel and motel lodging rates and negotiated car rental rates, when use of such discounts would result in lower overall trip costs and the services are reasonably available to contractor employees performing official Government contract business. Vendors providing these services may require that the contractor employee traveling on Government business be furnished with a letter of identification signed by the authorized contracting officer.

(a) *Contract airlines.* Airlines participating in travel discounts are listed in commercial publications. Regulations governing the use of contract airlines are contained in the Federal Travel Regulation (FTR), 41 CFR part 301-15, sets out the authorized methods of obtaining contract fares when such fares are available to cost-reimbursement contractor employees.

(b) *Hotels/motels.* Participating hotels and motels which extend discounts are listed in the commercial publications, which show rates and facilities, and identify by code those properties which offer reduced rates to cost-reimbursable contractor employees while traveling on official contract business.

(c) *Car rentals.* The Military Traffic Management Command (MTMC) Department of Defense, negotiates rate agreements with car rental companies for special flat rates and unlimited mileage. Participating car rental companies which offer these terms to cost-reimbursable contractor employees while traveling on official contract business are listed in the commercial publications.

(d) Procedures for obtaining service.

(1) Identification and method of payment requirements for participating Federal contract airlines are listed in the FTR. Available travel discount air fares may be ordered by an eligible contractor Travel Management Center (TMC), provided the letter of identification signed by the cognizant contracting officer accompanies the order. In appropriate instances, such as geographical proximity, the eligible contractors may obtain discount air fares through a DOE office or a cooperating local travel agency when a TMC is not available. Some airlines allow the purchase of discounted air fares with cash or credit card.

(2) In the case of hotel and motel accommodations, reservations may be made by the contractor employee directly with the hotel or motel but the employee must display, on arrival, the letter of identification and any other identification required by the hotel or motel proprietorship.

(3) For car rentals, generally the same procedures as in (d)(2) above will be followed in arranging reservations and obtaining discounts.

(e) Standard letter of identification. Contractors shall prepare for the authorizing contracting officer a letter of identification based on the following format:

FORMAT FOR GOVERNMENT CONTRACTORS TO QUALIFY FOR TRAVEL DISCOUNTS **(TO BE TYPED ON AGENCY OFFICIAL LETTERHEAD)**
To: (Source of ticketing, accommodations or rental)
Subject: Official Travel of Government Contractor

(Full name of traveler), bearer of this letter, is an employee of **(company name)** which is under contract to this agency under the Government contract **(contract number)**. During the period of the contract **(give dates)**, the employee is eligible and authorized to use available discount rates for contract-related travel in accordance with your contract and/or agreement with the Federal Government. **(Signature, title and telephone number of the contracting officer)**.

I-97. 52.252-6 Authorized Deviations in Clauses (Apr 1984)

(a) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR Chapter 1) clause with an authorized deviation is indicated by the addition of (*DEVIATION*) after the date of the clause.

(b) The use in this solicitation or contract of any Federal Acquisition Regulation (48 CFR 52) and Department of Energy Acquisition Regulation (48 CFR 952 and 970) clause with an authorized deviation is indicated by the addition of (*DEVIATION*) after the name of the regulation.

I-98. 52.253-1 Computer Generated Forms (Jan 1991)

(a) Any data required to be submitted on a Standard or Optional Form prescribed by the Federal Acquisition Regulation (FAR) may be submitted on a computer generated version of the form, *provided* there is no change to the name, content, or sequence of the data elements on the form, and provided the form carries the Standard or Optional Form number and edition date.

(b) Unless prohibited by agency regulations, any data required to be submitted on an agency unique form prescribed by an agency supplement to the FAR may be submitted on a computer generated version of the form provided there is no change to the name, content, or sequence of the data elements on the form and provided the form carries the agency form number and edition date.

(c) If the Contractor submits a computer generated version of a form that is different than the required form, then the rights and obligations of the parties will be determined based on the content of the required form.

I-99. 970.5203-3 Buy American Act—Supplies (Jan 1994)

(a) The Buy American Act (41 U.S.C. 10) provides that the Government give preference to domestic end products.

"Components," as used in this clause, means those articles, materials, and supplies incorporated directly into the end products.

"Domestic end product," as used in this clause, means (1) an unmanufactured end product mined or produced in the United States, or (2) an end product manufactured in the United States, if the cost of its components mined, produced, or manufactured in the United States exceeds 50 percent of the cost of all its components. Components of foreign origin of the same class or kind as the products referred to in subparagraphs (b)(2) or (3) of this clause shall be treated as domestic. Scrap generated, collected, and prepared for processing in the United States is considered domestic.

"End products," as used in this clause, means those articles, materials, and supplies to be acquired for public use under this contract.

(b) The Contractor shall use only domestic end products, except those —

(1) For use outside the United States;

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

(3) For which the agency determines that domestic preference would be inconsistent with the public interest; or

(4) For which the agency determines the cost to be unreasonable (see FAR 25.105).

I-100. 970.5204-1(b) Counterintelligence (Sep 1997) (Modified)

(a) The contractor shall take all reasonable precautions in the work under this contract to protect DOE programs, facilities, technology, personnel, unclassified sensitive information and classified matter from foreign intelligence threats and activities conducted for governmental or industrial purposes, in accordance with DOE Order 5670.3, Counterintelligence Program; Executive Order 12333, U.S. Intelligence Activities; and other pertinent national and Departmental Counterintelligence requirements.

(b) *(Modification)* The contractor shall appoint a qualified employee(s) to function as the Contractor Counterintelligence Officer *to support all facilities under Oak Ridge Operations*. The Contractor Counterintelligence Officer will be responsible for conducting defensive Counterintelligence briefings and debriefings of employees traveling to foreign countries or interacting with foreign nationals; providing thoroughly documented written reports relative to targeting, suspicious activity and other matters of Counterintelligence interest; immediately reporting targeting, suspicious activity and other Counterintelligence concerns to the DOE Headquarters Counterintelligence Division; and providing assistance to other elements of the U.S. Intelligence Community as stated in the aforementioned Executive Order, the DOE Counterintelligence Order, and other pertinent national and Departmental Counterintelligence requirements.

I-101. 970.5204-2 Integration of Environment, Safety, and Health into Work Planning and Execution (Jun 1997)

(a) For the purposes of this clause,

(1) Safety encompasses environment, safety and health, including pollution prevention and waste minimization; and

(2) Employees include subcontractor employees.

(b) In performing work under this contract, the Contractor shall perform work safely, in a manner that ensures adequate protection for employees, the public, and the environment, and shall be accountable for the safe performance of work. The Contractor shall exercise a degree of care commensurate with the work and the associated hazards. The Contractor shall ensure that management of environment, safety and health (ES&H) functions and activities becomes an integral but visible

part of the Contractor's work planning and execution processes. The Contractor shall, in the performance of work, ensure that:

(1) Line management is responsible for the protection of employees, the public, and the environment. Line management includes those Contractor and Subcontractor employees managing or supervising employees performing work.

(2) Clear and unambiguous lines of authority and responsibility for ensuring ES&H are established and maintained at all organizational levels.

(3) Personnel possess the experience, knowledge, skills, and abilities that are necessary to discharge their responsibilities.

(4) Resources are effectively allocated to address ES&H, programmatic, and operational considerations. Protecting employees, the public, and the environment is a priority whenever activities are planned and performed.

(5) Before work is performed, the associated hazards are evaluated and an agreed-upon set of ES&H standards and requirements are established which, if properly implemented, provide adequate assurance that employees, the public, and the environment are protected from adverse consequences.

(6) Administrative and engineering controls to prevent and mitigate hazards are tailored to the work being performed and associated hazards. Emphasis should be on designing the work and/or controls to reduce or eliminate the hazards and to prevent accidents and unplanned releases and exposures.

(7) The conditions and requirements to be satisfied for operations to be initiated and conducted are established and agreed-upon by DOE and the Contractor. These agreed-upon conditions and requirements are requirements of the contract and binding upon the Contractor. The extent of documentation and level of authority for agreement shall be tailored to the complexity and hazards associated with the work and shall be established in a Safety Management System.

(c) The Contractor shall manage and perform work in accordance with a documented Safety Management System (System) that fulfills all conditions in paragraph (b) of this clause at a minimum. Documentation of the System shall describe how the Contractor will:

(1) Define the scope of work;

(2) Identify and analyze hazards associated with the work;

(3) Develop and implement hazard controls;

(4) Perform work within controls; and

(5) Provide feedback on adequacy of controls and continue to improve safety management.

(d) The System shall describe how the Contractor will establish, document, and implement safety performance objectives, performance measures, and commitments in response to DOE program and budget execution guidance while maintaining the integrity of the System. The System shall also describe how the Contractor will measure system effectiveness.

(e) The Contractor shall submit to the Contracting Officer documentation of its System for review and approval. Dates for submittal, discussions, and revisions to the System will be established by the Contracting Officer. Guidance on the preparation, content, review, and approval of the System will be provided by the Contracting Officer. On an annual basis, the Contractor shall review and update, for DOE approval, its safety performance objectives, performance measures, and commitments consistent with and in response to DOE's program and budget execution guidance and direction. Resources shall be identified and allocated to meet the safety objectives and performance commitments as well as maintain the integrity of the entire System. Accordingly, the System shall be integrated with the Contractor's business processes for work planning, budgeting, authorization, execution, and change control.

(f) The Contractor shall comply with, and assist the Department of Energy in complying with, ES&H requirements of all applicable laws and regulations, and applicable directives identified in the clause of this contract entitled "Laws, Regulations, and DOE Directives" in Section I. The Contractor shall cooperate with Federal and non-Federal agencies having jurisdiction over ES&H matters under this contract.

(g) The Contractor shall promptly evaluate and resolve any noncompliance with applicable ES&H requirements and the System. If the Contractor fails to provide resolution or if, at any time, the Contractor's acts or failure to act causes substantial harm or an imminent danger to the environment or health and safety of employees or the public, the Contracting Officer may issue an order stopping work in whole or in part. Any stop work order issued by a Contracting Officer under this clause (or issued by the Contractor to a subcontractor in accordance with paragraph (i) of this clause) shall be without prejudice to any other legal or contractual rights of the Government. In the event that the Contracting Officer issues a stop work order, an order authorizing the resumption of the work may be issued at the discretion of the Contracting Officer. The Contractor shall not be entitled to an extension of time or additional fee or damages by reason of, or in connection with, any work stoppage ordered in accordance with this clause.

(h) The Contractor is responsible for compliance with the ES&H requirements applicable to this contract regardless of the performer of the work.

(i) The Contractor shall include a clause substantially the same as this clause in subcontracts involving complex or hazardous work on site at a DOE-owned or -leased facility. Such subcontracts shall provide for the right to stop work under the conditions described in paragraph (g) of this clause. Depending on the complexity and hazards associated with the work, the Contractor may require that the Subcontractor submit a Safety Management System for the Contractor's review and approval.

I-102. 970.5204-9 Accounts, Records, and Inspection (Jun 1996) (Modified)

(a) *Accounts.* The Contractor shall maintain a separate and distinct set of accounts, records, documents, and other evidence showing and supporting all allowable costs incurred, collections accruing to the Contractor in connection with the work under this contract, other applicable credits, and fee accruals under this contract, and the receipt, use, and disposition of all Government property coming into the possession of the Contractor under this contract. The system of accounts employed by the Contractor shall be satisfactory to DOE and in accordance with generally accepted accounting principles consistently applied.

(b) *Inspection and Audit of Accounts and Records*. All books of account and records relating to this contract shall be subject to inspection and audit by DOE or its designees in accordance with the provisions of the clause in Section I entitled, Access to and Ownership of Records, at all reasonable times, before and during the period of retention provided for in (d) below, and the Contractor shall afford DOE proper facilities for such inspection and audit.

(c) *Audit of Subcontractors' Records*. The Contractor also agrees, with respect to any subcontracts (including fixed-price or unit-price subcontracts or purchase orders) where, under the terms of the subcontract, costs incurred are a factor in determining the amount payable to the Subcontractor of any tier, to either conduct an audit of the Subcontractor's costs or arrange for such an audit to be performed by the cognizant government audit agency through the Contracting Officer.

(d) *Disposition of Record.* Except as agreed upon by the Government and the Contractor, all financial and cost reports, books of account and supporting documents, system files, data bases, and other data evidencing costs allowable, collections accruing to the Contractor in connection with the work under this contract, other applicable credits, and fee accruals under this contract, shall be the property of the Government, and shall 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 and final audit of accounts hereunder. Except as otherwise provided in this

contract, including provisions of the clause in Section I entitled, Access to and Ownership of Records, all other records in the possession of the Contractor relating to this contract shall be preserved by the Contractor for a period of three years after final payment under this contract or otherwise disposed of in such manner as may be agreed upon by the Government and the Contractor.

(e) *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.

(f) *Inspections.* The DOE shall have the right to inspect the work and activities of the Contractor under this contract at such time and in such manner as it shall deem appropriate.

(g) *Subcontracts*. The Contractor further agrees to require the inclusion of provisions similar to those in paragraphs (a) through (g) and paragraph (i) of this clause in all subcontracts (including fixed-price or unit-price subcontracts or purchase orders) of any tier entered into hereunder where, under the terms of the subcontract, costs incurred are a factor in determining the amount payable to the Subcontractor. The Contractor further agrees to include an "Audit" clause, the substance of which is the "Audit" clause set forth at FAR 52.215-2, in each subcontract which does not include provisions similar to those in paragraph (a) through paragraph (g) and paragraph (i) of this clause, but which contains a "defective cost or pricing data" clause.

(h) *Internal Audit.* The Contractor agrees to conduct an internal audit and examination satisfactory to DOE of the records, operations, expenses, and the transactions with respect to costs claimed to be allowable under this contract annually and at such other times as may be mutually agreed upon. The results of such audit, including the working papers, shall be submitted or made available to the Contracting Officer.

(i) *Comptroller General.*

(1) The Comptroller General of the United States, or an authorized representative, shall have access to and the right to examine any of the Contractor's directly pertinent records involving transactions related to this contract or a subcontract hereunder.

(2) This paragraph may not be construed to require the Contractor or subcontractor to create or maintain any record that the Contractor or subcontractor does not maintain in the ordinary course of business or pursuant to a provision of law.

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

I-103. 970.5204-11 Changes (Apr 1984) (Deviation)

(a) *Changes and adjustment of fee.*

The contracting officer may at any time and without notice to the sureties, if any, issue written directions within the general scope of this contract requiring additional work or directing the omission of, or variation in, work covered by this contract.

(1) *(Deviation)* If any such direction results in a material change in the level of the Contractor's management effort, an equitable adjustment of the fee, if any, shall be made in accordance with the agreement of the parties and the contract shall be modified in writing accordingly. Any claim by the contractor for an adjustment under this clause must be asserted in writing within 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. A failure to agree on an equitable adjustment under this clause shall be deemed to be a dispute within the meaning of the clause entitled "Disputes."

(2) *(Deviation)* Services pursuant to mutual agreement under the provisions of paragraph (e)(3) of Section C-2, Statement of Work, of this contract shall be performed without additional fee unless DOE and the contractor shall mutually agree in writing that they will constitute a material increase in the level of the contractor's management effort under this contract, in which event the parties hereto will negotiate in good faith to agree upon an equitable fee for such additional services. Failure of the parties so to agree shall constitute a dispute within the meaning of the clause entitled "Disputes."

(b) *Work to Continue*

Nothing contained in this clause shall excuse the Contractor from proceeding with the prosecution of the work in accordance with the requirements of any direction hereunder.

I-104. 970.5204-12 Contractor's Organization (Jul 1994)

(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) *Supervisory representative of contractor*. Unless otherwise directed by the contracting officer, a competent full-time resident supervisory representative of the contractor satisfactory to the contracting officer shall be in charge of the work at the site at all times. This also applies to off-site work.

(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 its employees as may be necessary. The contractor shall establish such standards and procedures as are necessary to implement effectively the provisions set forth in 970.2272, and such standards and procedures shall be subject to the approval of the contracting officer.

I-105. 970.5204-13 Allowable Costs and Fee (Management and Operating Contracts) (Mar 1998) (Modified) (Deviation)

(a) *Compensation for contractor's services*. Payment for the allowable costs as hereinafter defined, and of the fee, if any, as hereinafter provided, shall constitute full and complete compensation for the performance of the work under this contract.

(b) *Fee*. The fee payable to the contractor for the performance of the work under this contract is identified in Section B. There shall be no adjustment in the amount of the contractor's fee by reason of differences between any estimate of cost for performance of the work under this contract and the actual costs for performance of that work.

(c) *Allowable costs*. The allowable cost of performing the work under this contract shall be the costs and expenses that are actually incurred by the contractor in the performance of the contract work in accordance with its terms, that are necessary or incident thereto, and that are determined to be allowable as set forth in this paragraph. The determination of allowability of cost shall be based on:

(1) Allowability and reasonableness in accordance with FAR 31.201-2(d) and 31.201-3;

(2) Standards promulgated by the Cost Accounting Standards Board, if applicable; otherwise, generally accepted accounting principles and practices appropriate to the particular circumstances; and

(3) Recognition of all exclusions and limitations set forth in this clause or elsewhere in this contract as to types or amounts of items of cost. Allowable costs shall not include the cost of any item described as unallowable in paragraph (e) of this clause except as indicated therein. Failure to mention an item of cost specifically in paragraphs (d) or (e) of this clause shall not imply either that it is allowable or that it is unallowable.

(d) *Items of allowable cost*. Subject to the other provisions of this clause, the following items of cost of work done under this contract shall be allowable to the extent indicated:

(1) Bonds and insurance, including self-insurance, as provided in the clause entitled, Insurance—Litigation and Claims.

(2) Communication costs, including telephone services, local and long-distance calls, telegrams, cablegrams, postage, and similar items.

(3) Consulting services (including legal and accounting), and related expenses, as approved by the contracting officer, except as made unallowable by paragraphs (e)(16) and (e)(26).

(4) Reasonable litigation and other legal expenses, including counsel fees, if incurred in accordance with the clause of the contract entitled, Insurance—Litigation and Claims, and the DOE approved contractor litigation management procedures (including cost guidelines) as such procedures may be revised from time to time, and if not otherwise made unallowable in this contract.

(5) Losses and expenses (including settlements made with the consent of the contracting officer) sustained by the contractor in the performance of this contract and certified in writing by the contracting officer to be reasonable, except the losses and expenses expressly made unallowable under other provisions of this contract.

(6) Materials, supplies, and equipment, including freight transportation, material handling, inspection, storage, salvage, and other usual expenses incident to the procurement, use and disposition thereof, subject to approvals required under other provisions of this contract.

(7) Patents, purchased design, and royalty payments to the extent expressly provided for under other provisions in this contract or as approved by the contracting officer, and preparation of invention disclosures, reports and related documents, and searching the art to the extent necessary to make such invention disclosures in accordance with any “Patent Rights” clause of this contract.

(8) Personnel costs and related expenses incurred in accordance with the personnel appendix which is hereby incorporated by reference and made a part of this contract. It is specifically understood and agreed that said personnel appendix sets forth in detail personnel costs and related expenses to be allowable under this contract and is intended to document those personnel policies, practices and plans which have been found acceptable by the contracting officer. It is further understood and agreed that the contractor

will advise DOE of any proposed changes in any matters covered by said policies, practices or plans which relate to this item of cost, and that the personnel appendix may be modified from time to time in writing by mutual agreement of the contractor and DOE without execution of an amendment to this contract for the purpose of effectuating any such changes in, or additions to, said personnel appendix as may be agreed upon by the parties. Such modifications shall be evidenced by execution of written numbered approval letters from the contracting officer or his representative. Types of personnel costs and related expenses to be incorporated into the personnel appendix, or amendments thereto, are as follows:

(i) Salaries and wages; bonuses and incentive compensation; overtime, shift differential, holiday, and other premium pay for time worked; nonwork time, including vacations, holidays, sick, funeral, military, jury, witness, and voting leave; salaries and wages to employees in their capacity as union stewards and committeemen for time spent in handling grievances, or serving on labor management (contractor) committees, provided, however, that the contracting officer's approval is required in each instance of total compensation to an individual employee in accordance with Appendix A, when it is proposed that a total of 50 percent or more of such compensation be reimbursed under DOE cost-type contracts. Total compensation, as used here, includes only the employee's base salary, bonus, and incentive compensation payments;

(ii) Legally required contributions to old-age and survivors' insurance, unemployment compensation plans, and workers compensation plans, (whether or not covered by insurance); voluntary or agree-upon plans providing benefits for retirement, separation, life insurance, hospitalization, medical-surgical and unemployment (whether or not such plans are covered by insurance);

(iii) Travel (except foreign travel, which requires specific approval by the contracting officer on a case-by-case basis); incidental subsistence and other allowances of contractor employees, in connection with performance of work under this contract (including new employees reporting for work and transfer of employees, the transfer of their household goods and effects and the travel and subsistence of their dependents);

(iv) Employee relations, welfare, morale, etc.; programs including incentive or suggestion awards; employee counseling services, health or first-aid clinics; house or employee publications; and wellness/fitness centers;

(v) Personnel training (except special education and training courses and research assignments calling for attendance at educational institutions which require specific approval by the contracting officer on a case-by-case basis); including apprenticeship training programs designed to improve efficiency and productivity of contract operations, to develop needed skills, and to develop scientific and technical personnel in specialized fields required in the contract work;

(vi) Recruitment of personnel (including help-wanted advertisement), including service of employment agencies at rates not in excess of standard commercial rates, employment office, travel of prospective employees at the request of the contractor for employment interviews; and

(vii) Net cost of operating plant-site cafeteria, dining rooms, and canteens attributable to the performance of the contract.

(viii) Compensation of a senior executive, provided that such compensation does not exceed the benchmark compensation amount determined applicable for the contractor fiscal year by the Administrator, Office of Federal Procurement Policy. Costs of executive compensation shall be determined pursuant to Federal Acquisition Regulation 31.205-6(p).

(9) Repairs, maintenance, inspection, replacement, and disposal of Government-owned property and the restoration or clean-up of site and facilities to the extent approved by the contracting officer and as allowable under paragraph (f) of the clause of this contract entitled, Property.

(10) Subcontracts and purchase orders, including procurements from contractor-controlled sources, subject to approvals required by other provisions of this contract.

(11) Subscriptions to trade, business, technical, and professional periodicals, as approved by the contracting officer.

(12) Taxes, fees, and charges levied by public agencies which the contractor is required by law to pay, except those which are expressly made unallowable under other provisions of this contract.

(13) Utility services, including electricity, gas, water, and sewerage.

(14) Indemnification of the Pension Benefit Guaranty Corporation, pursuant to the Employee Retirement Income Security Act of 1974, in accordance with FAR 31.205-6(j)(3)(iv).

(15) Establishment and maintenance of financial institution accounts in connection with the work hereunder, including, but not limited to, service charges, the cost of disbursing cash, necessary guards, cashiers, and paymasters. If payments are made to employees by check, facilities and arrangements for cashing checks may be provided without expense to the employees, subject to the approval of the contracting officer.

(16) Camp operations, to the extent approved by the contracting officer.

(17) Maintenance, inspection, repair, replacement, and transportation of construction plant and equipment to the extent not covered by rentals or insurance and as provided in rental agreements approved by the contracting officer.

(18) Rental for

(i) construction plant and equipment rented by the contractor from others at rates and under written agreements approved by the contracting officer, and

(ii) construction plant and equipment owned and furnished by the contractor under this contract.

(e) *Items of unallowable costs*. The following items of costs are unallowable under this contract to the extent indicated:

(1) Advertising and public relations costs designed to promote the contractor or its products, including the costs of promotional items and memorabilia such as models, gifts and souvenirs, and the cost of memberships in civic and community organizations; except those advertising and public relations costs

(i) Specifically required by the contract,

(ii) Approved in advance by the contracting officer as clearly in furtherance of work performed under the contract,

(iii) That arise from requirements of the contract and that are exclusively for recruiting personnel, acquiring scarce items for contract performance, disposing of scrap or surplus materials, the transfer of federally owned or originated technology to State and local governments and to the private sector, or acquisition of contract-required supplies and services, or

(iv) Where the primary purpose of the activity is to facilitate contract performance in support of the DOE mission.

(2) Bad debts (including expenses of collection) and provisions for bad debts arising out of other business of the contractor.

(3) Proposal expenses and costs of proposals.

(4) Bonuses and similar compensation under any other name, which

(i) are not pursuant to an agreement between the contractor and employee prior to the rendering of the services or an established plan consistently followed by the contract or

(ii) are in excess of those costs which are allowable by the Internal Revenue Code and regulations thereunder, or

(iii) provide total compensation to an employee in excess of reasonable compensation for the services rendered.

(5) Central and branch office expenses of the contractor, except as specifically set forth in the contract.

(6) Commissions, bonuses, and fees (under whatever name) in connection with obtaining or negotiating for a Government contract or a modification thereto, except when paid to bona fide employees or bona fide established selling organizations maintained by the contractor for the purpose of obtaining Government business.

(7) Contingency reserves, provisions for.

(8) Contributions and donations, including cash, contractor-owned property and services, regardless of the recipient.

(9) Depreciation in excess of that calculated by application of methods approved for use by the Internal Revenue Code of 1954, as amended, including the straight-line declining balance (using a rate not exceeding twice the rate which would have been used had the depreciation been computed under the straight line method), or sum-of-the-years digits method, on the basis of expected useful life, to the cost of acquisition of the related fixed assets less estimated salvage or residual value at the end of the expected useful life.

(10) Dividend provisions or payments and, in the case of sole proprietors and partners, distributions of profit.

(11) Entertainment, including costs of amusement, diversion, social activities; and directly associated costs such as tickets to shows or sports events, meals, lodging, rentals, transportation, and gratuities; costs of membership in any social, dining or country club or organization.

(12) Fines and penalties, except, with respect to civil fines and penalties only, if the contractor demonstrates to the contracting officer that —

(i) Such a civil fine or penalty was incurred as a result of compliance with specific terms and conditions of the contract or written instructions from the contracting officer; or

(ii) Such a civil fine or penalty was imposed without regard to fault and could not have been avoided by the exercise of due care.

(13) Government-furnished property, except to the extent that cash payment therefore is required pursuant to procedures of DOE applicable to transfers of such property to the contractor from others.

(14) Insurance (including any provisions of a self-insurance reserve) on any person where the contractor under the insurance policy is the beneficiary, directly or indirectly, and insurance against loss of or damage to Government property as defined in the Section I entitled "Property."

(15) Interest, however represented [except (i) Interest incurred in compliance with the contract clause entitled "State and local Taxes" or, (ii) imputed interest costs relating to leases classified and accounted for as capital leases under generally accepted accounting principles (GAAP), provided that the decision to enter into a capital leasing arrangement has been specifically authorized and approved by the DOE in accordance with applicable procedures and such interest costs are recorded in an appropriately specified DOE account established for such purpose], bond discounts and expenses, and costs of financing and refinancing operations.

(16) Legal, accounting, and consulting services and related costs incurred in connection with the preparation and issuance of stock, rights, organization or reorganization, prosecution or defense of antitrust suits, prosecution of claims against the United States, contesting actions of proposed actions of the United States, and prosecution or defense of patent infringement litigation (except where incurred pursuant to the contractor's performance of the Government-funded technology transfer mission and in accordance with the Litigation and Claims article).

(17) Losses or expenses:

(i) On, or arising from the sale, exchange, or abandonment of capital assets, including investments;

(ii) On other contracts, including the contractor's contributed portion under cost-sharing contracts;

(iii) In connection with price reductions to and discount purchases by employees and others from any source;

(iv) That are compensated for by insurance or otherwise or which would have been compensated for by insurance required by law or by written direction of the contracting officer but which the contractor failed to procure or maintain through its own fault or negligence;

(v) That result from willful misconduct or lack of good faith on the part of any of the contractor's managerial personnel (as that term is defined in the clause of this contract entitled, Property);

(vi) That represent liabilities to third persons that are not allowable under the clause of this contract entitled, Insurance—Litigation and Claims; or

(vii) That represent liabilities to third persons for which the contractor has expressly accepted responsibility under other terms of this contract.

(18) Maintenance, depreciation, and other costs incidental to the contractor's idle or excess facilities (including machinery and equipment), other than reasonable standby facilities.

(19) Membership in trade, business, and professional organizations, except as approved by the contracting officer.

(20) Precontract costs, except as expressly made allowable under other provisions in this contract.

(21) Research and development costs, unless specifically provided for elsewhere in this contract.

(22) Selling cost, except to the extent they are determined to be reasonable and to be allocable to the contract. Allocability of selling costs to the contract will be determined in the light of reasonable benefit to the agency program arising from such activities as technical, consulting, demonstration, and other services performed for such purposes as applying or adapting the contractor's product for agency use.

(23) Storage of records pertaining to this contract after completion of operations under this contract, irrespective of contractual or statutory requirement for the preservation of records.

(24) *(Deviation)* Taxes, fees, and charges in connection with financing, refinancing, or refunding operations, including listing of securities on exchanges, taxes which are paid contrary to the clause entitled "State and

local taxes," federal and state and local taxes on net income and excess profits, special assessments on land which represent capital improvement and taxes on accumulated funding deficiencies of, or prohibited transactions involving, employee deferred compensation plans pursuant to section 4971 or section 4975 of the Internal Revenue Code of 1954, as amended, respectively.

(25) Travel expenses of the officers, proprietors, executives, administrative heads and other employees of the contractor's central office or branch office organizations concerned with the general management, supervision, and conduct of the contractor's business as a whole, except to the extent that particular travel is in connection with the contract and approved by the contracting officer.

(26) Salary or other compensation (and expenses related thereto) of any individual employed under this contract as a consultant or in another comparable employment capacity who is an employee of another organizational and concurrently performing work on a full-time annual basis for that organization under a cost-type contract with DOE, except to the extent that cash payment therefore is required pursuant to the provisions of this contract or procedure of DOE applicable to the borrowing of such an individual from another cost-type contractor.

(27) Travel by commercial aircraft or travel by other than common carrier that is not necessary for the performance of this contract or the cost of which exceeds the lesser of the lowest available commercial discount airfare, Government contract airfare, or customary standard (coach or equivalent) commercial airfare. Airfare costs in excess of the lowest such airfare are unallowable, except when such accommodations: Require circuitous routing; require travel during unreasonable hours; excessively prolong travel; result in increased cost that would offset transportation savings; would offer accommodations not reasonably adequate for the physical or medical needs of the traveler; or are not reasonably available to meet necessary mission requirements. Individual contractor determinations of nonavailability of commercial discount airfare or Government contract airfare will not be contested by DOE when the contractor can reasonably demonstrate such nonavailability or, on an overall basis, that established policies and procedures result in the routine use of the lowest available airfare. However, in order for air travel costs in excess of customary standard airfare to be allowable, the contractor must justify and document the applicable condition(s) set forth above.

(28) Special construction industry "funds" financed by employer contributions for such purposes as methods and materials research, public and industry relations, market development, and disaster relief, except as specifically provided elsewhere in this contract.

(29) Late premium payment charges related to employee deferred compensation plan insurance.

(30) Facilities capital cost of money. (CAS 414 and CAS 417).

(31) Contractor costs incurred to influence either directly or indirectly —

(i) Legislative action on any matter pending before Congress, a State legislature, or a legislative body of a political subdivision of a State; or

(ii) Federal, State, or executive body of a political subdivision of a State action on regulatory and contract matters as described in the "Political Activity Cost Prohibition" clause of this contract.

(32) Commercial automobile rental expenses unless approved by the contracting officer.

(33) Costs incurred in connection with any criminal, civil or administrative proceeding commenced by the Federal Government or a State, local or foreign government, as provided in the clause titled "Cost prohibitions related to legal and other proceedings" incorporated elsewhere in this contract.

(34) Costs of alcoholic beverages.

(35) Contractor employee travel costs incurred for lodging, meals and incidental expenses which exceed on a daily basis the applicable maximum per diem rates in effect for Federal civilian employees at the time of travel. When the applicable maximum per diem rate is inadequate due to special or unusual situations, the contractor may pay employees for actual expenses in excess of such per diem rate limitation. To be allowable, however, such payments must be properly authorized by an officer or appropriate official of the contractor and shall not exceed the higher amounts that may be authorized for Federal civilian employees in a similar situation.

NOTE: The following paragraphs apply to profit making contractors.

(36) Notwithstanding any other provision of this contract, the costs of bonds and insurance are unallowable to the extent they are incurred to protect and indemnify the contractor and/or subcontractor against otherwise unallowable costs, unless such insurance or bond is required by law, the express terms of this contract, or is authorized in writing by the contracting officer. The cost of commercial insurance to protect the contractor against the costs of correcting its own defects in materials or workmanship is an unallowable cost.

(37) Costs of gifts; however, gifts do not include awards for performance or awards made in recognition of employee achievements pursuant to an established contractor plan or policy.

(38) The costs of recreation, registration fees of employees participating in competitive fitness promotions, team activities, and sporting events except for the costs of employees' participation in company sponsored intramural sports teams or employee organizations designed to improve company loyalty, team work, or physical fitness.

I-106. 970.5204-15 Obligation of Funds (Apr 1994) (Modified)

A129
08/30/2005

(a) *Obligation of Funds*. The amount presently obligated by the Government with respect to this contract is $4,705,802,043.74. This represents an increase of $28,664,576.83 from $4,677,137,466.91 to $4,705,802,043.74. Such amount may be increased unilaterally by DOE by written notice to the Contractor and may be increased or decreased by written agreement of the parties (whether or not by formal modification of this contract). Estimated collections from others for work and services to be performed under this contract are not included in the amount presently obligated. Such collections, to the extent actually received by the Contractor, shall be processed and accounted for in accordance with applicable requirements imposed by the Contracting Officer pursuant to the Laws, Regulations, and DOE Directives clause of this contract. Nothing in this paragraph (a) is to be construed as authorizing the Contractor to exceed limitations stated in financial plans established by DOE and furnished to the Contractor from time to time under this contract.

(b) *Limitation on Payment by the Government*. Except as otherwise provided in this contract and except for costs which may be incurred by the Contractor pursuant to the clause entitled "Termination," or costs of claims allowable under the contract occurring after completion or termination and not released by the Contractor at the time of financial settlement of the contract in accordance with the clause entitled "Payments and Advances," payment by the Government under this contract on account of allowable costs shall not, in the aggregate, exceed the amount obligated with respect to this contract, less the Contractor's fee. Unless expressly negated in this contract, payment on account of those costs excepted in the preceding sentence which are in excess of the amount obligated with respect to this contract shall be subject to the availability of (1) collections accruing to the Contractor in connection with the work under this contract and processed and accounted for in accordance with applicable requirements imposed by the Contracting Officer pursuant to the Laws, Regulations, and DOE Directives clause of this contract, and (2) other funds which DOE may legally use for such purpose, provided DOE will use its best efforts to obtain the appropriation of funds for this purpose if not otherwise available.

(c) *Notices-Contractor Excused from Further Performance*. The Contractor shall notify DOE in writing whenever the unexpended balance of available funds [including collections available under paragraph (a) above], plus the Contractor's best estimate of collections to be received and available during the period hereinafter specified, is in the Contractor's best judgment sufficient to continue contract operations at the programmed rate for only 60 days and to cover the Contractor's unpaid fee, and outstanding encumbrances and liabilities on account of costs allowable under the contract at the end of such period. Whenever the unexpended balance of available funds [including collections available under paragraph (a) above], less the amount of the Contractor's fee then earned but not paid, is in the Contractor's best judgment sufficient only to liquidate outstanding encumbrances and liabilities on account of costs allowable under this contract, the Contractor shall immediately notify DOE and shall make no further encumbrances or expenditures (except to liquidate existing encumbrances and liabilities), and, unless the parties otherwise agree, the Contractor shall be excused from further performance (except such performance as may become necessary in connection with termination by the Government) and the performance of all work hereunder will be deemed to have been terminated for the convenience of the Government in accordance with the provisions of the clause entitled "Termination."

(d) *Financial Plans; Cost and Encumbrance Limitations*. In addition to the limitations provided for elsewhere in this contract, DOE may, through financial plans, such as Approved Funding Programs, or other directives issued to the Contractor, establish controls on the costs to be incurred and encumbrances to be made in the performance of the contract work. Such plans and directives may be amended or supplemented from time to time by DOE. The Contractor hereby agrees (1) to comply with the specific limitations (ceilings) on costs and encumbrances set forth in such plans and directives, (2) to comply with other requirements of such plans and directives, and (3) to notify DOE promptly, in writing, whenever it has reason to believe that any limitation on costs and encumbrances will be exceeded or substantially under run.

(e) *Government's Right to Terminate not Affected*. The giving of any notice under this clause shall not be construed to waive or impair any right of the Government to terminate the contract under the provisions of the clause entitled "Termination."

I-107. 970.5204-16 Payments and Advances (Jun 1997) (Modified)

(a) *Installments of fee*. The fee payable under this contract shall become due and payable in periodic installments in accordance with a schedule determined by the contracting officer. Fee payments shall be made by direct payment or withdrawn from funds advanced or available under this contract, as determined by the contracting officer. The contracting officer may offset against any such fee payment, the amounts owed to the Government by the contractor, including any

amounts owed for disallowed costs under this contract. No fee payment may be withdrawn against the payments cleared financing arrangement without prior written approval of the contracting officer.

(b) *Payments on Account of Allowable Costs*. The contracting officer and the contractor shall agree as to the extent to which payment for allowable costs or payments for other items specifically approved in writing by the contracting officer shall be made from advances of Government funds. When pension contributions are paid by the contractor to the retirement fund less frequently than quarterly, accrued costs therefore shall be excluded from costs for payment purposes until such costs are paid. If pension contribution are paid on a quarterly or more frequent basis, accrual therefore may be included in 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 cost for payment purposes until payment has been made.

(c) *Special financial institution account-use*. All advances of Government funds shall be withdrawn pursuant to a payments cleared financing arrangement prescribed by DOE in favor of the financial institution or, at the option of the Government, shall be made by direct payment or other payment mechanism to the contractor, and shall be deposited only in the special financial institution account referred to in the Special Financial Institution Account Agreement, which is incorporated into this contract as Appendix F. No part of the funds in the special financial institution account shall be (1) commingled with any funds of the contractor or (2) used for a purpose other than that of making payments for costs allowable and, if applicable, fees earned under this contract or payments for other items specifically approved in writing by the contracting officer. If the contracting officer determines that the balance of such special financial institution account exceeds the contractor's current needs, the contractor shall promptly make such disposition of the excess as the contracting officer may direct.

(d) *Title to funds advanced*. Title to the unexpended balance of any funds advanced and of any special financial institution account established pursuant to this clause shall remain in the Government and be superior to any claim or lien of the financial institution of deposit or others. It is understood that an advance to the contractor hereunder is not a loan to the contractor, and will not require the payment of interest by the contractor, and that the contractor acquires no right, title or interest in or to such advance other than the right to make expenditures therefrom, as provided in this clause.

(e) *Review and approval of costs incurred*. The contractor shall prepare and submit annually as of September 30, a "Statement of Costs Incurred and Claimed," (Cost Statement) for the total of net expenditures accrued (i.e., net costs incurred) for the period covered by the Cost Statement. The Contractor shall certify the Cost Statement subject to the penalty provisions for unallowable costs as stated in

sections 306(b) and (i) of the Federal Property and Administrative Services Act of 1949 (41 U.S.C. 256), as amended. DOE, after audit and appropriate adjustment, will approve such Cost Statement. This approval by DOE will constitute an acknowledgment by DOE that the net costs incurred are allowable under the contract and that they have been recorded in the accounts maintained by the contractor in accordance with DOE accounting policies, but will not relieve the contractor of responsibility for DOE's assets in its care, for appropriate subsequent adjustments, or for errors later becoming known to DOE.

(f) *Financial settlement.* The Government shall promptly pay to the contractor the unpaid balance of allowable costs and fee upon termination of the work, expiration of the term of the contract, or completion of the work and its acceptance by the Government after

(1) compliance by the contractor with DOE's patent clearance requirements, and

(2) the furnishing by the contractor of:

(i) An assignment of the contractor's rights to any refunds, rebates, allowances, accounts receivable, collections accruing to the contractor in connection with the work under this contract, or other credits applicable to allowable costs under the contract;

(ii) A closing financial statement;

(iii) The accounting for Government-owned property required by the clause entitled "Property;" and

(iv) 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:

(A) Specified claims in stated amounts or in estimated amounts where the amounts are not susceptible to exact statement by the contractor;

(B) 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 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 promptly, but not more than one (1) year after the contractor's right of action first accrues. In addition, the contractor shall provide prompt notice to the contracting officer of all potential claims under this clause, whether in litigation or not (see also

Contract Clause in Section I, DEAR 970.5204-31, "Insurance—Litigation and Claims");

(C) Claims for reimbursement of costs (other than expenses of the contractor by reason of any 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; and

(D) Claims recognizable under the clause entitled, Nuclear Hazards Indemnity Agreement.

In arriving at the amount due the contractor under this clause, there shall be deducted, (1) any claim which the Government may have against the contractor in connection with this contract, and (2) deductions due under the terms of this contract, and not otherwise recovered by or credited to the Government. The unliquidated balance of the Special Financial Institution Account may be applied to the amount due and any balance shall be returned to the Government forthwith.

(g) *Claims*. Claims for credit against funds advanced for payment shall be accompanied by such supporting documents and justification as the contracting officer shall prescribe.

(h) *Discounts*. The contractor shall take and afford the Government the advantage of all known and available cash and trade discounts, rebates, allowances, credits, salvage, and commissions unless the contracting officer finds that action is not in the best interest of the Government.

(i) *Collections*. All collections accruing to the contractor in connection with the work under this contract, except for the contractor's fee and royalties or other income accruing to the contractor from technology transfer activities in accordance with this contract, shall be Government property and shall be processed and accounted for in accordance with applicable requirements imposed by the contracting officer pursuant to the Laws, Regulations, and DOE Directives clause of this contract and, to the extent consistent with those requirements, shall be deposited in the Special Financial Institution Account or otherwise made available for payment of allowable costs under this contract, unless otherwise directed by the contracting officer.

(j) *Direct payment of charges*. The Government reserves the right, upon ten days written notice from the contracting officer to the contractor, to pay directly to the persons concerned, all amounts due which otherwise would be allowable under this contract. Any payment so made shall discharge the Government of all liability to the contractor therefore.

I-108. 970.5204-17 Political Activity Cost Prohibition (Dec 1997)

(a) Pursuant to the allowable cost provisions established elsewhere under the contract, costs associated with the following activities are not reimbursable under the contract:

(1) Attempts to influence the outcome of any Federal, State, or local election, referendum, initiative, or similar procedure, through in-kind or cash contributions, endorsements, publicity, or similar activities;

(2) Establishing, administering, contributing to, or paying the expenses of a political party, campaign, political action committee, or other organization established for the purpose of influencing the outcomes of elections;

(3) Any attempt to influence (i) the introduction of Federal or State legislation, or (ii) the enactment or modification of any pending Federal or State legislation through communication with any member or employee of the Congress or State legislature (including efforts to influence state or local officials to engage in similar lobbying activity), or with any government official or employee in connection with a decision to sign or veto enrolled legislation;

(4) Any attempt to influence (i) the introduction of Federal or State legislation, or (ii) the enactment or modification of any pending Federal or State legislation by preparing, distributing or using publicity or propaganda, or by urging members of the general public or any segment thereof to contribute to or participate in any mass demonstration, march, rally, fund raising drive, lobbying campaign or letter writing or telephone campaign; or

(5) Legislative liaison activities, including attendance at legislative sessions or committee hearings, gathering information regarding legislation, and analyzing the effect of legislation, when such activities are carried on in support of or in knowing preparation for an effort to engage in unallowable activities.

(6) Contractor costs incurred to influence (directly or indirectly) Federal, State, or local executive branch action on regulatory and contract matters.

(b) Costs of the following activities are excepted from the coverage of paragraph (a) of this clause; provided that the resultant contract costs are reasonable and otherwise comply with the allowable cost provisions of the contract:

(1) Providing Members of Congress, their staff members or staff of cognizant legislative committees, in response to a request (written or oral, prior or contemporaneous) from Members of Congress, their staff members or staff of cognizant legislative committees, or as otherwise directed by the

Contracting Officer, information or expert advice of a factual technical, or scientific nature, with respect to topics directly related to the performance of the contract proposed legislation. In providing this information or expert advice, the contractor shall indicate to the recipient that it is not presenting the views of DOE. Reasonable costs for transportation, lodging or meals incurred by contractor employees for the purpose of providing such information or expert advice shall also be reimbursable, provided the request for such information or expert advice is a prior written request signed by a Member of Congress, and provided such costs also comply with the allowable cost provisions of the contract.

(2) Providing State legislatures or subdivisions thereof, their staff members, or staff of cognizant legislative committees, in response to a prior written request from a State legislator, or as otherwise directed by the Contracting Officer, information or expert advice of factual, technical, or scientific nature, with respect to topics directly related to the performance of the contract or proposed legislation. In providing this information or expert advice, the contractor shall indicate to the recipient that it is not presenting the views of DOE. Reasonable costs for transportation, lodging, or meals incurred by contractor employees shall be reimbursable, provided such costs also comply with the allowable costs provision of the contract.

(3) Any lobbying made unallowable under subparagraph (a)(3) above to influence State legislation in order to directly reduce contract cost, or to avoid material impairment of the contractor's authority to perform the contract if authorized by the contracting officer.

(4) Any activity specifically authorized by statute to be undertaken with funds from the contract.

(c) Unallowable lobbying costs incurred, if any, shall not be charged to DOE, paid for with DOE funds or recorded as allowable cost in DOE's system of accounts.

(d) The contractor's annual certification, submitted as part of its annual claim (i.e., Voucher Accounting for Net Expenditures Accrued required under the clause titled "Payments and Advances") or cost incurred statement, that the costs claimed are allowable under the contract, shall also serve as the contractor's certification that the requirements and standards of this clause have been complied with.

(e) The contractor shall maintain adequate records to demonstrate that the annual certifications of claimed costs as being allowable comply with the requirements of this clause.

(f) Time logs, calendars, or similar records shall not be created for purposes of complying with this clause during any particular calendar month when: (1) An

employee engages in legislative liaison activities (as delineated in paragraphs (a) and (b) of this clause) 25 percent or less of the employee's compensated hours of employment during that calendar month, and (2) within the preceding five-year period, the contractor has not materially misstated allowable or unallowable costs of any nature, including legislative liaison costs. When conditions (f)(1) and (2) of this clause are met, the contractor is not required to establish records to support the allowability of claimed costs in addition to records already required or maintained. Also, when conditions (f) (1) and (2) of this clause are met, the absence of time logs, calendars, or similar records will not serve as a basis for disallowing costs by contesting estimates of legislative liaison activity time spent by employees during any calendar month.

(g) During contract performance, the contractor should resolve, in advance, any significant questions or disagreements between the contractor and DOE concerning compliance with this clause.

(h) In providing information or expert advice under paragraph (b)(1) and (b)(2) of this clause, the contractor shall advise the Contracting Officer in advance or as soon as practicable.

I-109. 970.5204-19 Printing (Apr 1984)

(a) To the extent that duplicating or printing services may be required in the performance of this contract, the Contractor shall provide or secure such services in accordance with the Government Printing and Binding Regulations, Title 44 of the U.S. Code, and DOE Directives relative thereto.

(b) The term "Printing" includes the following processes: composition, platemaking, presswork, binding, microform publishing, or the end items produced by such processes. Provided, however, that performance of a requirement under this contract involving the duplication of less than 5,000 copies of a single page, or no more than 25,000 units in the aggregate of multiple pages, will not be deemed to be printing.

(c) Printing services not obtained in compliance with this guidance shall result in the cost of such printing being disallowed.

(d) In all subcontracts hereunder which require printing (as that term is defined in Title I of the U.S. Government Printing and Binding Regulations), the Contractor shall include a provision substantially the same as this clause.

I-110. 970.5204-20 Management Controls (Aug 1993) (Modified)

(a) The Contractor shall be responsible for maintaining, as an integral part of its organization, effective systems of management controls for both administrative and programmatic functions. Management controls comprise the plan of

organization, methods, and procedures adopted by management to reasonably ensure that: the mission and functions assigned to the Contractor are properly executed; efficient and effective operations are promoted; resources are safeguarded against waste, loss, mismanagement, unauthorized use, or misappropriation; all encumbrances and costs that are incurred under the contract and fees that are earned are in compliance with applicable clauses and other current terms, conditions, and intended purposes; all collections accruing to the Contractor in connection with the work under this contract, expenditures, and all other transactions and assets are properly recorded, managed, and reported; and financial, statistical, and other reports necessary to maintain accountability and managerial control are accurate, reliable, and timely. The systems of controls employed by the Contractor shall be documented and satisfactory to DOE. Such systems shall be an integral part of the Contractor's management functions, including defining specific roles and responsibilities for each level of management, and holding employees accountable for the adequacy of the management systems and controls in their areas of assigned responsibility. The Contractor shall, as part of the internal audit program required elsewhere in this contract, periodically review the management systems and controls employed in programs and administrative areas to ensure that they are adequate to provide reasonable assurance that the objectives of the systems are being accomplished and that these systems and controls are working effectively.

(b) The Contractor shall be responsible for maintaining, as a part of its operational responsibilities, a baseline quality assurance program that implements documented performance, quality standards, and control and assessment techniques.

I-111. 970.5204-21 Property (Jun 1997) (Deviation)

(a) *Furnishing of Government Property*. The Government reserves the right to furnish any property or services required for the performance of the work under this contract.

(b) *Title to Property*. Except as otherwise provided by the Contracting Officer, title to all materials, equipment, supplies, and tangible personal property of every kind and description 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 directly from the vendor to the Government. The Government reserves the right to inspect, and to accept or reject, any item of such property. The Contractor shall make such disposition of rejected items as the Contracting Officer shall direct. Title to other property, the cost of which is reimbursable to The Contractor under this 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, whichever first occurs. Property furnished by the Government and property purchased or furnished by The Contractor, title to which vests in the Government, under this paragraph are hereinafter referred to as Government property. Title to Government property shall not be affected by the incorporation of the property into or the attachment of it 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.

(c) *Identification*. To the extent directed by the contracting officer, The Contractor shall identify Government property coming into the Contractor's possession or custody, by marking and segregating in such a way, satisfactory to the Contracting Officer, as shall indicate its ownership by the Government.

(d) *Disposition*. The Contractor shall make such disposition of Government property which has come into the possession or custody of the Contractor under this contract as the Contracting Officer may direct during the progress of the work or upon completion or termination of this contract. The Contractor may, upon such terms and conditions as the Contracting Officer may approve, sell, or exchange such property, or acquire such property at a price agreed upon by the Contracting Officer and the Contract or as the fair value thereof. The amount received by the Contractor as the result of any disposition, or the agreed fair value of any such property acquired by the Contractor, shall be applied in reduction of costs allowable under this contract or shall be otherwise credited to account to the Government, as the Contracting Officer may direct. Upon completion of the work or the termination of this contract, the Contractor shall render an accounting, as prescribed by the contracting officer, of all government property which had come into the possession or custody of the Contractor under this contract.

(e) *Protection of Government Property-Management of High-Risk Property and Classified Materials*.

(1) The Contractor shall take all reasonable precautions, and such other actions as may be directed by the contracting officer, or in the absence of such direction, in accordance with sound business practice, to safeguard and protect government property in the Contractor's possession or custody.

(2) In addition, the Contractor shall ensure that adequate safeguards are in place, and adhered to, for the handling, control and disposition of

high-risk property and classified materials throughout the life cycle of the property and materials consistent with the policies, practices and procedures for property management contained in the Federal Property Management regulations (41 CFR chapter 101), the Department of Energy Property Management regulations (41 CFR chapter 109), and other applicable regulations.

(3) High-risk property is property, the loss, destruction, damage to, or the unintended or premature transfer of which could pose risks to the public, the environment, or the national security interests of the United States. High-risk property includes proliferation sensitive, nuclear related dual use, export controlled, chemically or radioactively contaminated, hazardous, and specially designed and prepared property, including property on the militarily critical technologies list.

(f) *Risk of Loss of Government Property.*

(1) (i) The Contractor shall not be liable for the loss or destruction of, or damage to, Government property unless such loss, destruction, or damage was caused by any of the following:

(A) Willful misconduct or lack of good faith on the part of the Contractor's managerial personnel;

(B) Failure of the Contractor's managerial personnel to take all reasonable steps to comply with any appropriate written direction of the Contracting Officer to safeguard such property under paragraph (e) of this clause; or

(C) Failure of Contractor managerial personnel to establish, administer, or properly maintain an approved property management system in accordance with paragraph (i)(1) of this clause.

(ii) If, after an initial review of the facts, the contracting officer informs the Contractor that there is reason to believe that the loss, destruction of, or damage to the government property results from conduct falling within one of the categories set forth above, the burden of proof shall be upon the Contractor to show that the Contractor should not be required to compensate the government for the loss, destruction, or damage.

(2) In the event that the Contractor is determined liable for the loss, destruction or damage to Government property in accordance with (f)(1) of this clause,

the Contractor's compensation to the Government shall be determined as follows:

(i) For damaged property, the compensation shall be the cost of repairing such damaged property, plus any costs incurred for temporary replacement of the damaged property. However, the value of repair costs shall not exceed the fair market value of the damaged property. If a fair market value of the property does not exist, the Contracting Officer shall determine the value of such property, consistent with all relevant facts and circumstances.

(ii) For destroyed or lost property, the compensation shall be the fair market value of such property at the time of such loss or destruction, plus any costs incurred for temporary replacement and costs associated with the disposition of destroyed property. If a fair market value of the property does not exist, the Contracting Officer shall determine the value of such property, consistent with all relevant facts and circumstances.

(3) The portion of the cost of insurance obtained by the Contractor that is allocable to coverage of risks of loss referred to in paragraph (f)(1) of this clause is not allowable.

(g) *Steps to be taken in event of loss*. In the event of any damage, destruction, or loss to Government property in the possession or custody of the Contractor with a value above the threshold set out in the Contractor's approved property management system, the Contractor:

(1) Shall immediately inform the Contracting Officer of the occasion and extent thereof,

(2) Shall take all reasonable steps to protect the property remaining, and

(3) Shall repair or replace the damaged, destroyed, or lost property in accordance with the written direction of the contracting officer. The Contractor shall take no action prejudicial to the right of the Government to recover therefore, and shall furnish to the Government, on request, all reasonable assistance in obtaining recovery.

(h) *Government Property for Government use only*. Government property shall be used only for the performance of this contract.

(i) *Property Management.*

(1) *Property Management System.*

(i) The Contractor shall establish, administer, and properly maintain an approved property management system of accounting for and control, utilization, maintenance, repair, protection, preservation, and disposition of Government property in its possession under the contract. The Contractor's property management system shall be submitted to the Contracting Officer for approval and shall be maintained and administered in accordance with sound business practice, applicable Federal Property Management regulations and Department of Energy Property Management regulations, and such directives or instructions which the Contracting Officer may from time to time prescribe.

(ii) In order for a property management system to be approved, it must provide for:

(A) Comprehensive coverage of property from the requirement identification, through its life cycle, to final disposition;

(B) Employee personal responsibility and accountability for Government-owned property;

(C) Full integration with the Contractor's other administrative and financial systems; and

(D) A method for continuously improving property management practices through the identification of best practices established by "best in class" performers.

(iii) Approval of the Contractor's property management system shall be contingent upon the completion of the baseline inventory as provided in subparagraph (i)(2) of this clause.

(2) *Property Inventory.*

(i) Unless otherwise directed by the contracting officer, the Contractor shall within six months after execution of the contract provide a baseline inventory covering all items of Government property.

(ii) If the Contractor is succeeding another Contractor in the performance of this contract, the contractor shall conduct a joint reconciliation of the property inventory with the predecessor Contractor. The Contractor agrees to participate in a joint reconciliation of the

property inventory at the completion of this contract. This information will be used to provide a baseline for the succeeding contract as well as information for closeout of the predecessor contract.

(j) The term "*Contractor's Managerial Personnel"* as used in this clause means, the Contractor's directors, officers and any of its managers, superintendents, or other equivalent representatives who have 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 facility or separate location to which this contract is being performed; or

(3) A separate and complete major industrial operation in connection with the performance of this contract; or

(4) A separate and complete major construction, alteration, or repair operation in connection with performance of this contract; or

(5) A separate and discrete major task or operation in connection with the performance of this contract.

NOTE: The following paragraph (j) is substituted for nonprofit Contractors:

(j) The term "C*ontractor's Managerial Personnel"* as used in this clause means, the Contractor's directors, officers and any of its managers, superintendents, or other equivalent representatives who have supervision or direction of all or substantially all of:

(1) The Contractor's business; or

(2) The Contractor's operations at any one facility or separate location at which this contract is being performed; or

(3) *(Deviation)* The Contractor's Government property system and/or Strategic System as defined in DOE Order 430.1A (Version in effect on effective date of contract).

(k) The Contractor shall include this clause in cost reimbursable contracts.

I-112. 970.5204-22 Contractor Purchasing System (Nov 1997) (As Revised 10/23/98)

(a) *General*. The Contractor shall develop, implement, and maintain formal policies, practices, and procedures to be used in the award of subcontracts consistent with this clause, 48 CFR (DEAR) 970.5204-44, and 48 CFR (DEAR) 970.71. The

Contractor's purchasing system and methods shall be fully documented, consistently applied, and acceptable to DOE in accordance with 48 CFR (DEAR) 970.7102. The Contractor shall maintain file documentation which is appropriate to the value of the purchase and is adequate to establish the propriety of the transaction and the price paid. The Contractor's purchasing performance will be evaluated against such performance criteria and measures as may be set forth elsewhere in this contract. DOE reserves the right at any time to require that the Contractor submit for approval any or all purchases under this contract. The Contractor shall not purchase any item or service the purchase of which is expressly prohibited by the written direction of DOE and shall use such special and directed sources as may be expressly required by the DOE Contracting Officer. The Contractor shall manage a Self-Assessment Program and shall submit to the Contracting Officer a copy of Self-Assessment reports in accordance with written direction and guidance provided by the Contracting Officer. DOE reserves the right to review and approve the Contractor's purchasing system in accordance with 48 CFR subpart 44.3, and DOE implementing policy and guidance. The Contractor's approved purchasing system and methods shall include the requirements set forth in paragraphs (b) through (w) of this clause.

(b) *Acquisition of utility services*. Utility services shall be acquired in accordance with the requirements of 48 CFR 970.41.

(c) *Acquisition of Real Property*. Real property shall be acquired in accordance with 48 CFR (DEAR) Subpart 917.74.

(d) *Advance Notice of Proposed Subcontract Awards*. Advance notice shall be provided in accordance with 48 CFR (DEAR) 970.7109.

(e) *Audit of Subcontractors.*

(1) The Contractor shall provide for:

(i) periodic post-award audit of cost-reimbursement Subcontractors at all tiers, and

(ii) audits, where necessary, to provide a valid basis for pre-award or cost or price analysis.

(2) Responsibility for determining the costs allowable under each cost-reimbursement subcontract remains with the Contractor or next higher-tier Subcontractor. The Contractor shall provide, in appropriate cases, for the timely involvement of the Contractor and the DOE Contracting Officer in resolution of subcontract cost allowability.

(3) Where audits of subcontractors at any tier are required, arrangements may be made to have the cognizant Federal agency perform the audit of the subcontract. These arrangements shall be made administratively between DOE and the other agency involved and shall provide for the cognizant agency to audit in an appropriate manner in light of the magnitude and nature of the subcontract. In no case, however, shall these arrangements preclude determination by the DOE Contracting Officer of the allowability or unallowability of Subcontractor costs claimed for reimbursement by the Contractor.

(4) Allowable costs for cost reimbursable subcontracts are to be determined in accordance with the cost principles of FAR Part 31, appropriate for the type of organization to which the subcontract is to be awarded, as supplemented by 48 CFR (DEAR) Part 931. Allowable costs in the purchase or transfer from Contractor-affiliated sources shall be determined in accordance with 48 CFR (DEAR) 970.7105 and 48 CFR (DEAR) 970.3102-15(b).

(f) *Bonds and Insurance.*

(1) The Contractor shall require performance bonds in penal amounts as set forth in FAR 28.102-2(a) for all fixed priced and unit-priced construction subcontracts in excess of $100,000. The Contractor shall consider the use of performance bonds in fixed price nonconstruction subcontracts, where appropriate.

(2) For fixed-price, unit priced and cost reimbursement construction subcontracts in excess of $100,000, a payment bond shall be obtained on Standard Form 25A modified to name the contractor as well as the United States of America as obliges. The penal amounts shall be determined in accordance with 48 CFR (FAR) 28.102-2(b).

(3) For fixed-price, unit-priced and cost-reimbursement construction subcontracts, greater than $25,000, but not greater than $100,000, the contractor shall select two or more of the payment protections at 48 CFR (FAR) 28.102-1(b), giving particular consideration to the inclusion of an irrevocable letter of credit as one of the selected alternatives.

(4) A subcontractor may have more than one acceptable surety in both construction and other subcontracts, provided that in no case will the liability of any one surety exceed the maximum penal sum for which it is qualified for any one obligation. For subcontracts other than construction, a co-surety (two or more sureties together) may reinsure amounts in excess of their individual capacity, with each surety having the required underwriting capacity that appears on the list of acceptable corporate sureties.

(g) *Buy American.*

The Contractor shall comply with the provisions of the Buy American Act as reflected in 48 CFR (DEAR) 970.5203-3 and 48 CFR (DEAR) 970.5204-3. The Contractor shall forward determinations of nonavailability of individual items to the DOE Contracting Officer or approval. Items in excess of $100,000 require the prior concurrence of the Head of Contracting Activity. If, however, the contractor has an approved purchasing system, the Head of the Contracting Activity may authorize the Contractor to make determinations of non availability for individual items valued at $100,000 or less.

(h) *Construction and Architect-Engineer Subcontracts.*

(1) *Independent Estimates*. A detailed, independent estimate of costs shall be prepared for all construction work to be subcontracted.

(2) *Specifications*. Specifications for construction shall be prepared in accordance with the DOE publication entitled "General Design Criteria Manual."

(3) *Prevention of Conflict of Interest.*

(i) The Contractor shall not award a subcontract for construction to the architect-engineer firm or an affiliate that prepared the design. This prohibition does not preclude the award of a "turnkey" subcontract so long as the subcontractor assumes all liability for defects in design and construction and consequential damages.

(ii) The Contractor shall not award both a cost-reimbursement subcontract and a fixed-price subcontract for construction or architect-engineer services or any combination thereof to the same firm where those subcontracts will be performed at the same site.

(iii) The Contractor shall not employ the construction subcontractor or an affiliate to inspect the firm's work. The Contractor shall assure that the working relationships of the construction subcontractor and the subcontractor inspecting its work and the authority of the inspector are clearly defined.

(i) *Contractor-Affiliated Sources*. Equipment, materials, supplies, or services from a Contractor-affiliated source shall be purchased or transferred in accordance with 48 CFR (DEAR) 970.7105.

(j) *Contractor-Subcontractor Relationship.* The obligations of the Contractor under paragraph (a) of this clause, including the development of the purchasing system and methods, and purchases made pursuant thereto, 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). Subcontracts shall be in the name of the Contractor, and shall not bind or purport to bind the Government.

(k) *Government Property*. Identification, inspection, maintenance, protection, and disposition of Government property shall conform with the policies and principles of FAR Part 45, 48 CFR (DEAR) 945, the Federal Property Management Regulations 41 CFR 101, the DOE Property Management Regulations 41 CFR 109, and their contracts.

(l) *Indemnification*. Except for Price-Anderson Nuclear Hazards Indemnity, no subcontractor may be indemnified except with the prior approval of the Procurement Executive.

(m) *Leasing of Motor Vehicles*. Contractors shall comply with FAR 8.11 and 48 CFR (DEAR) 908.11.

(n) *Make-or-Buy Plans*. Acquisition of property and services shall be obtained on a least-cost basis, consistent with the requirements of the Make-or-Buy Plan clause of this contract and the Contractor's approved make-or-buy plan.

(o) *Management, Acquisition and Use of Information Resources*. Requirements for automatic data processing resources and telecommunications facilities, services, and equipment, shall be reviewed and approved in accordance with applicable DOE Orders and regulations regarding information resources.

(p) *Priorities, Allocations and Allotments*. Priorities, allocations and allotments shall be extended to appropriate subcontracts in accordance with the clause or clauses of this contract dealing with priorities and allocations.

(q) *Purchase of Special Items.* Purchase of the following items shall be in accordance with the following provisions of 48 CFR (DEAR) 908.71 and the Federal Property Management Regulations, 41 CFR 101:

(1) Motor vehicles—48 CFR 908.7101
(2) Aircraft—48 CFR 908.7102
(3) Security Cabinets—48 CFR 908.7106
(4) Alcohol—48 CFR 908.7107
(5) Helium—48 CFR 908.7108
(6) Fuels and packaged petroleum products—48 CFR 908.7109
(7) Coal—48 CFR 908.7110
(8) Arms and Ammunition—48 CFR 908.7111
(9) Heavy Water—48 CFR 908.7121(a)
(10) Precious Metals—48 CFR 908.7121(b)
(11) Lithium—48 CFR 908.7121(c)

(12) Products and services of the blind and severely handicapped—41 CFR 101-26.701
(13) Products made in Federal penal and correctional institutions—41 CFR 101-26.702

(r) *Purchase vs Lease Determinations*. Contractors shall determine whether required equipment and property should be purchased or leased, and establish appropriate thresholds for application of lease vs. purchase determinations. Such determinations shall be made:

(1) at time of original acquisition;

(2) when lease renewals are being considered; and

(3) at other times as circumstances warrant.

(s) *Quality Assurance*. Contractors shall provide no less protection for the Government in its subcontracts than is provided in the prime contract.

(t) *Setoff of Assigned Subcontractor Proceeds*. Where a Subcontractor has been permitted to assign payments to a financial institution, the assignment shall treat any right of set off in accordance with 48 CFR (DEAR) 932.803.

(u) *Strategic and Critical Materials*. The Contractor may use strategic and critical materials in the National Defense Stockpile.

(v) *Termination*. When subcontracts are terminated as a result of the termination of all or a portion of this contract, the Contractor shall settle with subcontractors in conformity with the policies and principles relating to settlement of prime contracts in FAR subparts 49.1, 49.2 and 49.3. When subcontracts are terminated for reasons other than termination of this contract, the Contractor shall settle such subcontracts in general conformity with the policies and principles in FAR subparts 49.1, 49.2, 49.3 and 49.4. Each such termination shall be documented and consistent with the terms of this contract. Terminations which require approval by the Government shall be supported by accounting data and other information as may be directed by the Contracting Officer.

(w) *Unclassified Controlled Nuclear Information*. Subcontracts involving unclassified uncontrolled nuclear information shall be treated in accordance with 10 CFR Part 1017.

I-113. 970.5204-23 State and Local Taxes (Apr 1984)

(a) The Contractor agrees to notify the Contracting Office 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 Contracting Officer 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 Contracting Officer. Any State or local tax, fee, or charge paid with the approval of the Contracting Officer or on the basis of advice from the Contracting Officer 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 Contracting Officer 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 Contracting Officer 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 Contracting Officer 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 costs, as provided in this contract, together with the amount of any judgment rendered against the Contractor.

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

I-114. 970.5204-25 Workmanship and Materials (Apr 1984)

(a) *Grade of Workmanship and Materials*. Unless otherwise directed by the Contracting Officer or expressly provided for by specifications issued under this contract:

(1) All workmanship shall be first class; and

(2) All articles, equipment and materials incorporated in the work are to be:

(i) New and of the most suitable grade of their respective kinds for the purpose;

(ii) In accordance with any applicable drawings and specifications; and

(iii) Installed to the satisfaction and with the approval of the Contracting Officer.

Where equipment, materials, or articles are referred to in the specifications as "equal to" any particular standard, the Contracting Officer shall decide the question of equality.

(b) *Samples and Test Results*. If the Contracting Officer so requires, the Contractor shall submit for approval samples of or test results on any materials proposed to be incorporated in the work before making any commitment for the purchase of such materials.

I-115. 970.5204-27(b) Consultant or Other Comparable Employment Services (May 1989)

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 DOE) on the contract work to disclose to the Contractor all consultant or other comparable employment services which the employees propose 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 work to agree, as a condition of participation in such work, that the employee will not perform consultant or other comparable employment services for another DOE Contractor in the same or related energy field or another organization except with the prior approval of the Contractor. If the Contractor believes, with respect to any employee who is employed full-time on the contract work, that any proposed consultant or other comparable employment service may involve: (1) a rate of remuneration significantly in excess of the employee's regular rate of remuneration; (2) a significant question concerning possible conflict with DOE's policies regarding conduct of employees of DOE's Contractors; (3) the Contractor's responsibility to report fully and promptly to DOE all significant research and development information; or (4) the patent provision of the Contractor's contract with DOE, the Contractor shall obtain the prior approval of the Contracting Officer for such consultant or other comparable employment service.

I-116. 970.5204-28 Assignment (Apr 1984)

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

I-117. 970.5204-29 Permits or Licenses (Apr 1984)

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.

I-118. 970.5204-31 Insurance—Litigation and Claims (Jun 1997)

(a) The Contractor may, with the prior written authorization of the contracting officer, and shall, upon the request of the Government, 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) The Contractor shall give the Contracting Officer immediate notice in writing of any legal proceeding, including any proceeding before an administrative agency, filed against the Contractor arising out of the performance of this contract. 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. The Contractor, with the prior written authorization of the Contracting Officer, shall proceed with such litigation in good faith and as directed from time to time by the Contracting Officer.

(c) (1) Except as provided in paragraph (c)(2) of this clause, the Contractor shall procure and maintain such bonds and insurance as required by law or approved in writing by the Contracting Officer.

(2) The Contractor may, with the approval of the contracting officer, maintain a self-insurance program; provided that, with respect to workers' compensation, the Contractor is qualified pursuant to statutory authority.

(3) All bonds and insurance required by this clause shall be in a form and amount and for those periods as the Contracting Officer may require or approve and with sureties and insurers approved by the Contracting Officer.

(d) The Contractor agrees to submit for the Contracting Officer's approval, to the extent and in the manner required by the Contracting Officer, any other bonds and insurance that are maintained by the Contractor in connection with the performance of this contract and for which the Contractor seeks reimbursement. If an insurance cost (whether a premium for commercial insurance or related to self-insurance) includes a portion covering costs made unallowable elsewhere in the contract, and the share of the cost for coverage for the unallowable cost is determinable, the portion of the cost that is otherwise an allowable cost under this contract is reimbursable to the extent determined by the Contracting Officer.

(e) Except as provided in subparagraphs (g) and (h) of this clause, or specifically disallowed elsewhere in this contract, the Contractor shall be reimbursed —

(1) For that portion of the reasonable cost of bonds and insurance allocable to this contract required in accordance with contract terms or approved under this clause, and

(2) For liabilities (and reasonable expenses incidental to such liabilities, including litigation costs) to third persons not compensated by insurance or otherwise without regard to and as an exception to the clause of this contract entitled, Obligation of Funds (48 CFR (DEAR) 970.5204-15).

(f) The Government's liability under paragraph (e) of this clause is subject to the availability of appropriated funds. Nothing in this contract shall be construed as implying that the Congress will, at a later date, appropriate funds sufficient to meet deficiencies.

(g) Notwithstanding any other provision of this contract, the Contractor shall not be reimbursed for liabilities (and expenses incidental to such liabilities, including litigation costs, counsel fees, judgment and settlements) —

(1) Which are otherwise unallowable by law or the provisions of this contract; or

(2) For which the Contractor has failed to insure or to maintain insurance as required by law, this contract, or by the written direction of the Contracting Officer.

(h) In addition to the cost reimbursement limitations contained in DEAR 970.3101-3, and notwithstanding any other provision of this contract, the Contractor's liabilities to third persons, including employees but excluding costs incidental to workers' compensation actions, (and any expenses incidental to such liabilities, including litigation costs, counsel fees, judgments and settlements) shall not be reimbursed if such liabilities were caused by Contractor managerial personnel's

(1) Willful misconduct,

(2) Lack of good faith, or

(3) Failure to exercise prudent business judgment, which means failure to act in the same manner as a prudent person in the conduct of competitive business; or, in the case of a non-profit educational institution, failure to act in the manner that a prudent person would under the circumstances prevailing at the time the decision to incur the cost is made.

(i) The burden of proof shall be upon the Contractor to establish that costs covered by paragraph (h) of this clause are allowable and reasonable if, after an initial review of the facts, the contracting officer challenges a specific cost or informs the Contractor that there is reason to believe that the cost results from willful

misconduct, lack of good faith, or failure to exercise prudent business judgment by Contractor managerial personnel.

(j) (1) All litigation costs, including counsel fees, judgments and settlements shall be differentiated and accounted for by the Contractor so as to be separately identifiable. If the contracting officer provisionally disallows such costs, then the Contractor may not use funds advanced by DOE under the contract to finance the litigation.

(2) Punitive damages are not allowable unless the act or failure to act which gave rise to the liability resulted from compliance with specific terms and conditions of the contract or written instructions from the contracting officer.

(3) The portion of the cost of insurance obtained by the Contractor that is allocable to coverage of liabilities referred to in paragraph (g)(1) of this clause is not allowable.

(4) The term "Contractor's Managerial Personnel" is defined in clause paragraph (j) of 48 CFR (DEAR) 970.5204-21.

(k) The Contractor may at its own expense and not as an allowable cost procure for its own protection insurance to compensate the Contractor for any unallowable or nonreimbursable costs incurred in connection with contract performance.

(1) If any suit or action is filed or any claim is made against the Contractor, the cost and expense of which may be reimbursable to the Contractor under this contract, and the risk of which is then uninsured or is insured for less than the amount claimed, the Contractor shall —

(i) Immediately notify the Contracting Officer and promptly furnish copies of all pertinent papers received;

(ii) Authorize Department representatives to collaborate with: in-house or DOE-approved outside counsel in settling or defending the claim; or counsel for the insurance carrier in settling or defending the claim if the amount of the liability claimed exceeds the amount of coverage, unless precluded by the terms of the insurance contract; and

(iii) Authorize Department representatives to settle the claim or to defend or represent the contractor in and/or to take charge of any litigation, if required by the Department, if the liability is not insured or covered by bond. In any action against more than one Department Contractor, the Department may require the Contractor to be represented by common counsel. Counsel for the Contractor may, at the Contractor's

own expense, be associated with the Department representatives in any such claim or litigation.

I-119. 970.5204-33 Priorities and Allocations-Domestic Energy Supplies (Apr 1994)

A program or project under this contract may be determined to be eligible for priorities and allocations support as provided for by section 101(c) of the Defense Production Act of 1950, as amended by the Energy Policy and Conservation Act (Pub. L. 94-163, 42 U.S.C. 6201 *et seq*.) if it is determined that its purpose is to maximize domestic energy supplies. Eligibility is dependent on an executive decision on a case-by-case basis with the decision being jointly made by the Department of Energy and Commerce.

DOE regulations regarding material allocation and priority performance under contracts or orders to maximize domestic energy supplies can be found at Part 216 of Title 10 of the Code of Federal Regulations (10 CFR Part 216).

Additional guidance is provided by DOE Publication MA-0192, "Priorities and Allocations Support for Energy: Keeping Energy Programs on Schedule," dated August 1985, as it may from time to time be revised. Copies may be obtained by written request to: Department of Energy, Office of Scientific and Technical Information (OSTI), Post Office Box 62, Oak Ridge, Tennessee 37830.

I-120. 970.5204-35 Controls in the National Interest (Jul 1994)

The Contractor agrees to comply with the requirements of DOE 1240.2 (see current version), Unclassified Visits and Assignments by Foreign Nationals, and to such other DOE requirements of the same general nature as the parties may agree to from time to time; these requirements relate to unclassified work, and they shall not be construed to limit or affect in any way the Contractor's obligation to conform to all security regulations and requirements of DOE pertaining to classified work

I-121. 970.5204-38 Government Facility Subcontract Approval (Apr 1994)

Upon request of the Contracting Officer and acceptance thereof by the Contractor, the Contractor shall procure, by subcontract, the construction of new facilities or the alteration or repair of Government-owned facilities at the plant. Any subcontract entered into under this paragraph shall be subject to the written approval of the Contracting Officer and shall contain the provisions relative to labor and wages required by law to be included in contracts for the construction, alteration, and/or repair, including painting and decorating, of a public building or public work.

I-122. 970.5204-39 Acquisition and Use of Environmentally Preferable Products and Services (Oct 1995)

(a) In the performance of this contract, the Contractor shall comply with the requirements of the following issuances:

(1) Executive Order 12873 of October 20, 1993, entitled "Federal Acquisition, Recycling, and Waste Prevention,"

(2) Section 6002 of Resources Conservation and Recovery Act (RCRA) of 1976, as amended (42 U.S.C. 6962, Pub. L. 94-580, 90 Stat. 2822),

(3) Title 40 of the Code of Federal Regulations, Subchapter I, part 247 (Comprehensive Guidelines for the Procurement of Products Containing Recovered Materials) and such other Subchapter I Parts or Comprehensive Procurement Guidelines as the Environmental Protection Agency may issue from time to time as guidelines for procurement of products that contain recovered/recycled materials,

(4) "U.S. Department of Energy Affirmative Procurement Program for Products Containing Recovered Materials" and related guidance document(s), as they are identified in writing by the Department.

(b) The Contractor shall prepare and submit reports on matters related to the use of environmentally preferable products and services from time to time in accordance with written direction (e.g., in a specified format) from the Contracting Officer.

(c) In complying with the requirements of paragraph (a) of this clause, the Contractor shall coordinate its concerns and seek implementing guidance on Federal and Departmental policy, plans, and program guidance with the DOE recycling point of contact, who shall be identified by the Contracting Officer. Reports required pursuant to paragraph (b) of this clause, shall be submitted through the DOE recycling point of contact.

I-123. 970.5227-3 Technology Transfer Mission (Aug 2002) Alternate I (Aug 2002) (Deviation)

MO99
03/15/2004

This clause has as its purpose implementation of the National Competitiveness Technology Transfer Act of 1989 (Sections 3131, 3132, 3133, and 3157 of Pub. L. 101-189 and as amended by Pub. L. 103-160, Sections 3134 and 3160). The Contractor shall conduct technology transfer activities with a purpose of providing benefit from Federal research to U.S. industrial competitiveness.

(a) Authority.

(1) In order to ensure the full use of the results of research and development efforts of, and the capabilities of, the Laboratory, technology transfer, including Cooperative Research and Development Agreements (CRADAs), is established as a mission of the Laboratory consistent with the policy, principles and purposes of Sections 11(a)(1) and 12(g) of the Stevenson-Wydler Technology Innovation Act of 1980, as amended (15 U.S.C. 3710a); Section 3132(b) of Pub. L. 101-189, Sections 3134 and 3160 of Pub. L. 103-160, and of Chapter 38 of the Patent Laws (35 U.S.C. 200 et seq.); Section 152 of the Atomic Energy Act of 1954, as amended (42 U.S.C. 2182); Section 9 of the Federal Nonnuclear Energy Research and Development Act of 1974 (42 U.S.C. 5908); and Executive Order 12591 of April 10, 1987.

(2) In pursuing the technology transfer mission, the Contractor is authorized to conduct activities including but not limited to: identifying and protecting Intellectual Property made, created or acquired at or by the Laboratory; negotiating licensing agreements and assignments for Intellectual Property made, created or acquired at or by the Laboratory that the Contractor controls or owns; bailments; negotiating all aspects of and entering into CRADAs; providing technical consulting and personnel exchanges; conducting science education activities and reimbursable Work for Others (WFO); providing information exchanges; and making available laboratory or weapon production user facilities. It is fully expected that the Contractor shall use all of the mechanisms available to it to accomplish this technology transfer mission, including, but not limited to, CRADAs, user facilities, WFO, science education activities, consulting, personnel, assignments, and licensing in accordance with this clause.

(b) Definitions. (1) Contractor's Laboratory Director means the individual who has supervision over all or substantially all of the Contractor's operations at the Laboratory.

(2) Intellectual Property means patents, trademarks, copyrights, mask works, protected CRADA information, and other forms of comparable property rights protected by Federal Law and other foreign counterparts.

(3) Cooperative Research and Development Agreement (CRADA) means any agreement entered into between the Contractor as operator of the Laboratory, and one or more parties including at least one non-Federal party under which the Government, through its laboratory, provides personnel, services, facilities, equipment, intellectual property, or other resources with or without reimbursement (but not funds to non-Federal parties) and the non-Federal parties provide funds, personnel, services, facilities, equipment, intellectual property, or other resources toward the conduct of specified research or development efforts which are consistent with the missions of the Laboratory; except that such term does not include a procurement contract, grant, or

cooperative agreement as those terms are used in sections 6303, 6304, and 6305 of Title 31 of the United States Code.

(4) Joint Work Statement (JWS) means a proposal for a CRADA prepared by the Contractor, signed by the Contractor's Laboratory Director or designee which describes the following:

(i) Purpose;

(ii) Scope of Work which delineates the rights and responsibilities of the Government, the Contractor and Third Parties, one of which must be a non-Federal party;

(iii) Schedule for the work; and

(iv) Cost and resource contributions of the parties associated with the work and the schedule.

(5) Assignment means any agreement by which the Contractor transfers ownership of Laboratory Intellectual Property, subject to the Government's retained rights.

(6) Laboratory Biological Materials means biological materials capable of replication or reproduction, such as plasmids, deoxyribonucleic acid molecules, ribonucleic acid molecules, living organisms of any sort and their progeny, including viruses, prokaryote and eukaryote cell lines, transgenic plants and animals, and any derivatives or modifications thereof or products produced through their use or associated biological products, made under this contract by Laboratory employees or through the use of Laboratory research facilities.

(7) Laboratory Tangible Research Product means tangible material results of research which

(i) are provided to permit replication, reproduction, evaluation or confirmation of the research effort, or to evaluate its potential commercial utility;

(ii) are not materials generally commercially available; and

(iii) were made under this contract by Laboratory employees or through the use of Laboratory research facilities.

(8) Bailment means any agreement in which the Contractor permits the commercial or non-commercial transfer of custody, access or use of Laboratory Biological Materials or Laboratory Tangible Research Product for a specified

purpose of technology transfer or research and development, including without limitation evaluation, and without transferring ownership to the bailee.

(9) (Deviation) Privately funded technology transfer means the prosecuting, maintaining, licensing, and marketing of inventions which are not owned by the Government (and not related to CRADAs) when such activities are conducted entirely without the use of Government funds.

(c) Allowable Costs.

(1) The Contractor shall establish and carry out its technology transfer efforts through appropriate organizational elements consistent with the requirements for an Office of Research and Technology Applications (ORTA) pursuant to paragraphs (b) and (c) of Section 11 of the Stevenson-Wydler Technology Innovation Act of 1980, as amended (15 U.S.C. 3710). The costs associated with the conduct of technology transfer through the ORTA including activities associated with obtaining, maintaining, licensing, and assigning Intellectual Property rights, increasing the potential for the transfer of technology, and the widespread notice of technology transfer opportunities, shall be deemed allowable provided that such costs meet the other requirements of the allowable costs provisions of this Contract. In addition to any separately designated funds, these costs in any fiscal year shall not exceed an amount equal to 0.5 percent of the operating funds included in the Federal research and development budget (including Work For Others) of the Laboratory for that fiscal year without written approval of the contracting officer.

(2) The Contractor's participation in litigation to enforce or defend Intellectual Property claims incurred in its technology transfer efforts shall be as provided in the clause entitled "Insurance-Litigation and Claims" of this contract.

(d) Conflicts of Interest-Technology Transfer. The Contractor shall have implementing procedures that seek to avoid employee and organizational conflicts of interest, or the appearance of conflicts of interest, in the conduct of its technology transfer activities. These procedures shall apply to other persons participating in Laboratory research or related technology transfer activities. Such implementing procedures shall be provided to the contracting officer for review and approval within sixty (60) days after execution of this contract. The contracting officer shall have thirty (30) days thereafter to approve or require specific changes to such procedures. Such implementing procedures shall include procedures to:

(1) Inform employees of and require conformance with standards of conduct and integrity in connection with the CRADA activity in accordance with the provisions of paragraph (n)(5) of this clause;

(2) Review and approve employee activities so as to avoid conflicts of interest arising from commercial utilization activities relating to Contractor-developed Intellectual Property;

(3) Conduct work performed using royalties so as to avoid interference with or adverse effects on ongoing DOE projects and programs;

(4) Conduct activities relating to commercial utilization of Contractor-developed Intellectual Property so as to avoid interference with or adverse effects on user facility or WFO activities of the Contractor;

(5) Conduct DOE-funded projects and programs so as to avoid the appearance of conflicts of interest or actual conflicts of interest with non-Government funded work;

(6) Notify the contracting officer with respect to any new work to be performed or proposed to be performed under the Contract for DOE or other Federal agencies where the new work or proposal involves Intellectual Property in which the Contractor has obtained or intends to request or elect title;

(7) Except as provided elsewhere in this Contract, obtain the approval of the contracting officer for any licensing of or assignment of title to Intellectual Property rights by the Contractor to any business or corporate affiliate of the Contractor;

(8) Obtain the approval of the contracting officer prior to any assignment, exclusive licensing, or option for exclusive licensing, of Intellectual Property to any individual who has been a Laboratory employee within the previous two years or to the company in which the individual is a principal; and

(9) Notify non-Federal sponsors of WFO activities, or non-Federal users of user facilities, of any relevant Intellectual Property interest of the Contractor prior to execution of WFOs or user agreements.

(10) Notify DOE prior to evaluating a proposal by a third party or DOE, when the subject matter of the proposal involves an elected or waived subject invention under this contract or one in which the Contractor intends to elect to retain title under this contract.

(e) Fairness of Opportunity. In conducting its technology transfer activities, the Contractor shall prepare procedures and take all reasonable measures to ensure widespread notice of availability of technologies suited for transfer and opportunities for exclusive licensing and joint research arrangements. The requirement to widely disseminate the availability of technology transfer opportunities does not apply to a specific application originated outside of the Laboratory and by entities other than the Contractor.

(f) U.S. Industrial Competitiveness. (1) In the interest of enhancing U.S. Industrial Competitiveness, the Contractor shall, in its licensing and assignments of Intellectual Property, give preference in such a manner as to enhance the accrual of economic and technological benefits to the U.S. domestic economy. The Contractor shall consider the following factors in all of its licensing and assignment decisions involving Laboratory intellectual property where the Laboratory obtains rights during the course of the Contractor's operation of the Laboratory under this contract:

(i) whether any resulting design and development will be performed in the United States and whether resulting products, embodying parts, including components thereof, will be substantially manufactured in the United States; or

(ii) (A) whether the proposed licensee or assignee has a business unit located in the United States and whether significant economic and technical benefits will flow to the United States as a result of the license or assignment agreement; and

(B) in licensing any entity subject to the control of a foreign company or government, whether such foreign government permits United States agencies, organizations or other persons to enter into cooperative research and development agreements and licensing agreements, and has policies to protect United States Intellectual Property rights.

(2) If the Contractor determines that neither of the conditions in paragraphs (f)(1)(i) or (ii) of this clause are likely to be fulfilled, the Contractor, prior to entering into such an agreement, must obtain the approval of the contracting officer. The contracting officer shall act on any such requests for approval within thirty (30) days.

(3) The Contractor agrees to be bound by the provisions of 35 U.S.C. 204 (Preference for United States industry).

(g) Indemnity-Product Liability. In entering into written technology transfer agreements, including but not limited to, research and development agreements, licenses, assignments and CRADAs, the Contractor agrees to include in such agreements a requirement that the U.S. Government and the Contractor, except for any negligent acts or omissions of the Contractor, be indemnified for all damages, costs, and expenses, including attorneys' fees, arising from personal injury or property damage occurring as a result of the making, using or selling of a product, process or service by or on behalf of the Participant, its assignees or licensees which was derived from the work performed under the agreement. The Contractor shall identify and obtain the approval of the contracting officer for any proposed exceptions to this requirement such as where State or local law expressly prohibit the Participant from providing indemnification or where the research results will be placed in the public domain.

(h) Disposition of Income. (1) Royalties or other income earned or retained by the Contractor as a result of performance of authorized technology transfer activities herein shall be used by the Contractor for scientific research, development, technology transfer, and education at the Laboratory, consistent with the research and development mission and objectives of the Laboratory and subject to Section 12(b)(5) of the Stevenson-Wydler Technology Innovation Act of 1980, as amended (15 U.S.C. 3710a(b)(5)) and Chapter 38 of the Patent Laws (35 U.S.C. 200 et seq.) as amended through the effective date of this contract award or modification. If the net amounts of such royalties and income received from patent licensing after payment of patenting costs, licensing costs, payments to inventors and other expenses incidental to the administration of Subject Inventions during any fiscal year exceed 5 percent of the Laboratory's budget for that fiscal year, 75 percent of such excess amounts shall be paid to the Treasury of the United States, and the remaining amount of such excess shall be used by the Contractor for the purposes as described above in this paragraph. Any inventions arising out of such scientific research and development activities shall be deemed to be Subject Inventions under the Contract.

(2) The Contractor shall include as a part of its annual Laboratory Institutional Plan or other such annual document a plan setting out those uses to which royalties and other income received as a result of performance of authorized technology transfer activities herein will be applied at the Laboratory, and at the end of the year, provide a separate accounting for how the funds were actually used. Under no circumstances shall these royalties and income be used for an illegal augmentation of funds furnished by the U.S. Government.

(3) The Contractor shall establish subject to the approval of the contracting officer a policy for making awards or sharing of royalties with Contractor employees, other coinventors and coauthors, including Federal employee coinventors when deemed appropriate by the contracting officer.

(i) Transfer to Successor Contractor. In the event of termination or upon the expiration of this Contract, any unexpended balance of income received for use at the Laboratory shall be transferred, at the contracting officer's request, to a successor contractor, or in the absence of a successor contractor, to such other entity as designated by the contracting officer. The Contractor shall transfer title, as one package, to the extent the Contractor retains title, in all patents and patent applications, licenses, accounts containing royalty revenues from such license agreements, including equity positions in third party entities, and other Intellectual Property rights which arose at the Laboratory, to the successor contractor or to the Government as directed by the contracting officer.

(j) Technology Transfer Affecting the National Security. (1) The Contractor shall notify and obtain the approval of the contracting officer, prior to entering into any technology transfer arrangement, when such technology or any part of such technology is classified or sensitive under Section 148 of the Atomic Energy Act (42

U.S.C. 2168). Such notification shall include sufficient information to enable DOE to determine the extent that commercialization of such technology would enhance or diminish security interests of the United States, or diminish communications within DOE's nuclear weapon production complex. DOE shall use its best efforts to complete its determination within sixty (60) days of the Contractor's notification, and provision of any supporting information, and DOE shall promptly notify the Contractor as to whether the technology is transferable.

(2) The Contractor shall include in all of its technology transfer agreements with third parties, including, but not limited to, CRADAs, licensing agreements and assignments, notice to such third parties that the export of goods and/or Technical Data from the United States may require some form of export control license or other authority from the U.S. Government and that failure to obtain such export control license may result in criminal liability under U.S. laws.

(3) For other than fundamental research as defined in National Security Decision Directive 189, the Contractor is responsible to conduct internal export control reviews and assure that technology is transferred in accordance with applicable law.

(k) Records. The Contractor shall maintain records of its technology transfer activities in a manner and to the extent satisfactory to the DOE and specifically including, but not limited to, the licensing agreements, assignments and the records required to implement the requirements of paragraphs (e), (f), and (h) of this clause and shall provide reports to the contracting officer to enable DOE to maintain the reporting requirements of Section 12(c)(6) of the Stevenson-Wydler Technology Innovation Act of 1980, as amended (15 U.S.C. 3710a(c)(6)). Such reports shall be made annually in a format to be agreed upon between the Contractor and DOE and in such a format which will serve to adequately inform DOE of the Contractor's technology transfer activities while protecting any data not subject to disclosure under the Rights in Technical Data clause and paragraph (n) of this clause. Such records shall be made available in accordance with the clauses of this Contract pertaining to inspection, audit and examination of records.

(l) Reports to Congress. To facilitate DOE's reporting to Congress, the Contractor is required to submit annually to DOE a technology transfer plan for conducting its technology transfer function for the upcoming year, including plans for securing Intellectual Property rights in Laboratory innovations with commercial promise and plans for managing such innovations so as to benefit the competitiveness of United States industry. This plan shall be provided to the contracting officer on or before October 1st of each year.

(m) Oversight and Appraisal. The Contractor is responsible for developing and implementing effective internal controls for all technology transfer activities consistent with the audit and record requirements of this Contract. Laboratory Contractor performance in implementing the technology transfer mission and the

effectiveness of the Contractor's procedures will be evaluated by the contracting officer as part of the annual appraisal process, with input from the cognizant Secretarial Officer or program office.

(n) Technology Transfer Through Cooperative Research and Development Agreements. Upon approval of the contracting officer and as provided in a DOE approved Joint Work Statement (JWS), the Laboratory Director, or designee, may enter into CRADAs on behalf of the DOE subject to the requirements set forth in this paragraph.

(1) Review and Approval of CRADAs. (i) Except as otherwise directed in writing by the contracting officer, each JWS shall be submitted to the contracting officer for approval. The Contractor's Laboratory Director or designee shall provide a program mission impact statement and shall include an impact statement regarding related Intellectual Property rights known by the Contractor to be owned by the Government to assist the contracting officer in the approval determination.

(ii) The Contractor shall also include (specific to the proposed CRADA), a statement of compliance with the Fairness of Opportunity requirements of paragraph (e) of this clause.

(iii) Within thirty (30) days after submission of a JWS or proposed CRADA, the contracting officer shall approve, disapprove or request modification to the JWS or CRADA. The contracting officer shall provide a written explanation to the Contractor's Laboratory Director or designee of any disapproval or requirement for modification of a JWS or proposed CRADA.

(iv) Except as otherwise directed in writing by the contracting officer, the Contractor shall not enter into, or begin work under, a CRADA until approval of the CRADA has been granted by the contracting officer. The Contractor may submit its proposed CRADA to the contracting officer at the time of submitting its proposed JWS or any time thereafter.

(2) Selection of Participants. The Contractor's Laboratory Director or designee in deciding what CRADA to enter into shall:

(i) Give special consideration to small business firms, and consortia involving small business firms;

(ii) Give preference to business units located in the United States which agree that products or processes embodying Intellectual Property will be substantially manufactured or practiced in the United States and, in the case of any industrial organization or other person subject to the control of a foreign company or government, take into consideration whether or not

such foreign government permits United States agencies, organizations, or other persons to enter into cooperative research and development agreements and licensing agreements;

(iii) Provide Fairness of Opportunity in accordance with the requirements of paragraph (e) of this clause; and

(iv) Give consideration to the Conflicts of Interest requirements of paragraph (d) of this clause.

(3) Withholding of Data. (i) Data that is first produced as a result of research and development activities conducted under a CRADA and that would be a trade secret or commercial or financial data that would be privileged or confidential, if such data had been obtained from a non-Federal third party, may be protected from disclosure under the Freedom of Information Act as provided in the Stevenson-Wydler Technology Innovation Act of 1980, as amended (15 U.S.C. 3710a(c)(7)) for a period as agreed in the CRADA of up to five (5)years from the time the data is first produced. The DOE shall cooperate with the Contractor in protecting such data.

(ii) Unless otherwise expressly approved by the contracting officer in advance for a specific CRADA, the Contractor agrees, at the request of the contracting officer, to transmit such data to other DOE facilities for use by DOE or its Contractors by or on behalf of the Government. When data protected pursuant to paragraph (n)(3)(i) of this clause is so transferred, the Contractor shall clearly mark the data with a legend setting out the restrictions against private use and further dissemination, along with the expiration date of such restrictions.

(iii) In addition to its authority to license Intellectual Property, the Contractor may enter into licensing agreements with third parties for data developed by the Contractor under a CRADA subject to other provisions of this Contract. However, the Contractor shall neither use the protection against dissemination nor the licensing of data as an alternative to the submittal of invention disclosures which include data protected pursuant to paragraph (n)(3)(i) of this clause.

(4) Work For Others and User Facility Programs. (i) WFO and User Facility Agreements (UFAs) are not CRADAs and will be available for use by the Contractor in addition to CRADAs for achieving utilization of employee expertise and unique facilities for maximizing technology transfer. The Contractor agrees form prospective CRADA participants, which are intending to substantially pay full cost recovery for the effort under a proposed CRADA, of the availability of alternative forms of agreements, i.e., WFO and UFA, and of the Class Patent Waiver provisions associated therewith.

(ii) Where the Contractor believes that the transfer of technology to the U.S. domestic economy will benefit from, or other equity considerations dictate, an arrangement other than the Class Waiver of patent rights to the sponsor in WFO and UFAs, a request may be made to the contracting officer for an exception to the Class Waivers.

(iii) Rights to inventions made under agreements other than funding agreements with third parties shall be governed by the appropriate provisions incorporated, with DOE approval, in such agreements, and the provisions in such agreements take precedence over any disposition of rights contained in this Contract. Disposition of rights under any such agreement shall be in accordance with any DOE class waiver (including Work for Others and User Class Waivers) or individually negotiated waiver which applies to the agreement.

(5) Conflicts of Interest. (i) Except as provided in paragraph (n)(5)(iii) of this clause, the Contractor shall assure that no employee of the Contractor shall have a substantial role (including an advisory role) in the preparation, negotiation, or approval of a CRADA, if, to such employee's knowledge:

(A) Such employee, or the spouse, child, parent, sibling, or partner of such employee, or an organization (other than the Contractor) in which such employee serves as an officer, director, trustee, partner, or employee-

(1) holds financial interest in any entity, other than the Contractor, that has a substantial interest in the preparation, negotiation, or approval of the CRADA;

(2) receives a gift or gratuity from any entity, other than the Contractor, that has a substantial interest in the preparation, negotiation, or approval of the CRADA; or

(B) A financial interest in any entity, other than the Contractor, that has a substantial interest in the preparation, negotiation, or approval of the CRADA, is held by any person or organization with whom such employee is negotiating or has any arrangement concerning prospective employment.

(ii) The Contractor shall require that each employee of the Contractor who has a substantial role (including an advisory role) in the preparation, negotiation, or approval of a CRADA certify through the Contractor to the contracting officer that the circumstances described in paragraph (n)(5)(i) of this clause do not apply to that employee.

(iii) The requirements of paragraphs (n)(5)(i) and (n)(5)(ii) of this clause shall not apply in a case where the contracting officer is advised by the Contractor in advance of the participation of an employee

described in those paragraphs in the preparation, negotiation or approval of a CRADA of the nature of and extent of any financial interest described in paragraph (n)(5)(i) of this clause, and the contracting officer determines that such financial interest is not so substantial as to be considered likely to affect the integrity of the Contractor employee's participation in the process of preparing, negotiating, or approving the CRADA.

(o) Technology Transfer in Other Cost-Sharing Agreements. In conducting research and development activities in cost-shared agreements not covered by paragraph (n) of this clause, the Contractor, with prior written permission of the contracting officer, may provide for the withholding of data produced thereunder in accordance with the applicable provisions of paragraph (n)(3) of this clause.

(p) Technology Partnership Ombudsman.

(1) The Contractor agrees to establish a position to be known as "Technology Partnership Ombudsman," to help resolve complaints from outside organizations regarding the policies and actions of the contractor with respect to technology partnerships (including CRADAs), patents owned by the contractor for inventions made at the laboratory, and technology licensing.

(2) The Ombudsman shall be a senior official of the Contractor's laboratory staff, who is not involved in day-to-day technology partnerships, patents or technology licensing, or, if appointed from outside the laboratory or facility, shall function as such senior official.

(3) The duties of the Technology Partnership Ombudsman shall include:

(i) Serving as the focal point for assisting the public and industry in resolving complaints and disputes with the laboratory or facility regarding technology partnerships, patents, and technology licensing;

(ii) Promoting the use of collaborative alternative dispute resolution techniques such as mediation to facilitate the speedy and low cost resolution of complaints and disputes, when appropriate; and

(iii) Submitting a quarterly report, in a format provided by DOE, to the Secretary of Energy, the Administrator for Nuclear Security, the Director of the DOE Office of Dispute Resolution, and the Contracting Officer concerning the number and nature of complaints and disputes raised, along with the Ombudsman's assessment of their resolution, consistent with the protection of confidential and sensitive information.

(q) (Deviation) Nothing in paragraphs (c) Allowable Costs, (e) Fairness of Opportunity, (f) U.S. Industrial Competitiveness, (g) Indemnity-Product Liability, (h) Disposition of Income, and (i) Transfer to Successor Contractor of this clause are intended to apply to the contractor's privately funded technology transfer activities if such privately funded activities are addressed elsewhere in the contract.

I-124. 970.5204-42 Key Personnel (Apr 1984)

It having been determined that the employees whose names appear in Section J, Appendix B, or persons approved by the Contracting Officer as persons of substantially equal abilities and qualifications, are necessary for the successful performance of this contract, the Contractor agrees to assign such employees or persons to the performance of the work under this contract and shall not reassign or remove any of them without the consent of the contracting officer. Whenever, for any reason, one or more of the aforementioned employees is unavailable for assignment for work under the contract, the Contractor shall, with the approval of the Contracting Officer, replace such employee with an employee of substantially equal abilities and qualifications.

I-125. 970.5204-43 Other Government Contractors (Apr 1994)

The Government may undertake or award other contracts for additional work or services. The Contractor agrees to fully cooperate with such other Contractors and Government employees and carefully fit its own work to such other work as may be directed by the Contracting Officer. The Contractor shall not commit or permit any act which will interfere with the performance of work by any other Contractor or by Government employees.

I-126. 970.5204-44 Flowdown of Contract Requirements to Subcontracts (Feb 1997) (As revised on 7/30/97) (As revised on 10/23/98)

(a) The Contractor shall include the clauses in paragraph (b) of this clause in appropriate subcontracts.

(1) To the extent that the clause is included in this prime contract, the Contractor shall comply with that portion of the clause that directs application to subcontracts.

(2) To the extent that the clause is not included in this prime contract, or where it is included but there is no instruction for treatment in subcontracts, the Contractor shall include the clause in accordance with applicable regulatory guidance which would apply if the subcontract were a prime contract with the Federal Government.

(3) In all cases, where a regulation is cited, the Contractor shall comply with the regulation in administration of the related clause.

(b) *Clauses and Related Regulations.*

(1) *Air Transportation by U.S.-Flag Carriers.* Clause at FAR 52.247-63.

(2) *Anti-Kickback Act of 1986.* Clause at FAR 52.203-7.

(3) *Clean Air and Water.* Clause at FAR 52.223-2, and follow the requirements of FAR 23.1.

(4) *Contract Work Hours and Safety Standards Act.* Clause at FAR 52.222-4, and follow the requirements of FAR 22.3.

(5) *Cost or Pricing Data.* (5) Cost or Pricing Data. Clauses prescribed at 48 CFR (DEAR) 970.15406-2, and appropriate contract provisions similar to those set forth at 48 CFR 52.215-10 and 48 CFR 52.215-11, that provide for the reduction of a negotiated subcontract price by any significant amount that the subcontract price was increased because of the submission of defective cost or pricing data by a subcontractor at any tier.

(6) *Cost and Schedule Control Systems.* Clause at 48 CFR (DEAR) 970.5204-50.

(7) *Cost Accounting Standards.* Clause at FAR 52.230-2, as prescribed in 48 CFR (DEAR) 970.30.

(8) *Davis-Bacon Act.* Clauses as directed at FAR 22.407, and follow the requirements of FAR 22.4 to the same extent that they would apply if the subcontract had been directly awarded by DOE. 48 CFR (DEAR) Subpart 922.4 and 48 CFR (DEAR) 970.2273 provide guidance to assist in determining the applicability of these regulations.

(9) *Employment of the Handicapped.* Clause at FAR 52.222-36, and follow the requirements of FAR 22.14.

(10) *Environmental and Occupational Safety and Health.* Clauses as prescribed in 48 CFR (DEAR) 970.2303-2.

(11) *Equal Employment Opportunity.* Clauses as prescribed in FAR 22.810, as applicable, and follow the requirements of FAR 22.8, 48 CFR (DEAR) 922.8, E.O. 11246 and 41 CFR Part 60.

(12) RESERVED

(13) *Foreign Travel.* Clause at 48 CFR (DEAR) 970.5204-52.

(14) *Nuclear Hazards Indemnity.* Clause at 48 CFR (DEAR) 970.2870.

(15) *Organizational Conflicts of Interest.* Clause at 48 CFR (DEAR) 952.209-72 in accordance with 48 CFR (DEAR) 970.0905.

(16) *Patent, Data and Copyrights.* Appropriate clauses as required by 48 CFR (DEAR) Parts 927 and 970.

(17) *Printing.* Clause at 48 CFR (DEAR) 970.5204-19.

(18) *Privacy Act.* Clauses at FAR 52.224-1 and FAR 52.224-2, and follow the requirements of FAR 24.1.

(19) *Accounts, Records, and Inspections.* Clause at 48 CFR (DEAR) 970.5204-9.

(20) *Safeguarding Classified Information.* Appropriate clauses as prescribed at 48 CFR (DEAR) 970.0404.

(21) *Service Contract Act.* Clauses at FAR 52.222-40 and FAR 52.222-41.

(22) *Small Business and Small Disadvantaged Business Concerns.* Clause at FAR 52.219-9.

(23) *Special Disabled and Vietnam Era Veterans.* Clause at FAR 52.222-35, and follow the requirements of FAR Subpart 22.13.

(24) *Taxes.* Clause similar to 48 CFR (DEAR) 970.5204-23 cost-reimbursement. An appropriate tax clause covering tax matters should also be included in fixed-price subcontracts.

(25) *Termination.* Appropriate clause or clauses as set forth at FAR 52.249-1 through 52.249-14.

(c) *Other*. Omission from the foregoing list of contract flowdown provisions shall not be construed as waiving a requirement for the Contractor to comply with a flowdown requirement for subcontracts appearing elsewhere in this contract.

I-127. 970.5204-45 Termination (Oct 1995)

(a) This contract shall continue until September 30, 2005, unless sooner terminated in accordance with the provisions which follow:

(1) The performance of work under this contract may be terminated by the Government in whole, or from time to time in part,

(i) whenever the Contractor shall default in performance, and shall fail to cure the fault or failure within such period as the Contracting Officer may allow after receipt from the Contracting Officer of a notice specifying the fault or failure, or

(ii) whenever, for any reason, the Contracting Officer shall determine any such termination is for the best interest of the Government. Termination of the work hereunder shall be effected by delivery of a notice of termination specifying whether termination is for default of

the Contractor or for the convenience of the Government, the extent to which performance of work under the contract shall be terminated, and the date upon which such termination shall become effective. Any such termination shall be without prejudice to any claim which either party may have against the other. If, after notice of termination under the provisions of paragraph (a)(1)(i) of this section, it is determined for any reason that the contractor was not in default, such notice of default shall be deemed to have been issued pursuant to paragraph (a)(1)(ii) of this section, and the rights and obligations of the parties hereto shall in such event be governed accordingly.

(2) Upon receipt of notice of termination, in accordance with (1) above, the Contractor shall, to the extent directed in writing by the Contracting Officer, discontinue the terminated work and the placing of orders for materials, facilities, supplies, and services in connection therewith, and shall proceed, if, and to the extent required by the contracting officer, to cancel promptly and settle with the approval of the contracting officer, existing orders, subcontracts, and commitments insofar as such orders, subcontracts, and commitments pertain to this contract.

(b) Upon the termination of this contract, full and complete settlement of all claims of the Contractor and of DOE arising out of this contract shall be made as follows:

(1) The Government shall have the right in its discretion to assume sole responsibility for any or all obligations, commitments, and claims that the Contractor may have undertaken or incurred, the cost of which are allowable in accordance with the provisions of this contract; and the contractor shall, as a condition of receiving the payments mentioned in this article, execute and deliver all such papers and; take all such steps as the Contracting Officer may require for the purpose of fully vesting in the Government any rights and benefits the Contractor may have under or in connection with such obligations, commitments, or claims.

(2) The Government shall treat as allowable costs all expenditures made in accordance with and allowable under the clause entitled “Allowable Costs and Fixed Fee,” not previously so allowed or otherwise credited for work performed prior to the effective date of termination, together with expenditures as may be incurred for a reasonable time thereafter with the approval of, or as directed by, the Contracting Officer.

(3) The Government shall treat as allowable costs, to the extent not included in paragraph (b)(2) of this section, the costs of settling and paying claims arising out of the termination of work under orders, subcontracts, and commitments as provided in paragraph (a)(2) of this section.

(4) The Government shall treat as allowable costs 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 termination of the contract and for the termination and settlement of orders and subcontracts thereunder, together with such further expenditures made by the Contractor after the date of termination for the protection or disposition of Government property as are approved or required by the Contracting Officer; provided, however, that if the termination is for default of the Contractor, there shall not be included any amount for preparation of the Contractor's settlement proposal.

(5) If performance of work under this contract is terminated in whole by the Government, the fixed fee of the Contractor shall be prorated to and including the effective date of such termination. In addition, if the termination is for the convenience of the Government, the Contractor shall be paid a fixed fee in an amount to be agreed upon as compensation for its services in closing out the work under this contract after the effective date of such termination. The additional fixed fee is to be negotiated as soon as practicable after service of notice of termination, shall take into account the estimate of the cost of the services and managerial effort to be rendered under this clause after the effective date of termination, and shall be provided for in a supplement or amendment to this contract prior to final settlement hereunder. Pending agreement as to the amount of such fee, the Contractor shall diligently proceed with the performance of the services required under this clause. No additional fee will be paid if the contract is terminated due to the default of the Contractor. In the event of a partial termination by the Government, an equitable adjustment shall be made in the fixed fee if such termination results in a material decrease in the level of the Contractor's management effort. Any failure to agree on the right to or the amount of any adjustment shall be deemed a dispute within the purview of the clause hereof entitled "Disputes."

(6) The obligation of the Government to make any of the payments required by this clause or any other provisions of this contract shall be subject to any unsettled claims in connection with this contract which the Government may have against the Contractor.

(c) Prior to final settlement, the Contractor shall furnish a release as required in the clause entitled "Payments and Advances" and account for Government-owned property as may be required by the Contracting Officer: provided, however, that unless the Contracting Officer requires an inventory, the maintenance and disposition of the records of Government-owned property in accordance with the clause entitled "Accounts, Records and Inspection" shall be accepted by the Contracting Officer as full compliance with all requirements of this contract pertaining to an accounting for such property.

I-128. 970.5204-54 Total Available Fee: Base Fee Amount and Performance Fee Amount (Apr 1999) (Alternates II and III)

(a) *Total available fee*. Total available fee, consisting of a base fee amount (which may be zero) and a performance fee amount (consisting of an incentive fee component for objective performance requirements, an award fee component for subjective performance requirements, or both) determined in accordance with the provisions of this clause, is available for payment in accordance with the clause of this contract entitled "Payments and Advances."

(b) *Fee Negotiations*. Prior to the beginning of each fiscal year under this contract, or other appropriate period as mutually agreed upon and, if exceeding one year, approved by the Procurement Executive, or designee, the Contracting Officer and Contractor shall enter into negotiation of the requirements for the year or appropriate period, including the evaluation areas and individual requirements subject to incentives, the total available fee, and the allocation of fee. The Contracting Officer shall modify this contract at the conclusion of each negotiation to reflect the negotiated requirements, evaluation areas and individual requirements subject to incentives, the total available fee, and the allocation of fee. In the event the parties fail to agree on the requirements, the evaluation areas and individual requirements subject to incentives, the total available fee, or on the allocation of fee, a unilateral determination will be made by the Contracting Officer. The total available fee amount shall be allocated to a twelve month cycle composed of one or more evaluation periods, or such longer period as may be mutually agreed to between the parties and approved by the Procurement Executive, or designee.

(c) *Determination of Total Available Fee Amount Earned.*

(1) The Government shall, at the conclusion of each specified evaluation period, evaluate the contractor's performance of all requirements, including performance based incentives completed during the period, and determine the total available fee amount earned. At the Contracting Officer's discretion, evaluation of incentivized performance may occur at the scheduled completion of specific incentivized requirements.

(2) The DOE Operations/Field Office Manager, or designee, will be the Manager, Oak Ridge Operations Office, or designee. The contractor agrees that the determination as to the total available fee earned is a unilateral determination made by the DOE Operations/Field office Manager, or designee.

(3) The evaluation of contractor performance shall be in accordance with the Performance Evaluation and Measurement Plan(s) described in subparagraph (d) of this clause unless otherwise set forth in the contract. The Contractor shall be promptly advised in writing of the fee determination, and the basis of the fee determination. In the event that the

contractor's performance is considered to be less than the level of performance set forth in the Statement of Work, as amended to include the current Work Authorization Directive or similar document, for any contract requirement, it will be considered by the DOE Operations/Field Office Manager, or designee, who may at his/her discretion adjust the fee determination to reflect such performance. Any such adjustment shall be in accordance with the clause entitled "Conditional Payment of Fee, Profit, or Incentives" if contained in the contract.

(4) Award fee not earned during the evaluation period shall not be allocated to future evaluation periods.

(d) *Performance Evaluation and Measurement Plan(s)*. To the extent not set forth elsewhere in the contract:

(1) The Government shall establish a Performance Evaluation and Measurement Plan(s) upon which the determination of the total available fee amount earned shall be based. The Performance Evaluation and Measurement Plan(s) will address all of the requirements of contract performance specified in the contract directly or by reference. A copy of the Performance Evaluation and Measurement Plan(s) shall be provided to the Contractor:

(i) Prior to the start of an evaluation period if the requirements, evaluation areas, specific incentives, amount of fee, and allocation of fee to such evaluation areas and specific incentives have been mutually agreed to by the parties; or

(ii) Not later than thirty days prior to the scheduled start date of the evaluation period, if the requirements, evaluation areas, specific incentives, amount of fee, and allocation of fee to such evaluation areas and specific incentives have been unilaterally established by the Contracting Officer.

(2) The Performance Evaluation and Measurement Plan(s) will set forth the criteria upon which the Contractor will be evaluated relating to any technical, schedule, management, and/or cost objectives selected for evaluation. Such criteria should be objective, but may also include subjective criteria. The Plan(s) shall also set forth the method by which the total available fee amount will be allocated and the amount earned determined.

(3) The Performance Evaluation and Measurement Plan(s) may, consistent with the contract statement of work, be revised during the period of performance. The Contracting Officer shall notify the contractor:

(i) Of such unilateral changes at least ninety calendar days prior to the end of the affected evaluation period and at least thirty calendar days prior to the effective date of the change;

(ii) Of such bilateral changes at least sixty calendar days prior to the end of the affected evaluation period; or

(iii) If such change, whether unilateral or bilateral, is urgent and high priority, at least thirty calendar days prior to the end of the evaluation period.

(e) *Schedule for total available fee amount earned determinations*. The DOE Operations/Field Office Manager, or designee, shall issue the final total available fee amount earned determination in accordance with the schedule set forth in the Performance Evaluation and Measurement Plan(s). However, a determination must be made within sixty calendar days after the receipt by the Contracting Officer of the Contractor's self-assessment, if one is required or permitted by paragraph (f) of this clause, or seventy calendar days after the end of the evaluation period, whichever is later. If the Contracting Officer evaluates the Contractor's performance of specific requirements on their completion, the payment of any earned fee amount must be made within seventy calendar days (or such other time period as mutually agreed to between the Contracting Officer and the Contractor) after such completion. If the determination is delayed beyond that date, the Contractor shall be entitled to interest on the determined total available fee amount earned at the rate established by the Secretary of the Treasury under section 12 of the Contract Disputes Act of 1978 (41 U.S.C. 611) that is in effect on the payment date. This rate is referred to as the "Renegotiations Board Interest Rate," and is published in the **Federal Register** semiannually on or about January 1 and July 1. The interest on any late total available fee amount earned determination will accrue daily and be compounded in 30-day increments inclusive from the first day after the schedule determination date through the actual date the determination is issued. That is, interest accrued at the end of any 30-day period will be added to the determined amount of fee earned and be subject to interest if not paid in the succeeding 30-day period.

(f) *Contractor self-assessment*. Following each evaluation period, the Contractor shall submit a self-assessment within forty-five (45) calendar days after the end of the period. This self-assessment shall address both the strengths and weaknesses of the Contractor's performance during the evaluation period. Where deficiencies in performance are noted, the Contractor shall describe the actions planned or taken to correct such deficiencies and avoid their recurrence. The DOE Operations/Field Office Manager, or designee, will review the Contractor's self-assessment, if submitted, as part of the evaluation of the Contractor's management during the period. A self-assessment, in and of itself may not be the only basis for the award fee determination.

I-129. 970.5204-58 Workplace Substance Abuse Programs at DOE Sites (Aug 1992)

(a) *Program Implementation.* The Contractor shall, consistent with 10 CFR part 707, Workplace Substance Abuse Programs at DOE Sites, incorporated herein by reference with full force and effect, develop, implement, and maintain a workplace substance abuse program.

(b) *Remedies.* In addition to any other remedies available to the Government, the Contractor's failure to comply with the requirements of 10 CFR part 707 or to perform in a manner consistent with its approved program may render the Contractor subject to: the suspension of contract payments, or, where applicable, a reduction in award fee; termination for default; and suspension or debarment.

(c) *Subcontracts.*

(1) The Contractor agrees to notify the Contracting Officer reasonably in advance of, but not later than 30 days prior to, the award of any subcontract the Contractor believes may be subject to the requirements of 10 CFR part 707.

(2) The DOE prime Contractor shall require all subcontracts subject to the provisions of 10 CFR part 707 to agree to develop and implement a workplace substance abuse program that complies with the requirements of 10 CFR part 707, Workplace Substance Abuse Programs at DOE Sites, as a condition for award of the subcontract. The DOE prime Contractor shall review and approve each Subcontractor's program, and shall periodically monitor each Subcontractor's implementation of the program for effectiveness and compliance with 10 CFR part 707.

(3) The Contractor agrees to include, and require the inclusion of, the requirements of this clause in all subcontracts, at any tier, that are subject to the provisions of 10 CFR part 707.

I-130. 970.5204-59 Whistleblower Protection for Contractor Employees (Apr 1999)

(a) The Contractor shall comply with the requirements of the "DOE Contractor Employee Protection Program" at 10 CFR part 708 for work performed on behalf of DOE directly related to activities at DOE-owned or -leased sites.

(b) The Contractor shall insert or have inserted the substance of this clause, including this paragraph (b), in subcontracts at all tiers, for subcontracts involving work performed on behalf of DOE directly related to activities at DOE-owned or -leased sites.

I-131. 970.5204-60 Facilities Management (Nov 1997)

(a) *Site Development Planning*. The Government shall provide to the contractor site development guidance for the facilities and lands for which the contractor is responsible under the terms and conditions of this contract. Based upon this guidance, the contractor shall prepare, and maintain through annual updates, a Long-Range Site Development Plan (Plan) to reflect those actions necessary to keep the development of these facilities current with the needs of the Government and allow the contractor to successfully accomplish the work required under this contract. In developing this Plan, the contractor shall follow the procedural guidance set forth in the applicable DOE Directives in the Life Cycle Facility Operations Series listed elsewhere in this contract. The contractor shall use the Plan to manage and control the development of facilities and lands. All plans and revisions shall be approved by the Government.

(b) *General Design Criteria.* The general design criteria which shall be utilized by the contractor in managing the site for which it is responsible under this contract are those specified in the applicable DOE Directives in the 6430, Design Criteria, series listed elsewhere in this contract. The contractor shall comply with these mandatory, minimally acceptable requirements for all facility designs with regard to any building acquisition, new facility, facility addition or alteration or facility lease undertaken as part of the site development activities of paragraph (a) above. This includes on-site constructed buildings, pre-engineered buildings, plan-fabricated modular buildings, and temporary facilities. For existing facilities, original design criteria apply to the structure in general; however, additions or modifications shall comply with this directive and the associated latest editions of the references therein. An exception may be granted for off-site office space being leased by the contractor on a temporary basis.

(c) *Energy Management.* The contractor shall manage the facilities for which it is responsible under the terms and conditions of this contract in an energy efficient manner in accordance with the applicable DOE Directives in the Life Cycle Facility Operations Series listed elsewhere in this contract. The contractor shall develop a 10-year energy management plan for each site with annual reviews and revisions. The contractor shall submit an annual report on progress toward achieving the goals of the 10-year plan for each individual site, and an energy conservation analysis report for each new building or building addition project. Any acquisition of utility services by the contractor shall be conducted in accordance with 48 CFR 970.41.

I-132. 970.5204-61 Cost Prohibitions Related to Legal and Other Proceedings (Jun 1997)

(a) *Definitions.*

Conviction, as used in this section, means a judgment or conviction of a criminal offense by any court of competent jurisdiction, whether entered upon a verdict or a plea, including a conviction due to a plea of *nolo contendere.*

Costs, include, but are not limited to, administrative and clerical expenses; the cost of legal services, whether performed by in-house or private counsel; the costs of the services of accountants, consultants, or others retained by the Contractor to assist it; all elements of compensation, related costs, and expenses of employees, officers and directors; and any similar costs incurred before, during, and after commencement of a proceeding which bears a direct relationship to the proceeding.

Fraud, as used herein, means

(1) Acts of fraud or corruption or attempts to defraud the Government or to corrupt its agents,

(2) Acts which constitute a cause for debarment or suspension under FAR 9.406-(2)(a) and FAR 9.407-(2)(a), and

(3) Acts which violate the False Claims Act, 31 U.S.C. 3729-3731, or the Anti-kickback Act, 41 U.S.C. 51 and 54.

Penalty, does not include restitution, reimbursement, or compensatory damages. Proceeding includes an investigation.

(b) Except as otherwise described in this section, costs incurred in connection with any proceeding brought by a third party in the name of the United States under the False Claims Act, 31 U.S.C. 3730, or costs incurred in connection with any criminal, civil or administrative proceeding by the Federal Government, or a State, local or foreign government, are not allowable if the proceeding relates to a violation of, or failure to comply with a Federal, State, local or foreign statute or regulation by the Contractor, and results in any of the following dispositions:

(1) In a criminal proceeding, conviction.

(2) In a civil or administrative proceeding involving an allegation of fraud or similar misconduct, a determination of Contractor liability.

(3) In the case of any civil or administrative proceeding, the imposition of a monetary penalty.

(4) A final decision by an appropriate Federal official to debar or suspend the Contractor, to rescind or void a contract, or to terminate a contract for default by reason of a violation of or failure to comply with a law or regulation.

(5) A disposition by consent or compromise, if the action could have resulted in any of the dispositions described in paragraphs (b)(1), (2), (3) or (4) of this section.

(6) Not covered by paragraphs (b)(1) through (5) of this section, but where the underlying alleged Contractor misconduct was the same as that which led to a different proceeding whose costs are unallowable by reason of paragraphs (b)(1) through (5) of this section.

(c) (1) If a proceeding referred to in paragraph (b) of this section is commenced by the Federal Government and is resolved by consent or compromise pursuant to an agreement entered into by the Contractor and the Federal Government, then the costs incurred by the Contractor in connection with such proceeding that are otherwise unallowable under paragraph (b) of this section may be allowed to the extent specifically provided in such agreement.

(2) In the event of a settlement of any proceeding brought by a third party under the False Claims Act in which the United States did not intervene, reasonable costs incurred by the contractor in connection with such a proceeding that are not otherwise unallowable by regulation or by separate agreement with the United States, may be allowed if the Contracting Officer, in consultation with his or her legal advisor, determines that there was very little likelihood that the third party would have been successful on the merits.

(d) If a proceeding referred to in paragraph (b) of this section is commenced by a State, local or foreign government, the Contracting Officer may allow the costs incurred in such proceeding, provided the Procurement Executive determines that the costs were incurred as a result of compliance with a specific term or condition of the contract, or specific written direction of the Contracting Officer.

(e) Costs incurred in connection with a proceeding described in paragraph (b) of this section, but which are not made unallowable by that paragraph, may be allowed by the Contracting Officer only to the extent that:

(1) The total costs incurred are reasonable in relation to the activities required to deal with the proceeding and the underlying cause of action;

(2) Payment of the costs incurred, as allowable and allocable contract costs, is not prohibited by any other provision(s) of this contract;

(3) The costs are not otherwise recovered from the Federal Government or a third party, either directly as a result of the proceeding or otherwise; and

(4) The amount of costs allowed does not exceed 80 percent of the total costs incurred and otherwise allowable under the contract. Such amount that may be allowed (up to the 80 percent limit) shall not exceed the percentage determined by the Contracting Officer to be appropriate, considering the complexity of procurement litigation, generally accepted principles governing the award of legal fees in civil actions involving the United States as a party, and such other factors as may be appropriate. The amount of reimbursement allowed for legal costs in connection with any proceeding described in subparagraph (c)(2) shall be the amount determined to be reasonable by the Contracting Officer but shall not exceed 80 percent of otherwise allowable costs incurred. Agreements reached under paragraph (c) of this subsection shall be subject to this limitation. If, however, an agreement explicitly states the amount of otherwise allowable incurred legal fees and limits the allowable recovery to 80 percent or less of the stated legal fees, no additional limitation need be applied.

(f) Contractor costs incurred in connection with the defense of suits brought by employees or ex-employees of the Contractor under section 2 of the Major Fraud Act of 1988, including the cost of all relief necessary to make such employee whole, where the Contractor was found liable or settled, are unallowable.

(g) Costs which may be unallowable under this clause, including directly associated costs, shall be differentiated and accounted for by the Contractor so as to be separately identifiable. During the pendency of any proceeding covered by paragraphs (b) and (f) of this section, the Contracting Officer shall generally withhold payment and not authorize the use of funds advanced under the contract for the payment of such costs. However, the Contracting Officer may, in appropriate circumstances, provide for conditional payment upon provision of adequate security, or other adequate assurance, and agreements by the Contractor to repay all unallowable costs, plus interest, if the costs are subsequently determined to be unallowable.

I-133. 970.5204-63 Collective Bargaining Agreements—Management and Operating Contracts (Aug 1993)

When negotiating collective bargaining agreements applicable to the work force under this contract, the Contractor shall use its best efforts to ensure such agreements contain provisions designed to assure continuity of services. All such agreements entered into during the contract period of performance should provide that grievances and disputes involving the interpretation or application of the agreement will be settled without resorting to strike, lockout, or other interruption of normal operations. For this purpose, each collective bargaining agreement should provide an effective grievance procedure with arbitration as its final step, unless the parties mutually agree upon some other

method of assuring continuity of operations. As part of such agreements, management and labor should agree to cooperate fully with the Federal Mediation and Conciliation Service. The Contractor shall include the substance of this clause in any subcontracts for protective services or other services performed on the DOE-owned site which will affect the continuity of operation of the facility.

I-134. 970.5227-10 Patent Rights — Management and Operating Contracts, Nonprofit Organization or Small Business Firm Contractor (DEC 2000) Alternate I (DEC 2000) (Deviation)

MO99
03/15/2004

(a) Definitions.

(1) DOE licensing regulations means the Department of Energy patent licensing regulations at 10 CFR Part 781.

(2) Exceptional circumstance subject invention means any subject invention in a technical field or related to a task determined by the Department of Energy to be subject to an exceptional circumstance under 35 U.S.C. 202(a)(ii) and in accordance with 37 CFR 401.3(e).

(3) Invention means any invention or discovery which is or may be patentable or otherwise protectable under Title 35 of the United States Code, or any novel variety of plant which is or may be protected under the Plant Variety Protection Act (7 U.S.C. 2321 et seq.).

(4) Made when used in relation to any invention means the conception or first actual reduction to practice of such invention.

(5) Nonprofit organization means a university or other institution of higher education or an organization of the type described in section 501(c)(3) of the Internal Revenue Code of 1954 (26 U.S.C. 501(c)) and exempt from taxation under section 501(a) of the Internal Revenue Code (26 U.S.C. 501(a)) or any nonprofit scientific or educational organization qualified under a state nonprofit organization statute.

(6) Patent Counsel means the Department of Energy (DOE) Patent Counsel assisting the DOE contracting activity.

(7) Practical application means to manufacture, in the case of a composition or product; to practice, in the case of a process or method; or to operate, in the case of a machine or system; and, in each case, under such conditions as to establish that the invention is being utilized and that its benefits are, to the extent permitted by law or Government regulations, available to the public on reasonable terms.

(8) Small business firm means a small business concern as defined at section 2 of Pub.L. 85 536 (15 U.S.C. 632) and implementing regulations of the Administrator of

the Small Business Administration. For the purpose of this clause, the size standards for small business concerns involved in Government procurement and subcontracting at 13 CFR 121.3 8 and 13 CFR 121.3 12, respectively, are used.

(9) Subject Invention means any invention of the contractor conceived or first actually reduced to practice in the performance of work under this contract, provided that in the case of a variety of plant, the date of determination (as defined in section 41(d) of the Plant Variety Protection Act, 7 U.S.C. 2401(d)) shall also occur during the period of contract performance.

(10) Weapons Related Subject Invention means any Subject Invention conceived or first actually reduced to practice in the course of or under work funded by or through defense programs, including Department of Defense and intelligence reimbursable work, or the Naval Nuclear Propulsion Program of the Department of Energy or the National Nuclear Security Administration.

(b) Allocation of Principal Rights.

(1) Retention of title by the Contractor. Except for exceptional circumstance subject inventions, the contractor may retain the entire right, title, and interest throughout the world to each Subject Invention subject to the provisions of this clause and 35 U.S.C. 203. With respect to any Subject Invention in which the Contractor retains title, the Federal government shall have a nonexclusive, nontransferable, irrevocable, paid up license to practice or have practiced for or on behalf of the United States the Subject Invention throughout the world.

(2) Exceptional circumstance subject inventions. Except to the extent that rights are retained by the Contractor in a determination of exceptional circumstances or granted to a contractor through a determination of greater rights in accordance with subparagraph (b)(4) of this clause, the Contractor does not have a right to retain title to any exceptional circumstance subject inventions and agrees to assign to the Government the entire right, title, and interest, throughout the world, in and to any exceptional circumstance subject inventions.

(i) Inventions within or relating to the following fields of technology are exceptional circumstance subject inventions:

(A) uranium enrichment technology;

(B) storage and disposal of civilian high level nuclear waste and spent fuel technology; and

(C) national security technologies classified or sensitive under Section 148 of the Atomic Energy Act (42 U.S.C. 2168).

(ii) Inventions made under any agreement, contract or subcontract related to the following are exceptional circumstance subject inventions:

(A) DOE Steel Initiative and Metals Initiative;

(B) U.S. Advanced Battery Consortium; and

(C) any funding agreement which is funded in part by the Electric Power Research Institute (EPRI) or the Gas Research Institute (GRI).

(iii) DOE reserves the right to unilaterally amend this contract to modify, by deletion or insertion, technical fields, tasks, or other classifications for the purpose of determining DOE exceptional circumstance subject inventions.

(3) Treaties and international agreements. Any rights acquired by the Contractor in Subject Inventions are subject to any disposition of right, title, or interest in or to Subject Inventions provided for in treaties or international agreements identified at Appendix [Insert Reference] to this contract. DOE reserves the right to unilaterally amend this contract to identify specific treaties or international agreements entered into or to be entered into by the Government after the effective date of this contract and to effectuate those license or other rights which are necessary for the Government to meet its obligations to foreign governments, their nationals and international organizations under such treaties or international agreements with respect to Subject Inventions made after the date of the amendment.

(4) Contractor request for greater rights in exceptional circumstance subject inventions. The Contractor may request rights greater than allowed by the exceptional circumstance determination in an exceptional circumstance subject invention by submitting such a request in writing to Patent Counsel at the time the exceptional circumstance subject invention is disclosed to DOE or within eight (8) months after conception or first actual reduction to practice of the exceptional circumstance subject invention, whichever occurs first, unless a longer period is authorized in writing by the Patent Counsel for good cause shown in writing by the Contractor. DOE may, in its discretion, grant or refuse to grant such a request by the Contractor.

(5) Contractor employee inventor rights. If the Contractor does not elect to retain title to a Subject Invention or does not request greater rights in an exceptional circumstance subject invention, a Contractor employee inventor, after consultation with the Contractor and with written authorization from the Contractor in accordance with 10 CFR 784.9(b)(4), may request greater rights, including title, in the Subject Invention or the exceptional circumstance invention from DOE, and DOE may, in its discretion, grant or refuse to grant such a request by the Contractor employee inventor.

(6) Government assignment of rights in Government employees' Subject Inventions. If a Government employee is a joint inventor of a Subject Invention or of an exceptional circumstance subject invention to which the Contractor has rights, the Government may assign or refuse to assign to the Contractor any rights in the Subject Invention or exceptional circumstance subject invention acquired by the Government from the Government employee, in accordance with 48 CFR 27.304 1(d). The rights assigned to the Contractor are subject to any provision of this clause that is applicable to Subject Inventions in which the Contractor retains title, including reservation by the Government of a nonexclusive, nontransferable, irrevocable, paid up license, except that the Contractor shall file its initial patent application claiming the Subject Invention or exceptional circumstance invention within one (1) year after the assignment of such rights. The Contractor shall share royalties collected for the manufacture, use or sale of the Subject Invention with the Government employee.

(7) Weapons related Subject Inventions. Except to the extent that DOE is solely satisfied that the Contractor meets certain procedural requirements and DOE grants rights to the Contractor in weapons related Subject Inventions, the Contractor does not have the right to retain title to any weapons related Subject Inventions.

(c) Subject Invention Disclosure, Election of Title and Filing of Patent Application by Contractor.

(1) Subject Invention disclosure. The contractor will disclose each Subject Invention to the Patent Counsel within two months after the inventor discloses it in writing to contractor personnel responsible for patent matters. The disclosure to the agency shall be in the form of a written report and shall identify the contract under which the invention was made and the inventor(s) and all sources of funding by B&R code for the invention. It shall be sufficiently complete in technical detail to convey a clear understanding to the extent known at the time of the disclosure, of the nature, purpose, operation, and the physical, chemical, biological or electrical characteristics of the invention. The disclosure shall also identify any publication, on sale or public use of the invention and whether a manuscript describing the invention has been submitted for publication and, if so, whether it has been accepted for publication at the time of disclosure. The disclosure shall include a written statement as to whether the invention falls within an exceptional circumstance field. DOE will make a determination and advise the Contractor within 30 days of receipt of an invention disclosure as to whether the invention is an exceptional circumstance subject invention. In addition, after disclosure to the Patent Counsel, the Contractor will promptly notify the agency of the acceptance of any manuscript describing the invention for publication or of any on sale or public use planned by the contractor. The Contractor shall obtain approval from Patent Counsel prior to any release or publication of information concerning any nonelectable Subject Invention such as an exceptional circumstance subject invention or any Subject Invention related to a treaty or international agreement.

(2) Election by the Contractor. Except as provided in paragraph (b)(2) of this clause, the Contractor will elect in writing whether or not to retain title to any such invention by notifying the Federal agency within two years of disclosure to the Federal agency. However, in any case where publication, on sale or public use has initiated the one year statutory period wherein valid patent protection can still be obtained in the United States, the period for election of title may be shortened by the agency to a date that is no more than 60 days prior to the end of the statutory period.

(3) Filing of patent applications by the Contractor. The Contractor will file its initial patent application on a Subject Invention to which it elects to retain title within one year after election of title or, if earlier, or prior to the end of any 1 year statutory period wherein valid patent protection can be obtained in the United States after a publication, on sale, or public use. The Contractor will file patent applications in additional countries or international patent offices within either ten months of the corresponding initial patent application or six months from the date permission is granted by the Commissioner of Patents and Trademarks to file foreign patent applications where such filing has been prohibited by a Secrecy Order.

(4) Contractor's request for an extension of time. Requests for an extension of the time for disclosure, election, and filing under subparagraphs (c)(1), (2) and (3) may, at the discretion of Patent Counsel, be granted.

(5) (Deviation) Publication Approval. During the course of the work under this contract, the Contractor or its employees may desire to release or publish information regarding scientific or technical developments conceived or first actually reduced to practice in the course of or under this contract. In order that public disclosure of such information will not adversely affect the patent interest of DOE or the Contractor, approval for release or publication shall be secured from the Contractor personnel designated to review such information prior to any such release or publication. Where DOE's approval of publication is requested, DOE's response to such requests for approval shall normally be provided within 90 days except in circumstances in which a domestic patent application must be filed in order to protect foreign rights. In the case involving foreign patent rights, DOE shall be granted an additional 180 days with which to respond to the request for approval, unless extended by mutual agreement.

(d) Conditions When the Government May Obtain Title.

The Contractor will convey to the DOE, upon written request, title to any Subject Invention

(1) If the Contractor fails to disclose or elect title to the Subject Invention within the times specified in paragraph (c) of this clause, or elects not to retain title;

provided, that DOE may only request title within sixty (60) days after learning of the failure of the Contractor to disclose or to elect within the specified times.

(2) In those countries in which the Contractor fails to file a patent application within the times specified in subparagraph (c) of this clause; provided, however, that if the Contractor has filed a patent application in a country after the times specified in subparagraph (c) above, but prior to its receipt of the written request of the DOE, the Contractor shall continue to retain title in that country.

(3) In any country in which the Contractor decides not to continue the prosecution of any application for, to pay the maintenance fees on, or defend in a reexamination or opposition proceeding on, a patent on a Subject Invention.

(4) If the Contractor requests that DOE acquire title or rights from the Contractor in a Subject Invention to which the Contractor had initially retained title or rights, or in an exceptional circumstance subject invention to which the Contractor was granted greater rights, DOE may acquire such title or rights from the Contractor, or DOE may decide against acquiring such title or rights from the Contractor, at DOE's sole discretion.

(e) Minimum Rights of the Contractor and Protection of the Contractor's Right to File.

(1) (Deviation) Request for a Contractor license. The Contractor may request the right to reserve a revocable, nonexclusive, royalty free license throughout the world in each Subject Invention to which the Government obtains title, except if the Contractor fails to disclose the invention within the times specified in paragraph (c) of this clause. DOE may grant or refuse to grant such a request by the Contractor. When DOE approves such reservation, the Contractor's license will normally extend to its domestic subsidiaries, affiliates, and members, if any, within the corporate structure of which the Contractor is a party and includes 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 is transferable only with the approval of DOE, except when transferred to the successor of that part of the contractor's business to which the invention pertains.

(2) Revocation or modification of a Contractor license. The Contractor's domestic license may be revoked or modified by DOE to the extent necessary to achieve expeditious practical application of the Subject Invention pursuant to an application for an exclusive license submitted in accordance with applicable provisions at 37 CFR Part 404 and DOE licensing regulations at 10 CFR Part 781. This license will not be revoked in the field of use or the geographical areas in which the Contractor has achieved practical application and continues to make the benefits of the Subject Invention reasonably accessible to the public. The license in any foreign country may be revoked or modified at the discretion of DOE to the extent the Contractor, its licensees, or the domestic subsidiaries or

affiliates have failed to achieve practical application of the Subject Invention in that foreign country.

(3) Notice of revocation of modification of a Contractor license. Before revocation or modification of the license, DOE will furnish the Contractor a written notice of its intention to revoke or modify the license, and the Contractor will be allowed thirty days (or such other time as may be authorized by DOE for good cause shown by the Contractor) after the notice to show cause why the license should not be revoked or modified. The Contractor has the right to appeal, in accordance with applicable regulations in 37 CFR part 404 and DOE licensing regulations at 10 CFR part 781 concerning the licensing of Government owned inventions, any decision concerning the revocation or modification of the license.

(f) Contractor Action to Protect the Government's Interest.

(1) Execution of delivery of title or license instruments. The Contractor agrees to execute or to have executed, and promptly deliver to the Patent Counsel all instruments necessary to accomplish the following actions:

(i) establish or confirm the rights the Government has throughout the world in those Subject Inventions to which the Contractor elects to retain title, and

(ii) convey title to DOE when requested under subparagraphs (b) or paragraph (d) of this clause and to enable the Government to obtain patent protection throughout the world in that Subject Invention.

(2) Contractor employee agreements. The Contractor agrees to require, by written agreement, its employees, other than clerical and nontechnical employees, to disclose promptly in writing to Contractor personnel identified as responsible for the administration of patent matters and in a format suggested by the Contractor, each Subject Invention made under this contract in order that the Contractor can comply with the disclosure provisions of paragraph (c) of this clause, and to execute all papers necessary to file patent applications on Subject Inventions and to establish the Government's rights in the Subject Inventions. This disclosure format should require, as a minimum, the information required by subparagraph (c)(1) of this clause. The Contractor shall instruct such employees, through employee agreements or other suitable educational programs, on the importance of reporting inventions in sufficient time to permit the filing of patent applications prior to U.S. or foreign statutory bars.

(3) Notification of discontinuation of patent protection. The contractor will notify the Patent Counsel of any decision not to continue the prosecution of a patent application, pay maintenance fees, or defend in a reexamination or opposition proceeding on a patent, in any country, not less than thirty days before the expiration of the response period required by the relevant patent office.

(4) Notification of Government rights. The contractor agrees to include, within the specification of any United States patent applications and any patent issuing thereon covering a Subject Invention, the following statement, "This invention was made with government support under (identify the contract) awarded by (identify the Federal agency). The government has certain rights in the invention."

(5) Invention Identification Procedures. The Contractor shall establish and maintain active and effective procedures to ensure that Subject Inventions are promptly identified and timely disclosed and shall submit a written description of such procedures to the Contracting Officer so that the Contracting Officer may evaluate and determine their effectiveness.

(6) Invention Filing Documentation. If the Contractor files a domestic or foreign patent application claiming a Subject Invention, the Contractor shall promptly submit to Patent Counsel, upon request, the following information and documents:

(i) the filing date, serial number, title, and a copy of the patent application (including an English language version if filed in a language other than English);

(ii) an executed and approved instrument fully confirmatory of all Government rights in the Subject Invention; and

(iii) the patent number, issue date, and a copy of any issued patent claiming the Subject Invention.

(7) Duplication and disclosure of documents. The Government may duplicate and disclose Subject Invention disclosures and all other reports and papers furnished or required to be furnished pursuant to this clause; provided, however, that any such duplication or disclosure by the Government is subject to the confidentiality provision at 35 U.S.C. 205 and 37 CFR Part 40.

(g) Subcontracts.

(1) Subcontractor subject inventions. The Contractor shall not obtain rights in the subcontractor's subject inventions as part of the consideration for awarding a subcontract.

(2) Inclusion of patent rights clause nonprofit organization or small business firm subcontractors. Unless otherwise authorized or directed by the Contracting Officer, the Contractor shall include the patent rights clause at 48 CFR 952.227 11, suitably modified to identify the parties, in all subcontracts, at any tier, for experimental, developmental, demonstration or research work to be performed by a small business firm or domestic nonprofit organization, except subcontracts

which are subject to exceptional circumstances in accordance with 35 U.S.C. 202 and subparagraph (b)(2) of this clause. The subcontractor retains all rights provided for the contractor in the patent rights clause at 48 CFR 952.227 11.

(3) Inclusion of patent rights clause subcontractors other than non profit organizations and small business firms. Except for the subcontracts described in subparagraph (g)(2) of this clause, the Contractor shall include the patent rights clause at 48 CFR 952.227 13, suitably modified to identify the parties, in any contract for experimental, developmental, demonstration or research work. For subcontracts subject to exceptional circumstances, the contractor must consult with DOE patent counsel with respect to the appropriate patent clause.

(4) DOE and subcontractor contract. With respect to subcontracts at any tier, DOE, the subcontractor, and the Contractor agree that the mutual obligations of the parties created by this clause constitute a contract between the subcontractor and DOE with respect to the matters covered by the clause; provided, however, that nothing in this paragraph is intended to confer any jurisdiction under the Contract Disputes Act in connection with proceedings under paragraph (j) of this clause.

(5) Subcontractor refusal to accept terms of patent clause. If a prospective subcontractor refuses to accept the terms of a patent rights clause, the Contractor shall promptly submit a written notice to the Contracting Officer stating the subcontractor's reasons for such a refusal, including any relevant information for expediting disposition of the matter, and the Contractor shall not proceed with the subcontract without the written authorization of the Contracting Officer.

(6) Notification of award of subcontract. Upon the award of any subcontract at any tier containing a patent rights clause, the Contractor shall promptly notify the Contracting Officer in writing and identify the subcontractor, the applicable patent rights clause, the work to be performed under the subcontract, and the dates of award and estimated completion. Upon request of the Contracting Officer, the Contractor shall furnish a copy of a subcontract.

(7) Identification of subcontractor subject inventions. If the Contractor in the performance of this contract becomes aware of a subject invention made under a subcontract, the Contractor shall promptly notify Patent Counsel and identify the subject invention.

(h) Reporting on Utilization of Subject Inventions. The Contractor agrees to submit to DOE on request, periodic reports, no more frequently than annually, on the utilization of a Subject Invention or on efforts at obtaining such utilization that are being made by the Contractor or its licensees or assignees. Such reports shall include information regarding the status of development, date of first commercial sale or use, gross royalties received by the Contractor, and such other data and information as DOE may reasonably specify. The Contractor also agrees to provide additional reports as may be requested by DOE in connection with any march in proceeding

undertaken by DOE in accordance with paragraph (j) of this clause. As required by 35 U.S.C. 202(c)(5), DOE agrees it will not disclose such information to persons outside the Government without permission of the Contractor.

(i) Preference for United States Industry. Notwithstanding any other provision of this clause, the Contractor agrees that neither it nor any assignee will grant to any person the exclusive right to use or sell any Subject Invention in the United States unless such person agrees that any product embodying the Subject Invention or produced through the use of the Subject Invention will be manufactured substantially in the United States. However, in individual cases, the requirement for such an agreement may be waived by DOE upon a showing by the Contractor or its assignee that reasonable but unsuccessful efforts have been made to grant licenses on similar terms to potential licensees that would be likely to manufacture substantially in the United States or that under the circumstances domestic manufacture is not commercially feasible.

(j) March in Rights. The Contractor agrees that, with respect to any Subject Invention in which it has acquired title, DOE has the right in accordance with the procedures in 37 CFR 401.6 and any DOE supplemental regulations to require the Contractor, an assignee or exclusive licensee of a Subject Invention to grant a nonexclusive, partially exclusive, or exclusive license in any field of use to a responsible applicant or applicants, upon terms that are reasonable under the circumstances, and, if the Contractor, assignee or exclusive licensee refuses such a request, DOE has the right to grant such a license itself if DOE determines that

(1) Such action is necessary because the Contractor or assignee has not taken, or is not expected to take within a reasonable time, effective steps to achieve practical application of the Subject Invention in such field of use;

(2) Such action is necessary to alleviate health or safety needs which are not reasonably satisfied by the Contractor, assignee, or their licensees;

(3) Such action is necessary to meet requirements for public use specified by Federal regulations and such requirements are not reasonably satisfied by the Contractor, assignee, or licensees; or

(4) Such action is necessary because the agreement required by paragraph (i) of this clause has not been obtained or waived, or because a licensee of the exclusive right to use or sell any Subject Invention in the United States is in breach of such agreement.

(k) Special Provisions for Contracts With Nonprofit Organizations. If the Contractor is a nonprofit organization, it agrees that

(1) DOE approval of assignment of rights. Rights to a Subject Invention in the United States may not be assigned by the Contractor without the approval of

DOE, except where such assignment is made to an organization which has as one of its primary functions the management of inventions; provided, that such assignee will be subject to the same provisions of this clause as the Contractor.

(2) Small business firm licensees. It will make efforts that are reasonable under the circumstances to attract licensees of Subject Inventions that are small business firms, and that it will give a preference to a small business firm when licensing a Subject Invention if the Contractor determines that the small business firm has a plan or proposal for marketing the invention which, if executed, is equally as likely to bring the invention to practical application as any plans or proposals from applicants that are not small business firms; provided, that the Contractor is also satisfied that the small business firm has the capability and resources to carry out its plan or proposal. The decision whether to give a preference in any specific case will be at the discretion of the Contractor. However, the Contractor agrees that the Secretary of Commerce may review the Contractor's licensing program and decisions regarding small business firm applicants, and the Contractor will negotiate changes to its licensing policies, procedures, or practices with the Secretary of Commerce when that Secretary's review discloses that the Contractor could take reasonable steps to more effectively implement the requirements of this subparagraph (k)(2).

(3) Contractor licensing of Subject Inventions. To the extent that it provides the most effective technology transfer, licensing of Subject Inventions shall be administered by Contractor employees on location at the facility.

(l) Communications. The Contractor shall direct any notification, disclosure or request provided for in this clause to the Patent Counsel assisting the DOE contracting activity.

(m) Reports.

(1) Interim reports. Upon DOE's request, the Contractor shall submit to DOE, no more frequently than annually, a list of Subject Inventions disclosed to DOE during a specified period, or a statement that no Subject Inventions were made during the specified period; and a list of subcontracts containing a patent clause and awarded by the Contractor during a specified period, or a statement that no such subcontracts were awarded during the specified period.

(2) Final reports. Upon DOE's request, the Contractor shall submit to DOE, prior to closeout of the contract, a list of all Subject Inventions disclosed during the performance period of the contract, or a statement that no Subject Inventions were made during the contract performance period; and a list of all subcontracts containing a patent clause and awarded by the Contractor during the contract performance period, or a statement that no such subcontracts were awarded during the contract performance period.

(n) Examination of Records Relating to Subject Inventions.

(1) Contractor compliance. Until the expiration of three (3) years after final payment under this contract, the Contracting Officer or any authorized representative may examine any books (including laboratory notebooks), records, documents, and other supporting data of the Contractor, which the Contracting Officer or authorized representative deems reasonably pertinent to the discovery or identification of Subject Inventions, including exceptional circumstance subject inventions, or to determine Contractor compliance with any requirement of this clause.

(2) Unreported inventions. If the Contracting Officer is aware of an invention that is not disclosed by the Contractor to DOE, and the Contracting Officer believes the unreported invention may be a Subject Invention, including exceptional circumstance subject inventions, DOE may require the Contractor to submit to DOE a disclosure of the invention for a determination of ownership rights.

(3) Confidentiality. Any examination of records under this paragraph is subject to appropriate conditions to protect the confidentiality of the information involved.

(4) Power of inspection. With respect to a Subject Invention for which the Contractor has responsibility for patent prosecution, the Contractor shall furnish the Government, upon request by DOE, an irrevocable power to inspect and make copies of a prosecution file for any patent application claiming the Subject Invention.

(o) Facilities License. In addition to the rights of the parties with respect to inventions or discoveries conceived or first actually reduced to practice in the course of or under this contract, the Contractor agrees to and does hereby grant to the Government an irrevocable, nonexclusive, paid up license in and to any inventions or discoveries regardless of when conceived or actually reduced to practice or acquired by the Contractor at any time through completion of this contract and which are incorporated or embodied in the construction of the facility or which are utilized in the operation of the facility or which cover articles, materials, or product manufactured at the facility (1) to practice or have practiced by or for the Government at the facility, and (2) to transfer such license with the transfer of that facility. Notwithstanding the acceptance or exercise by the Government of these rights, the Government may contest at any time the enforceability, validity or scope of, or title to, any rights or patents herein licensed.

(p) Atomic Energy.

(1) Pecuniary awards. No claim for pecuniary award of compensation under the provisions of the Atomic Energy Act of 1954, as amended, may be asserted with respect to any invention or discovery made or conceived in the course of or under this contract.

(2) Patent agreements. Except as otherwise authorized in writing by the Contracting Officer, the Contractor shall obtain patent agreements to effectuate the provisions of subparagraph (p)(1) of this clause from all persons who perform any part of the work under this contract, except nontechnical personnel, such as clerical employees and manual laborers.

(q) Classified Inventions.

(1) Approval for filing a foreign patent application. The Contractor shall not file or cause to be filed an application or registration for a patent disclosing a Subject Invention related to classified subject matter in any country other than the United States without first obtaining the written approval of the Contracting Officer.

(2) Transmission of classified subject matter. If in accordance with this clause the Contractor files a patent application in the United States disclosing a Subject Invention that is classified for reasons of security, the Contractor shall observe all applicable security regulations covering the transmission of classified subject matter. If the Contractor transmits a patent application disclosing a classified Subject Invention to the United States Patent and Trademark Office (USPTO), the Contractor shall submit a separate letter to the USPTO identifying the contract or contracts by agency and agreement number that require security classification markings to be placed on the patent application.

(3) Inclusion of clause in subcontracts. The Contractor agrees to include the substance of this clause in subcontracts at any tier that cover or are likely to cover subject matter classified for reasons of security.

(r) Patent Functions. Upon the written request of the Contracting Officer or Patent Counsel, the Contractor agrees to make reasonable efforts to support DOE in accomplishing patent related functions for work arising out of the contract, including, but not limited to, the prosecution of patent applications, and the determination of questions of novelty, patentability, and inventorship.

(s) Educational Awards Subject to 35 U.S.C. 212. The Contractor shall notify the Contracting Officer prior to the placement of any person subject to 35 U.S.C. 212 in an area of technology or task (1) related to exceptional circumstance technology or (2) which is subject to treaties or international agreements as set forth in paragraph (b)(3) of this clause or agreements other than funding agreements. The Contracting Officer may disapprove of any such placement.

(t) Annual Appraisal by Patent Counsel. Patent Counsel may conduct an annual appraisal to evaluate the Contractor's effectiveness in identifying and protecting Subject Inventions in accordance with DOE policy.

I-135. 970.5204-72 Patent Rights-Profit Making Management and Operating Contractors (Feb 1995) (Modified)

(a) *Definitions.*

"Invention," as used in this clause, means any invention or discovery which is or may be patentable or otherwise protectable under title 35 of the United States Code or any novel variety of plant that is or may be protectable under the Plant Variety Protection Act (7 U.S.C. 2321, *et seq*.).

"Practical application," as used in this clause, means to manufacture, in the case of a composition or product; to practice, in the case of a process or method; or to operate, in the case of a machine or system; and, in each case, under such conditions as to establish that the invention is being utilized and that its benefits are, to the extent permitted by law or Government regulations, available to the public on reasonable terms.

"Subject invention," as used in this clause, means any invention of the Contractor conceived or first actually reduced to practice in the course of or under this contract.
"Patent Counsel," as used in this clause, means the Department of Energy Patent Counsel assisting the procuring activity.

"DOE patent waiver regulations," as used in this clause, means the Department of Energy patent waiver regulations at 41 CFR 9-9.109-6 or successor regulations. See 10 CFR part 784.

"Agency licensing regulations" and "applicable agency licensing regulations," as used in this clause, mean the Department of Energy patent licensing regulations at 10 CFR Part 781.

(b) *Allocations 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 subparagraph (b)(2) and paragraph (d) of this clause.

(2) Greater rights determinations.

(i) The contractor, or an employee-inventor after consultation with the Contractor, may request greater rights than the nonexclusive license and the foreign patent rights provided in paragraph (d) of this clause on identified inventions in accordance with the DOE patent waiver regulations. A request for a determination of whether the Contractor or the employee-inventor is entitled to acquire such greater rights

must be submitted to the Patent Counsel with a copy to the Contracting Officer at the time of the first disclosure of the invention pursuant to subparagraph (e)(2) of this clause, or not later than 8 months thereafter, unless a longer period is authorized in writing by the Contracting Officer for good cause shown in writing by the Contractor. Each determination of greater rights under this contract shall be subject to paragraph (c) of this clause, unless otherwise provided in the greater rights determination, and to the reservations and conditions deemed to be appropriate by the Secretary of Energy or designee.

(ii) Within two (2) months after the filing of a patent application, the Contractor shall provide the filing date, serial number and title, a copy of the patent application (including an English-language version if filed in a language other than English), and, promptly upon issuance of a patent, provide the patent number and issue date for any subject invention in any country for which the Contractor has been granted title or the right to file and prosecute on behalf of the United States by the Department of Energy.

(iii) Not less than thirty (30) days before the expiration of the response period for any action required by the Patent and Trademark Office, notify the Patent Counsel of any decision not to continue prosecution of the application.

(iv) Upon request, the Contractor shall furnish the Government an irrevocable power to inspect and make copies of the patent application file.

(c) *Minimum rights acquired by the Government.*

(1) With respect to each subject invention to which the Department of Energy grants the Contractor principal or exclusive rights, the Contractor agrees as follows:

(i) The Contractor hereby grants to the Government a nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced each subject invention throughout the world by or on behalf of the Government of the United States (including any Government agency).

(ii) The Contractor agrees that with respect to any subject invention in which DOE has granted it title, DOE has the right in accordance with the procedures in the DOE patent waiver regulations (10 CFR part 784) to require the Contractor, an assignee, or exclusive licensee of a subject invention to grant a nonexclusive, partially exclusive, or

exclusive license in any field of use to a responsible applicant or applicants, upon terms that are reasonable under the circumstances, and if the Contractor, assignee, or exclusive licensee refuses such a request, DOE has the right to grant such a license itself if it determines that—(A) Such action is necessary because the Contractor or assignee has not taken, or is not expected to take within a reasonable time, effective steps to achieve practical application of the subject invention in such field of use; (B) Such action is necessary to alleviate health or safety needs which are not reasonably satisfied by the Contractor, assignee, or their licensees; (C) Such action is necessary to meet requirements for public use specified by Federal regulations and such requirements are not reasonably satisfied by the Contractor, assignee, or licensees; or (D) Such action is necessary because the agreement required by paragraph (i) of this clause has neither been obtained nor waived or because a licensee of the exclusive right to use or sell any subject invention in the United States is in breach of such agreement.

(iii) The Contractor agrees to submit on request periodic reports no more frequently than annually on the utilization of a subject invention or on efforts at obtaining such utilization of a subject invention or on efforts at obtaining such utilization that are being made by the Contractor or its licensees or assignees. Such reports shall include information regarding the status of development, date of first commercial sale or use, gross royalties received by the Contractor, and such other data and information as DOE may reasonably specify. The Contractor also agrees to provide additional reports as may be requested by DOE in connection with any march-in proceedings undertaken by that agency in accordance with subparagraph (c)(1)(ii) of this clause. To the extent data or information supplied under this section is considered by the Contractor, its licensee, or assignee to be privileged and confidential and is so marked, the Department of Energy agrees that, to the extent permitted by law, it will not disclose such information to persons outside the Government.

(iv) The Contractor agrees, when licensing a subject invention, to arrange to avoid royalty charges on acquisitions involving Government funds, including funds derived through a Military Assistance Program of the Government or otherwise derived through the Government, to refund any amounts received as royalty charges on a subject invention in acquisitions for, or on behalf of, the Government, and to provide for such refund in any instrument transferring rights in the invention to any party.

(v) The Contractor agrees to provide for the Government’s paid-up license pursuant to subparagraph (c)(1)(i) of this clause in any

instrument transferring rights in a subject invention and to provide for the granting of licenses as required by subparagraph (c)(1)(ii) of this clause, and for the reporting of utilization information as required by subparagraph (c)(1)(iii) of this clause, whenever the instrument transfers principal or exclusive rights in a subject invention.

(2) 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 is hereby granted 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 obtains title, unless the Contractor fails to disclose the subject invention within the times specified in subparagraph (e)(2) of this clause. The Contractor's license extends to its domestic subsidiaries and affiliates, if any, within the corporate structure of which the Contractor is a part and includes 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 is transferable only with the approval of DOE except when transferred to the successor of that part of the Contractor's business to which the invention pertains.

(2) The Contractor's domestic license may be revoked or modified by DOE to the extent necessary to achieve expeditious practical application of the subject invention pursuant to an application for an exclusive license submitted in accordance with applicable provisions in 37 CFR Part 404 and agency licensing regulations. This license will not be revoked in that field of use or the geographical areas in which the Contractor has achieved practical applications and continues to make the benefits of the invention reasonably accessible to the public. The license in any foreign country may be revoked or modified at the discretion of DOE to the extent the Contractor, its licensees, or its domestic subsidiaries or affiliates have failed to achieve practical application in that foreign country.

(3) Before revocation or modification of the license, DOE will furnish the Contractor a written notice of its intention to revoke or modify the license, and the Contractor will be allowed 30 days (or such other time as may be authorized by DOE for good cause shown by the Contractor) after the notice to show cause why the license should not be revoked or modified. The Contractor has the right to appeal, in accordance with applicable agency licensing regulations and 37 CFR Part 404 concerning the licensing of Government-owned inventions, any decision concerning the revocation or modification of its license.

(4) The Contractor may request the right to acquire patent rights to a subject invention in any foreign country where the Government has elected not to secure such rights, subject to the conditions in subparagraphs (d)(4)(i) through (d)(4)(vii) of this clause. Such request must be made in writing to the Patent Counsel as part of the disclosure required by subparagraph (e)(2) of this clause, with a copy to the DOE Contracting Officer. DOE approval, if given, will be based on a determination that this would best serve the national interest.

(i) The recipient of such rights, when specifically requested by DOE, and three years after issuance of a foreign patent disclosing the subject invention, shall furnish DOE a report stating:

(A) The commercial use that is being made, or is intended to be made, of said invention, and

(B) The steps taken to bring the invention to the point of practical application or to make the invention available for licensing.

(ii) The Government shall retain at least an irrevocable, nonexclusive, paid-up license to make, use, and sell the invention throughout the world by or on behalf of the Government (including any Government agency) and States and domestic municipal governments, unless the Secretary of Energy or designee determines that it would not be in the public interest to acquire the license for the States and domestic municipal governments.

(iii) If noted elsewhere in this contract as a condition of the grant of an advance waiver of the Government's title to inventions under this contract, or, if no advance waiver was granted but a waiver of the Government's title to an identified invention is granted pursuant to subparagraph (b)(2) of this clause upon a determination by the Secretary of Energy that it is in the Government's best interest, this license shall include the right of the Government to sublicense foreign governments pursuant to any existing or future treaty or agreement with such foreign governments.

(iv) Subject to the rights granted in subparagraphs (d)(1), (2), and (3) of this clause, the Secretary of Energy or designee shall have the right to terminate the foreign patent rights granted in this subparagraph (d)(4) in whole or in part unless the recipient of such rights demonstrates to the satisfaction of the Secretary of Energy or designee that effective steps necessary to accomplish substantial utilization of the invention have been taken or within a reasonable time will be taken.

(v) Subject to the rights granted in subparagraphs (d)(1), (2), and (3) of this clause, the Secretary of Energy or designee shall have the right, commencing four years after foreign patent rights are accorded under this subparagraph (d)(4), to require the granting of a nonexclusive or partially exclusive license to a responsible applicant or applicants, upon terms reasonable under the circumstances, and in appropriate circumstances to terminate said foreign patent rights in whole or in part, following a hearing upon notice thereof to the public, upon a petition by an interested person justifying such hearing:

(A) If the Secretary of Energy or designee determines, upon review of such material as he deems relevant, and after the recipient of such rights or other interested person has had the opportunity to provide such relevant and material information as the Secretary or designee may require, that such foreign patent rights have tended substantially to lessen competition or to result in undue market concentration in any section of the United States in any line of commerce to which the technology relates; or

(B) Unless the recipient of such rights demonstrates to the satisfaction of the Secretary of Energy or designee at such hearing that the recipient has taken effective steps, or within a reasonable time thereafter is expected to take such steps, necessary to accomplish substantial utilization of the invention.

(vi) If the contractor is to file a foreign patent application on a subject invention, the Government agrees, upon written request, to use its best efforts to withhold publication of such invention disclosures for such period of time as specified by Patent Counsel, but in no event shall the Government or its employees be liable for any publication thereof.

(vii) Subject to the license specified in subparagraphs (d)(1), (2), and (3) of this clause, the contractor or inventor agrees to convey to the Government, upon request, the entire right, title, and interest in any foreign country in which the contractor or inventor fails to have a patent application filed in a timely manner or decides not to continue prosecution or to pay any maintenance fees covering the invention. To avoid forfeiture of the patent application or patent, the contractor or inventor shall, not less than 60 days before the expiration period for any action required by any patent office, notify the Patent Counsel of such failure or decision, and deliver to the Patent Counsel, the executed instruments necessary for the conveyance specified in this paragraph.

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

(1) The Contractor shall establish and maintain active and effective procedures to assure that subject inventions are promptly identified and disclosed o Contractor personnel responsible for patent matters within 6 months of conception and/or first actual reduction to practice, whichever occurs first in the performance of work under this contract. These procedures shall include the maintenance of laboratory notebooks or equivalent records and other records as are reasonably necessary to document the conception and/or the first actual reduction to practice of subject inventions, and records that show that the procedures for identifying and disclosing the inventions are followed. Upon request, the Contractor shall furnish the Contracting Officer a description of such procedures for evaluation and for determination as to their effectiveness.

(2) The Contractor shall disclose each subject invention to the DOE Patent Counsel with a copy to the Contracting Officer within 2 months after the inventor discloses it in writing to Contractor personnel responsible for patent matters or, if earlier, within 6 months after the Contractor becomes aware that a subject invention has been made, but in any event before any on sale, public use, or publication of such invention known to the Contractor. The disclosure to DOE shall be in the form of a written report and shall identify the contract under which the invention was made and the inventor(s). It shall be sufficiently complete in technical detail to convey a clear understanding, to the extent known at the time of the disclosure, of the nature, purpose, operation, and physical, chemical, biological, or electrical characteristics of the invention. The disclosure shall also identify any publication, on sale, or public use of the invention and whether a manuscript describing the invention has been submitted for publication and, if so, whether it has been accepted for publication at the time of disclosure. In addition, after disclosure to DOE, the Contractor shall promptly notify Patent Counsel of the acceptance of any manuscript describing the invention for publication or of any on sale or public use planned by the Contractor. The report should also include any request for a greater rights determination in accordance with subparagraph (b)(2) of this clause. When an invention is disclosed to DOE under this paragraph, it shall be deemed to have been made in the manner specified in Sections (a)(1) and (a)(2) of 42 U.S.C. 5908, unless the Contractor contends in writing at the time the invention is disclosed that is was not so made.

(3) The Contractor shall furnish the Contracting Officer the following:

(i) Interim reports every 12 months (or such longer period as may be specified by the Contracting Officer) from the date of the contract, listing all subject inventions during that period, and including a statement that all subject inventions have been disclosed (or that there

are not such inventions), and that such disclosure has been made in accordance with the procedures required by paragraph (e)(1) of this clause.

(ii) A final report, within 3 months after completion of the contracted work listing all subject inventions or containing a statement that there were no such inventions, and listing all subcontracts at any tier containing a patent rights clause or containing a statement that there were no such subcontracts.

(4) The Contractor agrees to require, by written agreement, its employees, other than clerical and nontechnical employees, to disclose promptly in writing to personnel identified as responsible for the administration of patent matters and in a format suggested by the Contractor each subject invention made under contract in order that the Contractor can comply with the disclosure provisions of paragraph (c) of this clause, and to execute all papers necessary to file patent applications on subject inventions and to establish the Government's rights in the subject inventions. This disclosure format should require, as a minimum, the information required by subparagraph (e)(2) of this clause. (5) The Contractor agrees, subject to FAR 27.302(j), that the Government may duplicate and disclose subject invention disclosures and all other reports and papers furnished or required to be furnished pursuant to this clause.

(f) *Examination of records relating to inventions.*

(1) The Contracting Officer or any authorized representative shall, until 3 years after final payment under this contract, have the right to examine any 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 —

(i) Any such inventions are subject inventions;

(ii) The Contractor has established and maintains the procedures required by subparagraphs (e)(1) and (4) of this clause;

(iii) The Contractor and its inventors have complied with the procedures. (2) If the Contracting Officer learns of an unreported Contractor invention which the Contracting Officer believes may be a subject invention, the Contractor may be required to disclose the invention to DOE for a determination of ownership rights.

(3) Any examination of records under this paragraph will be subject to appropriate conditions to protect the confidentiality of the information involved.

(g) Withholding of payment (NOTE: This paragraph does not apply to subcontracts).

(1) Any time before final payment under this contract, the Contracting Officer may, in the Government's interest, 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 the Contracting Officer's opinion, the Contractor fails to —

(i) Convey to the Government, using a DOE-approved form, the title and/or rights of the Government in each subject invention as required by this clause.

(ii) Establish, maintain, and follow effective procedures for identifying and disclosing subject inventions pursuant to subparagraph (e)(1) of this clause;

(iii) Disclose any subject invention pursuant to subparagraph (e)(2) of this clause;

(iv) Deliver acceptable interim reports pursuant to subparagraph (e)(3)(i) of this clause; or

(v) Provide the information regarding subcontracts pursuant to subparagraph (h)(4) of this clause.

(2) Such 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.

(3) Final payment under this contract shall not be made before the Contractor delivers to the Contracting Officer all disclosures of subject inventions required by subparagraph (e)(2) of this clause, and acceptable final report pursuant to subparagraph (e)(3)(ii) of this clause, and the Patent Counsel has issued a patent clearance certification to the Contracting Officer.

(4) The Contracting Officer may decrease or increase the sums withheld up to the maximum authorized above. 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 the subsequent payment thereof shall not be construed as a waiver of any Government rights.

(h) *Subcontracts.*

(1) The contractor shall include the clause at 48 CFR 952.227-11 (suitably modified to identify the parties) in all subcontracts, regardless of tier, for experimental, developmental, demonstration, or research work to be performed by a small business firm or domestic nonprofit organization, except where the work of the subcontract is subject to an Exceptional Circumstances Determination by DOE. In all other subcontracts, regardless of tier, for experimental, developmental, demonstration, or research work, the contractor shall include this clause (suitably modified to identify the parties). The contractor shall not, as part of the consideration for awarding the subcontract, obtain rights in the subcontractor's subject inventions.

(2) In the event of a refusal by a prospective subcontractor to accept such a clause the Contractor —

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

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

(3) In the case of subcontracts at any tier, DOE, the subcontractor, and Contractor agree that the mutual obligations of the parties created by this clause constitute a contract between the subcontractor and DOE with respect to those matters covered by this clause.

(4) The Contractor shall promptly notify the Contracting Officer in writing upon the award of any subcontract at any tier containing a patent rights clause by identifying the subcontractor, the applicable patent rights clause, the work to be performed under the subcontract, and the dates of award and estimated completion. Upon request of the Contracting Officer, the Contractor shall furnish a copy of such subcontract, and, no more frequently than annually, a listing of the subcontracts that have been awarded.

(5) The contractor shall identify all subject inventions of the subcontractor of which it acquires knowledge in the performance of this contract and shall notify the Patent Counsel, with a copy to the contracting officer, promptly upon identification of the inventions.

(i) Preference United States industry. Unless provided otherwise, no Contractor that receives title to any subject invention and no assignee of any such Contractor shall grant to any person the exclusive right to use or sell any subject invention in the United States unless such person agrees that any products embodying the subject invention will be manufactured substantially in the United States. However, in individual cases, the requirement may be waived by the Government

upon a showing by the Contractor or assignee that reasonable but unsuccessful efforts have been made to grant licenses on similar terms to potential licensees that would be likely to manufacture substantially in the United States or that under the circumstances domestic manufacture is not commercially feasible.

(j) *Atomic energy*.

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

(2) Except as otherwise authorized in writing by the Contracting Officer, the Contractor will obtain patent agreements to effectuate the provisions of subparagraph (e)(1) of this clause from all persons who perform any part of the work under this contract, except nontechnical personnel, such as clerical employees and manual laborers.

(k) *Background Patents.*

(1) *Background Patent* means a domestic patent covering an invention or discovery which is not a subject invention and which is owned or controlled by the Contractor at any time through the completion of this contract:

(i) Which the contractor, but not the Government, has the right to license to others without obligation to pay royalties thereon, and

(ii) Infringement of which cannot reasonably be avoided upon the practice of any specific process, method, machine, manufacture, or composition of matter (including relatively minor modifications thereof) which is a subject of the research, development, or demonstration work performed under this contract.

(2) The Contractor agrees to and does hereby grant to the Government a royalty-free, nonexclusive license under any background patent for purposes of practicing a subject of this contract by or for the Government in research, development, and demonstration work only.

(3) The Contractor also agrees that upon written application by DOE, it will grant to responsible parties, for purposes of practicing a subject of this contract, nonexclusive licenses under any background patent on terms that are reasonable under the circumstances. If, however, the Contractor believes that exclusive rights are necessary to achieve expeditious commercial development or utilization, then a request may be made to DOE for DOE approval of such licensing by the Contractor.

(4) Notwithstanding subparagraph (k)(3) of this clause, the contractor shall not be obligated to license any background patent if the Contractor demonstrates to the satisfaction of the Secretary of Energy or designee that:

(i) a competitive alternative to the subject matter covered by said background patent is commercially available or readily introducible from one or more other sources; or

(ii) the Contractor or its licensees are supplying the subject matter covered by said background patent in sufficient quantity and at reasonable prices to satisfy market needs, or have taken effective steps or within a reasonable time are expected to take effective steps to so supply the subject matter. (l) Publication. It is recognized that during the course of the work under this contract, the Contractor or its employees may from time to time desire to release or publish information regarding scientific or technical developments conceived or first actually reduced to practice in the course of or under this contract. In order that public disclosure of such information will not adversely affect the patent interests of DOE or the Contractor, patent approval for release of publication shall be secured from Patent Counsel prior to any such release or publication.

(m) *Forfeiture of rights in unreported subject inventions.*

(1) The Contractor shall forfeit and assign to the Government, at the request of the Secretary of Energy or designee, all rights in any subject invention which the Contractor fails to report to Patent Counsel within six months after the time the Contractor:

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

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

(2) However, the Contractor shall not forfeit rights in a subject invention if, within the time specified in subparagraph (m)(1) of this clause, the Contractor:

(i) Prepares 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 and delivers the decision to Patent Counsel, with a copy to the Contracting Officer; or

(ii) Contending that the invention is not a subject invention, the Contractor nevertheless discloses the invention and all facts pertinent

to this contention to the Patent Counsel, with a copy to the Contracting Officer; or

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

(3) Pending written assignment of the patent application and patents on a subject invention determined by the Secretary of Energy or designee to be forfeited (such determination to be a final decision under the Disputes clause of this contract), the Contractor shall be deemed to hold the invention and the patent applications and patents pertaining thereto in trust for the Government. The forfeiture provision of this paragraph (m) shall be in addition to and shall not supersede other rights and remedies which the Government may have with respect to subject inventions.

(j) *Transfer to successor contractor.*

(1) In the event of termination or expiration of this contract, the contractor shall transfer any unexpended balance of income received relating to intellectual property, in accordance with instructions from the contracting officer, to a successor contractor, or in the absence of a successor contractor, to such other entity as designated by the contracting officer. The contractor shall also transfer title, as one package, in all patents and patent applications, license agreements, accounts containing royalty revenues from such license agreements, including equity positions in third-party entities, and other intellectual property that arose under the performance of this contract, to the successor contractor or to the Government, as directed by the contracting officer.

(2) The Government agrees that the recipient of such title shall assume any remaining obligations and liabilities in connection with the patents and patent applications.

(k) *Facilities License.*

In addition to the rights of the parties with respect to inventions or discoveries conceived or first actually reduced to practice in the course of or under this contract, the contractor agrees to and does hereby grant to the Government an irrevocable, nonexclusive, paid-up license in and to any inventions or discoveries regardless of when conceived or actually reduced to practice or acquired by the contractor at any time through completion of this contract and which are incorporated or embodied in the construction of the facility or which are utilized in the operation of the facility or which cover articles, materials, or products manufactured at the facility (1) to practice or have practiced by or for the Government at the facility, and (2) to transfer such license with the transfer of that facility. The acceptance or exercise by the Government of these rights shall not

prevent the Government at any time from contesting the enforceability, validity or scope of, or title to, any rights or patents herein licensed.

NOTE: In view of the Technology Transfer Mission established for Government-owned, contractor-operated laboratories by the National Competitiveness Technology Transfer Act of 1989, it is expected that the Department will grant a waiver of the Government's rights in Subject Inventions if the contractor is a profit-making entity. Upon grant of the waiver, the above Patent Rights clause will be replaced with a Patent Rights clause reflecting the waiver grant.

I-136. 970.5204-74 Option to Extend the Term of the Contract (Jun 1996) (Modified)

(a) The Department of Energy may unilaterally extend the term of this performance-based management contract by written notice to the Contractor within the basic term of the contract; provided, that the Department of Energy shall give the Contractor a preliminary written notice of its intent to extend at least twelve (12) months before the basic term of the contract expires. The preliminary notice does not commit the Department of Energy to an extension.

(b) (*Deviation*) The option(s) to extend the contract is identified in Part I, Section F, of the contract. The Department of Energy may exercise any, or all, of the options identified in the contract. The total duration of this contract, including the exercise of any option(s) under this clause, shall not exceed 122 months.

I-137. 970.5204-75 Pre-Existing Conditions (Jun 1997) Alternate II

(a) The Department of Energy agrees to reimburse the Contractor, and the Contractor shall not be held responsible, for any liability (including without limitation, a claim involving strict or absolute liability and any civil fine or penalty), expense, or re-mediation cost, but limited to those of a civil nature, which may be incurred by, imposed on, or asserted against the Contractor arising out of any condition, act or failure to act which occurred before the Contractor assumed responsibility on April 1, 2000. To the extent the acts or omissions of the Contractor cause or add to any liability, expense or remediation cost resulting from conditions in existence prior to April 1, 2000, the Contractor shall be responsible in accordance with the terms and conditions of this contract.

(b) The obligations of the Department of Energy under this clause are subject to the availability of appropriated funds.

(c) The Contractor has the duty to inspect the facilities and sites and timely identify to the contracting officer those conditions which it believes could give rise to a liability, obligation, loss, damage, penalty, fine, claim, action, suit, cost, expense or disbursement or areas of actual or potential noncompliance with the terms and conditions of this contract or applicable law or regulation. The Contractor has the

responsibility to take corrective action, as directed by the contracting officer and as required elsewhere in this contract.

I-138. 970.5204-76 Make-or-Buy Plan (Jun 1997)

(a) *Definitions.*

Buy Item, means a work activity, supply, or service to be produced or performed by an outside source, including a subcontractor or an affiliate, subsidiary, or division of the Contractor.

Make Item, means a work activity, supply, or service to be produced or performed by the Contractor using its personnel and other resources at the Department of Energy facility or site.

Make-or-Buy Plan, means a Contractor's written program for the contract that identifies work efforts or requirements that either are "make items" or "buy items"

(b) *Make-or-Buy Plan.* The Contractor shall develop and implement a make-or-buy plan that establishes a preference for providing supplies and services on a least-cost basis, subject to any specific make or buy criteria identified in the contract or otherwise provided by the contracting officer. In developing and implementing its make-or-buy plan, the Contractor agrees to assess subcontracting opportunities and implement subcontracting decisions in accordance with the following:

(1) The Contractor shall conduct internal productivity improvement and cost-reduction programs so that in-house performance options can be made more efficient and cost-effective.

(2) The Contractor shall consider subcontracting opportunities with the maximum practicable regard for open communications with potentially affected employees and their representatives. Similarly, a Contractor shall communicate its plans, activities, cost-benefit analyses, and decisions to those stakeholders, including representatives of the community and local businesses, likely to be affected by such actions.

(c) *Submissions and Approval*. For new contract awards, the Contractor shall submit an initial make-or-buy plan, for approval, within 180 days after contract award. If the existing contract is to be extended, the Contractor shall submit a make-or-buy plan for review and approval at least 90 days prior to the commencement of the negotiations for the extension. The following documentation shall be prepared and submitted.

(1) A description of each work item, and if appropriate, the identification of the associated Work Authorization or Work Breakdown Structure element;

(2) The categorization of each work item as “must make,” “must buy,” or “can make or buy,” with the reasons for such categorization in consideration of the program specific make or buy criteria (including least cost considerations). For non-core capabilities categorized “must make,” a cost/benefit analysis must be performed for each item if:

(i) The Contractor is not the least-cost performer, and

(ii) A program specific make-or-buy criterion does not otherwise justify a “must make” categorization;

(3) A decision to either “make” or “buy” in consideration of the program specific make or buy criteria (including least cost considerations) for work effort categorized as “can make or buy,”

(4) Identification of potential suppliers and subcontractors, if known, and their location and size status;

(5) A recommendation to defer a make or buy decision where categorization of an identifiable work effort is impracticable at the time of initial development of the plan and a schedule for future re-evaluation;

(6) A description of the impact of a change in current practice of making or buying on the existing work force; and

(7) Any additional information appropriate to support and explain the plan.

(d) *Conduct of Operations.* Once a make-or-buy plan is approved, the Contractor shall perform in accordance with the plan.

(e) *Changes to the Make-or-Buy plan.* The make-or-buy plan established in accordance with paragraph (b) of this clause shall remain in effect for the term of the contract, unless:

(1) A lesser period is provided either for the total plan or for individual items or work effort;

(2) The circumstances supporting the Make-or-Buy decisions change, or

(3) New work is identified.

At least annually, the Contractor shall review its approved make-or-buy plan to ensure that it reflects current conditions. Changes to the approved make-or-buy plan shall be submitted in advance of the effective date of the proposed change in sufficient time to permit evaluation and review. Changes shall be submitted in accordance with the instructions provided by the contracting officer. Modification

of the make-or-buy plan to incorporate proposed changes or additions shall be effective upon the Contractor's receipt of the Contracting Officer's written approval.

I-139. 970.5204-77 Workforce Restructuring under Section 3161 of the National Defense Authorization Act for Fiscal Year 1993 (Jun 1997)

(a) Consistent with the objectives of Section 3161 of the National Defense Authorization Act for Fiscal Year 1993, 42 U.S.C. 7274h, in instances where the Department of Energy has determined that a change in workforce at a Department of Energy Defense Nuclear Facility is necessary, the contractor agrees to (1) comply with the Department of Energy Workforce Restructuring Plan for the facility, if applicable, and (2) use its best efforts to accomplish workforce restructuring or displacement so as to mitigate social and economic impacts.

(b) The requirements of this clause shall be included in subcontracts at any tier (except subcontracts for commercial items pursuant to 41 U.S.C. 403) expected to exceed $500,000.

I-140. 970.5204-78 Laws, Regulations, and DOE Directives (Jun 1997)

(a) In performing work under this contract, the contractor shall comply with the requirements of applicable Federal, State, and local laws and regulations (including DOE regulations), unless relief has been granted in writing by the appropriate regulatory agency. A List of Applicable Laws and regulations (List A) may be appended to this contract for information purposes. Omission of any applicable law or regulation from List A does not affect the obligation of the contractor to comply with such law or regulation pursuant to this paragraph.

(b) In performing work under this contract, the contractor shall comply with the requirements of those Department of Energy directives, or parts thereof, identified in the List of Applicable Directives (List B) appended to this contract. Except as otherwise provided for in paragraph (c) of this clause, the contracting officer may, from time to time and at any time, revise List B by unilateral modification to the contract to add, modify, or delete specific requirements. Prior to revising List B, the contracting officer shall notify the contractor in writing of the Department's intent to revise List B and provide the contractor with the opportunity to assess the effect of the contractor's compliance with the revised list on contract cost and funding, technical performance, and schedule; and identify any potential inconsistencies between the revised list and the other terms and conditions of the contract. Within 30 days after receipt of the contracting officer's notice, the contractor shall advise the contracting officer in writing of the potential impact of the contractor's compliance with the revised list. Based on the information provided by the contractor and any other information available, the contracting officer shall decide whether to revise List B and so advise the contractor not later than 30 days prior to the effective date of the revision of List B. The contractor

and the contracting officer shall identify and, if appropriate, agree to any changes to other contract terms and conditions, including cost and schedule, associated with the revision of List B pursuant to the clause entitled, Changes, of this contract.

(c) Environmental, safety, and health (ES&H) requirements appropriate for work conducted under this contract may be determined by a DOE approved process to evaluate the work and the associated hazards and identify an appropriately tailored set of standards, practices, and controls, such as a tailoring process included in a DOE approved Safety Management System implemented under 48 CFR (DEAR) 970.5204-2. When such a process is used, the set of tailored (ES&H) requirements, as approved by DOE pursuant to the process, shall be incorporated into List B as contract requirements with full force and effect. These requirements shall supersede, in whole or in part, the contractual environmental, safety, and health requirements previously made applicable to the contract by List B. If the tailored set of requirements identifies an alternative requirement varying from an ES&H requirement of an applicable law or regulation, the contractor shall request an exemption or other appropriate regulatory relief specified in the regulation.

(d) The contractor is responsible for compliance with the requirements made applicable to this contract, regardless of the performer of the work. The contractor is responsible for flowing down the necessary provisions to subcontracts at any tier to which the contractor determines such requirements apply.

I-141. 970.5204-79 Access to and Ownership of Records (Jun 1997) (Deviation)

(a) Government-owned records. Except as provided in paragraph (b) of this clause, all records acquired or generated by the Contractor in its performance of this contract shall be the property of the Government and shall 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 process of the work or, in any event, as the Contracting Officer shall direct upon completion or termination of the contract.

(b) Contractor-owned records. The following records are considered the property of the Contractor and are not within the scope of paragraph (a) of this clause.

(1) Employment-related records (such as worker's compensation files; employee relations records, records of salary and employee benefits; drug testing records, labor negotiation records; records on ethics, employee concerns, and other employee related investigations conducted under an expectation of confidentiality; employee assistance program records; and personnel and medical/health-related records and similar files), except for those records described by the Contractor as being maintained in Privacy Act systems of records.

(2) Confidential Contractor financial information, and correspondence between the Contractor and other segments of the Contractor located away from the DOE facility (i.e., the Contractor's corporate headquarters);

(3) Records relating to any procurement action by the Contractor, except for records that under 48 CFR (DEAR) 970.5204-9, Accounts, Records, and Inspection, are described as the property of the Government; and

(4) Legal records, including legal opinions, litigation files, and documents covered by the attorney-client and attorney work product privileges; and

(5) The following categories of records maintained pursuant to the technology transfer clause of this contract:

(i) Executed license agreements, including exhibits or appendices containing information on royalties, royalty rates, other financial information, or commercialization plans, and all related documents, notes and correspondence.

(ii) The Contractor's protected Cooperative Research and Development Agreement (CRADA) information and appendices to a CRADA that contain licensing terms and conditions, or royalty or royalty rate information.

(iii) Patent, copyright, mask work, and trademark application files and related Contractor invention disclosures, documents and correspondence, where the Contractor has elected rights or has permission to assert rights and has not relinquished such rights or turned such rights over to the Government.

(c) *Contract Completion or Termination.* In the event of completion or termination of this contract, copies of any of the Contractor-owned records identified in paragraph (b) of this clause, upon request of the Government, shall be delivered to DOE or its designees, including successor Contractors. Upon delivery, title to such records shall vest in DOE or its designees, and such records shall be protected in accordance with applicable federal laws (including the Privacy Act), as appropriate.

(d) *Inspection, Copying, and Audit of Records.* All records acquired or generated by the Contractor under this contract in the possession of the Contractor, including those described at paragraph (b) of this clause, shall be subject to inspection, copying, and audit by the Government or its designee at all reasonable times, and the Contractor shall afford the Government or its designee reasonable facilities for such inspection, copying, and audit; provided, however, that upon request by the Contracting Officer, the Contractor shall deliver such records to a location

specified by the Contracting Officer for inspection, copying and audit. The Government or its designees shall use such records in accordance with applicable federal laws (including the Privacy Act), as appropriate.

(e) *Applicability.* Paragraphs (b), (c), and (d) of this clause apply to all records without regard to the date or origination of such records.

(f) *(DEVIATION) Records Retention Standards.* Special records retention standards, described at DOE Order 1324.5B, Records Management Program and DOE Records Schedules (as updated in accordance with Appendix E), are applicable for the classes of records described therein, whether or not the records are owned by the Government or the Contractor. In addition, the Contractor shall retain individual radiation exposure records generated in the performance of work under this contract until DOE authorizes disposal. The Government may waive application of these record retention schedules, if, upon termination or completion of the contract, the Government exercises its right under paragraph (c) of this clause to obtain copies and delivery of records described in paragraphs (a) and (b) of this clause.

(g) *Flow Down.* The Contractor shall include the requirements of this clause in all subcontracts that are of a cost-reimbursement type if any of the following factors is present:

(1) The value of the subcontract is greater than $2 million (unless specifically waived by the Contracting Officer);

(2) The Contracting Officer determines that the subcontract is, or involves, a critical task related to the contract; or

(3) The subcontract includes 48 CFR (DEAR) 970.5204-2, Integration of Environment, Safety, and Health into Work Planning and Execution, or similar clause.

I-142. 970.5204-80 Overtime Management (Jun 1997)

(a) The Contractor shall maintain adequate internal controls to ensure that employees overtime is authorized only if cost effective and necessary to ensure performance of work under this contract.

(b) The Contractor shall notify the Contracting Officer when in any given year it is likely that overtime usage as a percentage of payroll may exceed 4%.

(c) The Contracting Officer may require the submission, for approval, of a formal annual overtime control plan whenever Contractor overtime usage as a percentage of payroll has exceeded, or is likely to exceed, 4% or if the Contracting Officer

otherwise deems overtime expenditures excessive. The plan shall include, a minimum:

(1) An overtime premium fund (maximum dollar amount);

(2) Specific controls for casual overtime for non-exempt employees;

(3) Specific parameters for allowability of exempt overtime;

(4) An evaluation of alternatives to the use of overtime; and

(5) Submission of a semi-annual report that includes for exempt and non-exempt employees:

(i) Total cost of overtime;
(ii) Total cost of straight time;
(iii) Overtime cost as a percentage of straight-time cost;
(iv) Total overtime hours;
(v) Total straight-time hours; and
(vi) Overtime hours as a percentage of straight-time hours.

I-143. 970.5204-81 Diversity Plan (Dec 1997) (Deviation)

(a) (*DEVIATION*) The Contractor shall submit a Diversity Plan to the Contracting Officer for approval by May 1, 2000. Guidance for preparation of a Diversity Plan is as follows: The Plan shall include innovative strategies for increasing opportunities to fully use the talents and capabilities of a diverse work force. The Plan shall address, at a minimum, the Contractor's approach for promoting diversity through (1) the Contractor's work force, (2) educational outreach, (3) community involvement and outreach, (4) subcontracting, (5) economic development (including technology transfer), (6) environmental justice, (7) policies and practices, (8) recruitment strategies, and (9) employee concerns.

(b) (*DEVIATION*) A Diversity Report shall be submitted annually by November 1, for the previous fiscal year. This report shall provide a list of accomplishments achieved both internally and externally and projected developments during the current reporting period. The report shall also list any proposed changes to the Diversity Plan which shall be subject to Contracting officer approval.

I-144. 970.5204-83 Rights in Data-Technology Transfer (Feb 1998) Alternate I (Feb 1998)

(a) *Definitions.*

(1) *Computer Data Bases*, as used in this clause, means a collection of data in a form capable of, and for the purpose of, being stored in, processed, and operated on by a computer. The term does not include computer software.

(2) *Computer Software*, as used in this clause, means

(i) computer programs which are data comprising a series of instructions, rules, routines, or statements, regardless of the media in which recorded, that allow or cause a computer to perform a specific operation or series of operations and

(ii) data comprising source code listings, design details, algorithms, processes, flow charts, formulae, and related material that would enable the computer program to be produced, created, or compiled. The term does not include computer data bases.

(3) *Data*, as used in this clause, means recorded information, regardless of form or the media on which it may be recorded. The term includes technical data and computer software. The term "data" does not include data incidental to the administration of this contract, such as financial, administrative, cost and pricing, or management information.

(4) *Limited Rights Data*, as used in this clause, means data, other than computer software, developed at private expense that embody trade secrets or are commercial or financial and confidential or privileged. The Government's rights to use, duplicate, or disclose limited rights data are as set forth in the Limited Rights Notice of paragraph (g) of this clause.

(5) *Restricted Computer Software*, as used in this clause, means computer software developed at private expense and that is a trade secret; is commercial or financial and is confidential or privileged; or is published copyrighted computer software, including minor modifications of any such computer software. The Government's rights to use, duplicate, or disclose restricted computer software are as set forth in the Restricted Rights Notice of subparagraph (h) of this clause.

(6) *Technical data*, as used in this clause, means recorded data, regardless of form or characteristic, that are of a scientific or technical nature. Technical data does not include computer software, but does include manuals and instructional materials and technical data formatted as a computer database.

(7) *Unlimited rights*, as used in this clause, means the rights of the Government to use, disclose, reproduce, prepare derivative works, distribute copies to the public, including by electronic means, and perform publicly and display publicly, in any manner, including by electronic means, and for any purpose whatsoever, and to have or permit others to do so.

(b) *Allocation of Rights.*

(1) The Government shall have:

(i) Ownership of all technical data and computer software first produced in the performance of this contract;

(ii) Unlimited rights in technical data and computer software specifically used in the performance of this contract, except as provided herein regarding copyright, limited rights data, or restricted computer software, and except for data subject to the withholding provisions for protected Cooperative Research and Development Agreement (CRADA) information in accordance with Technology Transfer actions under this contract, or other data specifically protected by statute for a period of time or, where, approved by DOE, appropriate instances of the DOE Work for Others Program;

(iii) The right to inspect technical data and computer software first produced or specifically used in the performance of this contract at all reasonable times. The Contractor shall make available all necessary facilities to allow DOE personnel to perform such inspection;

(iv) The right to have all technical data and computer software first produced or specifically used in the performance of this contract 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 agrees to leave a copy of such data at the facility or plant to which such data relate, and to make available for access or to deliver to the Government such data upon request by the Contracting Officer. If such data are limited rights data or restricted computer software, the rights of the Government in such data shall be governed solely by the provisions of paragraph (g) of this clause ("Rights in Limited Rights Data") or paragraph (h) of this clause ("Rights in Restricted Computer Software"); and

(v) The right to remove, cancel, correct, or ignore any markings not authorized by the terms of this contract on any data furnished hereunder if, in response to a written inquiry by DOE concerning the

propriety of the markings, the Contractor fails to respond thereto within 60 days or fails to substantiate the propriety of the markings. In either case DOE will notify the Contractor of the action taken.

(2) The Contractor shall have:

(i) The right to withhold limited rights data and restricted computer software unless otherwise provided in provisions of this clause;

(ii) The right to use for its private purposes, subject to patent, security or other provisions of this contract, data it first produces in the performance of this contract, except for data in DOE's Uranium Enrichment Technology, including diffusion, centrifuge, and atomic vapor laser isotope separation and except Restricted Data in category C-24, 10 CFR part 725, in which DOE has reserved the right to receive reasonable compensation for the use of its inventions and discoveries, including related data and technology, provided the data requirements of this contract have been met as of the date of the private use of such data; and

(iii) The right to assert copyright subsisting in scientific and technical articles as provided in paragraph (d) of this clause and the right to request permission to assert copyright subsisting in works other than scientific and technical articles as provided in paragraph (e) of this clause.

(3) The Contractor agrees that for limited rights data or restricted computer software or other technical business or financial data in the form of recorded information which it receives from, or is given access to by DOE or a third party, including a DOE Contractor or Subcontractor, and for technical data or computer software it first produces under this Contract which is authorized to be marked by DOE, the Contractor shall treat such data in accordance with any restrictive legend contained thereon.

(c) *Copyright (General)*

(1) The Contractor agrees not to mark, register, or otherwise assert copyright in any data in a published or unpublished work, other than as set forth in paragraphs (d) and (e) of this clause.

(2) Except for material to which the Contractor has obtained the right to assert copyright in accordance with either paragraph (d) or (e) of this clause, the Contractor agrees not to include in the data delivered under this contract any material copyrighted by the Contractor and not to knowingly include any material copyrighted by others without first granting or obtaining at no cost a license therein for the benefit of the Government of the same scope as set

forth in paragraph (d) of this clause. If the Contractor believes that such copyrighted material for which the license cannot be obtained must be included in the data to be delivered, rather than merely incorporated therein by reference, the Contractor shall obtain the written authorization of the Contracting Officer to include such material in the data prior to its delivery.

(d) *Copyrighted Works (Scientific and Technical Articles)*

(1) The Contractor shall have the right to assert, without prior approval of the Contracting Officer, copyright subsisting in scientific and technical articles composed under this contract or based on or containing data first produced in the performance of this contract, and published in academic, technical or professional journals, symposia, proceedings, or similar works. When assertion of copyright is made, the Contractor shall affix the applicable copyright notice of 17 U.S.C. 401 or 402 and acknowledgment of Government sponsorship (including contract number) on the data when such data are delivered to the Government as well as when the data are published or deposited for registration as a published work in the U.S. Copyright Office. The Contractor grants to the Government, and others acting on its behalf, a nonexclusive, paid-up, irrevocable, world-wide license in such copyrighted data to reproduce, prepare derivative works, distribute copies to the public, and perform publicly and display publicly, by or on behalf of the Government.

(2) The Contractor shall mark each scientific or technical article first produced or composed under this contract and submitted for journal publication or similar means of dissemination with a notice, similar in all material respects to the following, on the front reflecting the Government's non-exclusive, paid-up, irrevocable, world-wide license in the copyright.

Notice: This manuscript has been authored by [insert the name of the Contractor] under Contract No. [insert the contract number] with the U.S. Department of Energy. The United States Government retains and the publisher, by accepting the article for publication, acknowledges that the United States Government retains a non- exclusive, paid-up, irrevocable, world-wide license to publish or reproduce the published form of this manuscript, or allow others to do so, for United States Government purposes.

(End of Notice)

(3) The title to the copyright of the original of unclassified graduate theses and the original of related unclassified scientific papers shall vest in the author thereof, subject to the right of DOE to retain duplicates of such documents and to use such documents for any purpose whatsoever without any claim on the part of the author or the Contractor for additional compensation.

(e) *Copyrighted works (other than scientific and technical articles and data produced under a CRADA)*

The Contractor may obtain permission to assert copyright subsisting in technical data and computer software first produced by the Contractor in performance of this contract, where the Contractor can show that commercialization would be enhanced by such copyright protection, subject to the following:

(1) *Contractor Request to Assert Copyright*

(i) For data other than scientific and technical articles and data produced under a CRADA, the Contractor shall submit in writing to Patent Counsel its request to assert copyright in data first produced in the performance of this Contract pursuant to this clause. The right of the Contractor to copyright data first produced under a CRADA is as described in the individual CRADA. Each request by the Contractor must include:

(A) The identity of the data (including any computer program) for which the Contractor requests permission to assert copyright, as well as an abstract which is descriptive of the data and is suitable for dissemination purposes,

(B) The program under which it was funded,

(C) Whether, to the best knowledge of the Contractor, the data is subject to an international treaty or agreement,

(D) Whether the data is subject to export control,

(E) A statement that the Contractor plans to commercialize the data in compliance with the clause of this contract entitled "Technology Transfer Mission," within five (5) years after obtaining permission to assert copyright or, on a case-by-case basis, a specified longer period where the Contractor can demonstrate that the ability to commercialize effectively is dependent upon such longer period, and

(F) For data other than computer software, a statement explaining why the assertion of copyright is necessary to enhance commercialization and is consistent with DOE's dissemination responsibilities.

(ii) For data that is developed using other funding sources in addition to DOE funding, the permission to assert copyright in accordance with this clause must also be obtained by the Contractor from all other funding sources prior to the Contractor's request to Patent Counsel.

The request shall include the Contractor's certification or other documentation acceptable to Patent Counsel demonstrating such permission has been obtained.

(iii) Permission for the Contractor to assert copyright in excepted categories of data as determined by DOE will be expressly withheld. Such excepted categories include data whose release

(A) would be detrimental to national security, i.e., involve classified information or data or sensitive information under Section 148 of the Atomic Energy Act of 1954, as amended, or are subject to export control for nonproliferation and other nuclear-related national security purposes,

(B) would not enhance the appropriate transfer or dissemination and commercialization of such data,

(C) would have a negative impact on U.S. industrial competitiveness,

(D) would prevent DOE from meeting its obligations under treaties and international agreements, or

(E) would be detrimental to one or more of DOE's programs. Additional excepted categories may be added by the Assistant General Counsel for Technology Transfer and Intellectual Property. Where data are determined to be under export control restriction, the Contractor may obtain permission to assert copyright subject to the provisions of this clause for purposes of limited commercialization in a manner that complies with export control statutes and applicable regulations. In addition, notwithstanding any other provision of this contract, all data developed with Naval Reactors' funding and those data that are classified fall within excepted categories. The rights of the Contractor in data are subject to the disposition of data rights in the treaties and international agreements identified under this contract as well as those additional treaties and international agreements which DOE may from time to time identify by unilateral amendment to the contract; such amendment listing added treaties and international agreements is effective only for data which is developed after the date such treaty or international agreement is added to this contract. Also, the contractor will not be permitted to assert copyright in data in the form of various technical reports generated by the contractor under the contract without first obtaining the advanced written permission of the Contracting Officer.

(2) *DOE Review and Response to Contractor's Request*. The Patent Counsel shall use its best efforts to respond in writing within 90 days of receipt of a complete request by the Contractor to assert copyright in technical data and computer software pursuant to this clause. Such response shall either give or withhold DOE's permission for the Contractor to assert copyright or advise the Contractor that DOE needs additional time to respond and the reasons therefore.

(3) *Permission for Contractor to Assert Copyright*.

(i) For computer software, the contractor shall furnish to the DOE designated, centralized software distribution and control point, the Energy Science and Technology Software Center, at the time permission to assert copyright is given under paragraph (e)(2) of this clause:

(A) an abstract describing the software suitable for publication,

(B) the source code for each software program, and

(C) the object code and at least the minimum support documentation needed by a technically competent user to understand and use the software. The Patent Counsel, for good cause shown by the contract or, may allow the minimum support documentation to be delivered within 60 days after permission to assert copyright is given or at such time the minimum support documentation becomes available. The Contractor acknowledges that the DOE designated software distribution and control point may provide a technical description of the software in an announcement identifying its availability from the copyright holder.

(ii) Unless otherwise directed by the Contracting Officer, for data other than computer software to which the Contractor has received permission to assert copyright under paragraph (e)(2) of this clause above, the Contractor shall within sixty (60) days of obtaining such permission furnish to DOE's Office of Scientific and Technical Information (OSTI) a copy of such data as well as an abstract of the data suitable for dissemination purposes. The Contractor acknowledges that OSTI may provide an abstract of the data in an announcement to DOE, its Contractors and to the public identifying its availability from the copyright holder.

(iii) For a five year period or such other specified period as specifically approved by Patent Counsel beginning on the date the Contractor is given permission to assert copyright in data, the Contractor grants to

the Government, and others acting on its behalf, a paid-up, nonexclusive, irrevocable worldwide license in such copyrighted data to reproduce, prepare derivative works and perform publicly and display publicly, by or on behalf of the Government. Upon request, the initial period may be extended after DOE approval. The DOE approval will be based on the standard that the work is still commercially available and the market demand is being met.

(iv) After the period approved by Patent Counsel for application of the limited Government license described in paragraph (e)(3)(iii) of this clause, or if, prior to the end of such period(s), the Contractor abandons commercialization activities pertaining to the data to which the Contractor has been given permission to assert copyright, the Contractor grants to the Government, and others acting on its behalf, a paid-up, nonexclusive, irrevocable worldwide license in such copyrighted data to reproduce, distribute copies to the public, prepare derivative works, perform publicly and display publicly, and to permit others to do so.

(v) Whenever the Contractor asserts copyright in data pursuant to this paragraph (e), the Contractor shall affix the applicable copyright notice of 17 U.S.C. 401 or 402 on the copyrighted data and also an acknowledgment of the Government sponsorship and license rights of paragraphs (e)(3)(iii) and (iv) of this clause. Such action shall be taken when the data are delivered to the Government, published, licensed or deposited for registration as a published work in the U.S. Copyright Office. The acknowledgment of Government sponsorship and license rights shall be as follows:

Notice: These data were produced by (insert name of Contractor) under Contract No. DE-AC98GO10337 with the Department of Energy. For (period approved by DOE Patent Counsel) from (date permission to assert copyright was obtained), the Government is granted for itself and others acting on its behalf a nonexclusive, paid-up, irrevocable worldwide license in this data to reproduce, prepare derivative works, and perform publicly and display publicly, by or on behalf of the Government. There is provision for the possible extension of the term of this license. Subsequent to that period or any extension granted, the Government is granted for itself and others acting on its behalf a nonexclusive, paid-up, irrevocable worldwide license in this data to reproduce, prepare derivative works, distribute copies to the public, perform publicly and display publicly, and to permit others to do so. The specific term of the license can be identified by inquiry made to Contractor or DOE. Neither the United States nor the United States Department of Energy, nor any of their employees, makes any warranty, express or implied, or assumes any

legal liability or responsibility for the accuracy, completeness, or usefulness of any data ,apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights.

(End of Notice)

(vi) With respect to any data to which the Contractor has received permission to assert copyright, the DOE has the right, during the five (5) year or specified longer period approved by Patent Counsel as provided for in paragraph (e) of this clause, to request the Contractor to grant a nonexclusive, partially exclusive or exclusive license in any field of use to a responsible applicant(s) upon terms that are reasonable under the circumstances, and if the Contractor refuses such request, to grant such license itself, if the DOE determines that the Contractor has not made a satisfactory demonstration that either it or its licensee(s) is actively pursuing commercialization of the data as set forth in subparagraph (e)(1)(A) of this clause. Before licensing under this subparagraph (vi),DOE shall furnish the Contractor a written request for the Contractor to grant the stated license, and the Contractor shall be allowed thirty (30) days (or such longer period as may be authorized by the Contracting Officer for good cause shown in writing by the Contractor) after such notice to show cause why the license should not be granted. The Contractor shall have the right to appeal the decision of the DOE to grant the stated license to the Invention Licensing Appeal Board as set forth in 10 CFR 781.65—"Appeals."

(vii) No costs shall be allowable for maintenance of copyrighted data, primarily for the benefit of the Contractor and/or a licensee which exceeds DOE Program needs, except as expressly provided in writing by the Contracting Officer. The Contractor may use its net royalty income to effect such maintenance costs.

(viii) At any time the Contractor abandons commercialization activities for data for which the Contractor has received permission to assert copyright in accordance with this clause, it shall advise OSTI and Patent Counsel and upon request assign the copyright to the Government so that the Government can distribute the data to the public.

(4) The following notice may be placed on computer software prior to any publication and prior to the Contractor's obtaining permission from the Department of Energy to assert copyright in the computer software pursuant to paragraph (c)(3) of this section.

Notice: This computer software was prepared by [insert the Contractor's name and the individual author], hereinafter the Contractor, under contract

[insert the contract Number] with the Department of Energy (DOE). All rights in the computer software are reserved by DOE on behalf of the United States Government and the Contractor as provided in the contract. You are authorized to use this computer software for Governmental purposes but it is not to be released or distributed to the public. NEITHER THE GOVERNMENT NOR The Contractor MAKES ANY WARRANTY, EXPRESS OR IMPLIED, OR ASSUMES ANY LIABILITY FOR THE USE OF THIS SOFTWARE. This notice including this sentence must appear on any copies of this computer software.

(End of Notice)

(5) similar notice can be used for data, other than computer software, upon approval of DOE Patent Counsel.

(f) *Subcontracting*

(1) Unless otherwise directed by the Contracting Officer, the Contractor agrees to use in subcontracts in which technical data or computer software is expected to be produced or in subcontracts for supplies that contain a requirement for production or delivery of data in accordance with the policy and procedures of 48 CFR (FAR) Subpart 27.4 as supplemented by 48 CFR (DEAR) 927.401 through 927.409, the clause entitled "Rights in Data—General" at 48 CFR 52.227-14 modified in accordance with 927.409(a) and including Alternate V. Alternates II through IV of that clause may be included as appropriate with the prior approval of DOE Patent Counsel, and the Contractor shall not acquire rights in a subcontractor's limited rights data or restricted computer software, except through the use of Alternates II or III, respectively, without the prior approval of DOE Patent Counsel. The clause at FAR 52.227-16, Additional Data Requirements, shall be included in subcontracts in accordance with DEAR 927.409(h). The Contractor shall use instead the Rights in Data—Facilities clause at DEAR 970.5204-82 in subcontracts, including subcontracts for related support services, involving the design or operation of any plants or facilities or specially designed equipment for such plants or facilities that are managed or operated under its contract with DOE.

(2) It is the responsibility of the Contractor to obtain from its subcontractors technical data and computer software and rights therein, on behalf of the Government, necessary to fulfill the Contractor's obligations to the Government with respect to such data. In the event of refusal by a subcontractor to accept a clause affording the Government such rights, the Contractor shall:

(i) Promptly submit written notice to the Contracting Officer setting forth reasons or the subcontractor's refusal and other pertinent information which may expedite disposition of the matter, and

(ii) Not proceed with the subcontract without the written authorization of the Contracting Officer.

(3) Neither the Contractor nor higher-tier Subcontractors shall use their power to award subcontracts as economic leverage to acquire rights in a Subcontractor's limited rights data and restricted computer software for their private use.

(g) *Rights in Limited Rights Data*

Except as may be otherwise specified in this contract as data which are not subject to this paragraph, the Contractor agrees to and does hereby grant to the Government an irrevocable nonexclusive, paid-up license by or for the Government, in any limited rights data of the Contractor specifically used in the performance of this contract, provided, however, that to the extent that any limited rights data when furnished or delivered is specifically identified by the Contractor at the time of initial delivery to the Government or a representative of the Government, such data shall not be used within or outside the Government except as provided in the "Limited Rights Notice" set forth below. All such limited rights data shall be marked with the following "Limited Rights Notice:"

Limited Rights Notice

These data contain "Limited Rights Data," furnished under contract No. DE-AC-98GO10337 with the United States Department of Energy which may be duplicated and used by the Government with the express limitations that the "Limited Rights Data" may not be disclosed outside the Government or be used for purposes of manufacture without prior permission of the Contractor, except that further disclosure or use may be made solely for the following purposes:

(1) Use (except for manufacture) by support services Contractors within the scope of their contracts;

(2) This "Limited Rights Data" may be disclosed for evaluation purposes under the restriction that the "limited rights data" be retained in confidence and not be further disclosed;

(3) This "Limited Rights Data" may be disclosed to other Contractors participating in the Government's program of which this contract is a part for information or use(except for manufacture) in connection with the work performed under their contracts and under the restriction that the "limited rights data" be retained in confidence and not be further disclosed;

(4) This "Limited Rights Data" may be used by the Government or others on its behalf for emergency repair or overhaul work under the restriction that the

"limited rights data" be retained in confidence and not be further disclosed; and

(5) Release to a foreign government, or instrumentality thereof, as the interests of the United States Government may require, for information or evaluation, or for emergency repair or overhaul work by such government. This Notice shall be marked on any reproduction of this data in whole or in part.

(End of Notice)

(h) *Rights in Restricted Computer Software*

Except as may be otherwise specified in this contract as data which are not subject to this paragraph, the Contractor agrees to and does hereby grant to the Government an irrevocable, nonexclusive, paid-up, license by or for the Government, in any restricted computer software of the Contractor specifically used in the performance of this contract; provided, however, that to the extent that any restricted computer software when furnished or delivered is specifically identified by the Contractor at the time of initial delivery to the Government or a representative of the Government, such data shall not be used within or outside the Government except as provided in the "Restricted Rights Notice" set forth below. All such restricted computer software shall be marked with the following "Restricted Rights Notice:"

Restricted Rights Notice—Long Form

(a) This computer software is submitted with restricted rights under Department of Energy Contract No. DE-AC98GO10337. It may not be used, reproduced, or disclosed by the Government except as provided in paragraph (b) of this notice.

(b) This computer software may be:

(1) Used or copied for use in or with the computer or computers for which it was acquired, including use at any Government installation to which such computer or computers may be transferred;

(2) Used, copied for use, in a backup or replacement computer if any computer for which it was acquired is inoperative or is replaced;

(3) Reproduced for safekeeping (archives) or backup purposes;

(4) Modified, adapted, or combined with other computer software, provided that only the portions of the derivative software consisting of the restricted computer software are to be made subject to the same restricted rights; and;

(5) Disclosed to and reproduced for use by Contractors under a service contract (of the type defined in FAR 37.101) in accordance with subparagraphs

(b)(1) through (4) of this Notice, provided the Government makes such disclosure or reproduction subject to these restricted rights.

(c) Notwithstanding the foregoing, if this computer software has been published under copyright, it is licensed to the Government, without disclosure prohibitions, with the rights set forth in the restricted rights notice above.

(d) This Notice shall be marked on any reproduction of this computer software, in whole or in part.

(End of Notice)

(1) Where it is impractical to include the Restricted Rights Notice on restricted computer software, the following short-form Notice may be used in lieu thereof:

Restricted Rights Notice—Short Form

Use, reproduction, or disclosure is subject to restrictions set forth in the Long Form Notice of DOE Contract No. DE-AC98GO10337 with (name of Contractor).

(End of Notice)

(2) If the software is embedded, or if it is commercially impractical to mark it with human readable text, then the Symbol R and the clause date (mo/yr) in brackets or a box, a [R-mo/yr], may be used. This will be read to mean restricted computer software, subject to the rights of the Government as described in the Long Form Notice, in effect as of the date indicated next to the symbol. The symbol shall not be used to mark human readable material. In the event this contract contains any variation to the rights in the Long Form Notice, then the contract number must also be cited.

(3) If restricted computer software is delivered with the copyright notice of 17 U.S.C. 401, the software will be presumed to be published copyrighted computer software licensed to the Government without disclosure prohibitions and with unlimited rights, unless the contractor includes the following statement with such copyright notice “Unpublished-rights reserved under the Copyright Laws of the United States.”

(i) *Relationship to Patents*

Nothing contained in this clause creates or is intended to imply a license to the Government in any patent or is intended to be construed as affecting the scope of any licenses or other rights otherwise granted to the Government under any patent.

I-145. 970.5204-85 Reduction or Suspension of Advance, Partial, or Progress Payments (Dec 1997)

(a) The contracting officer may reduce or suspend further advance, partial, or progress payments to the contractor upon a written determination by the Secretary that substantial evidence exists that the contractor's request for advance, partial, or progress payment is based on fraud.

(b) The contractor shall be afforded a reasonable opportunity to respond in writing.

I-146. 970.5204-86 Conditional Payment of Fee, Profit, or Incentives (Apr 1999) (Alternate I)

In order for the Contractor to receive all otherwise earned fee, fixed fee, profit, or share of cost savings under the contract in an evaluation period, the Contractor must meet the minimum requirements in paragraphs (a) and (b) of this clause and if Alternate I is applicable (a) through (d) of this clause. If the Contractor does not meet the minimum requirements, the DOE Operations/Field Office Manager or designee may make a unilateral determination to reduce the evaluation period's otherwise earned fee, fixed fee, profit or share of cost savings as described in the following paragraphs of this clause.

(a) *Minimum requirements for Environment, Safety & Health (ES&H) Program.* The Contractor shall develop, obtain DOE approval of, and implement a Safety Management System in accordance with the provisions of the clause entitled, "Integration of Environment, Safety and Health into Work Planning and Execution," if included in the contract, or as otherwise agreed to with the Contracting Officer. The minimal performance requirements of the system will be set forth in the approved Safety Management System, or similar document. If the Contractor fails to obtain approval of the Safety Management System or fails to achieve the minimum performance requirements of the system during the evaluation period, the DOE Operations/Field Office Manager or designee, at his/her sole discretion, may reduce any otherwise earned fees, fixed fee, profit or share of cost savings for the evaluation period by an amount up to the amount earned.

(b) *Minimum requirements for catastrophic event.* If, in the performance of this contract, there is a catastrophic event (such as a fatality, or a serious workplace-related injury or illness to one or more Federal, contractor, or subcontractor employees or the general public, loss of control over classified or special nuclear material, or significant damage to the environment), the DOE Operations/Field Office Manager, or designee, may reduce any otherwise earned fee for the evaluation period by an amount up to the amount earned. In determining any diminution of fee, fixed fee, profit, or share of cost savings resulting from a catastrophic event, the DOE Operations/Field Office Manager or designee will consider whether willful misconduct and/or negligence contributed to the

occurrence and will take into consideration any mitigating circumstances presented by the contractor or other sources.

(c) *Minimum requirements for specified level of performance*.

(1) At a minimum the Contractor must perform the following:

(i) The requirements with specific incentives at the level of performance set forth in the Statement of Work, Work Authorization Directive, or similar document unless an otherwise minimal level of performance has been established in the specific incentive;

(ii) All of the performance requirements directly related to requirements specifically incentivized at a level of performance such that the overall performance of these related requirements is at an acceptable level; and

(iii) All other requirements at a level of performance such that the total performance of the contract is not jeopardized.

(2) The evaluation of the Contractor's achievement of the level of performance shall be unilaterally determined by the Contracting Officer. To the extent that the Contractor fails to achieve the minimum performance levels specified in the Statement of Work, Work Authorization Directive, or similar document, during the evaluation period, the DOE Operations/Field Office Manager, or designee, may reduce any otherwise earned fee, fixed fee, profit, or shared net savings for the evaluation period. Such reduction shall not result in the total of earned fee, fixed fee, profit, or shared net savings being less than 25% of the total available fee amount. Such 25% shall include base fee, if any.

(d) *Minimum requirements for cost performance*

(1) Requirements incentivized by other than cost incentives must be performed within their specified cost constraint and must not adversely impact the costs of performing unrelated activities.

(2) The performance of requirements with a specific cost incentive must not adversely impact the costs of performing unrelated requirements.

(3) The Contractor's performance within the stipulated cost performance levels for the evaluation period shall be determined by the Contracting Officer. To the extent the Contractor fails to achieve the stipulated cost performance levels, the DQE Operations/Field Office Manager, or designee, at his/her sole discretion, may reduce in whole or in part any otherwise earned fee, fixed fee, profit, or shared net savings for the evaluation period. Such

reduction shall not result in the total of earned fee, fixed fee, profit or shared net savings being less than 25% of the total available fee amount. Such 25% shall include base fee, if any.

I-147 FAR 52.250-1 Indemnification Under Public Law 85-804 (Apr 1984) (Alternate I)

M085
08/20/2003

(a) "Contractor's principal officials," as used in this clause, means directors, officers, managers, superintendents, or other representatives supervising or directing

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

(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.

(b) Under Public Law 85-804 (50 U.S.C 1431-1435) and Executive Order 10789, as amended, and regardless of any other provisions of this contract, the Government shall, subject to the limitations contained in the other paragraphs of this clause, indemnify the Contractor against —

(1) Claims (including reasonable expenses of litigation or settlement) by third persons (including employees of the Contractor) for death; personal injury; or loss of, damage to, or loss of use of property;

(2) Loss of, damage to, or loss of use of Contractor property, excluding loss of profit; and

(3) Loss of, damage to, or loss of use of Government property, excluding loss of profit.

(c) This indemnification applies only to the extent that the claim, loss, or damage (1) arises out of or results from a risk defined in this contract as unusually hazardous or nuclear and (2) is not compensated for by insurance or otherwise. Any such claim, loss, or damage, to the extent that it is within the deductible amounts of the Contractor's insurance, is not covered under this clause. If insurance coverage or other financial protection in effect on the date the approving official authorizes use of this clause is reduced, the Government's liability under this clause shall not increase as a result.

(d) When the claim, loss, or damage is caused by willful misconduct or lack of good faith on the part of any of the Contractor's principal officials, the Contractor shall not be indemnified for —

(1) Government claims against the Contractor (other than those arising through subrogation); or

(2) Loss or damage affecting the Contractor's property.

(e) With the Contracting Officer's prior written approval, the Contractor may, in any subcontract under this contract, indemnify the subcontractor against any risk defined in this contract as unusually hazardous or nuclear. This indemnification shall provide, between the Contractor and the subcontractor, the same rights and duties, and the same provisions for notice, furnishing of evidence or proof, and Government settlement or defense of claims as this clause provides. The Contracting Officer may also approve indemnification of subcontractors at any lower tier, under the same terms and conditions. The Government shall indemnify the Contractor against liability to subcontractors incurred under subcontract provisions approved by the Contracting Officer.

(f) The rights and obligations of the parties under this clause shall survive this contract's termination, expiration, or completion. The Government shall make no payment under this clause unless the agency head determines that the amount is just and reasonable. The Government may pay the Contractor or subcontractors, or may directly pay parties to whom the Contractor or subcontractors may be liable.

(g) The Contractor shall —

(1) Promptly notify the Contracting Officer of any claim or action against, or any loss by, the Contractor or any subcontractors that may be reasonably be expected to involve indemnification under this clause;

(2) Immediately furnish to the Government copies of all pertinent papers the Contractor receives;

(3) Furnish evidence or proof of any claim, loss, or damage covered by this clause in the manner and form the Government requires; and

(4) Comply with the Government's directions and execute any authorizations required in connection with settlement or defense of claims or actions.

(h) The Government may direct, control, or assist in settling or defending any claim or action that may involve indemnification under this clause.

(i) The cost of insurance (including self-insurance programs) covering a risk defined in this contract as unusually hazardous or nuclear shall not be reimbursed except to the extent that the Contracting Officer has required or approved this insurance. The Government's obligations under this clause are

(1) Excepted from the release required under this contract's clause relating to allowable cost; and

(2) Not affected by this contract's Limitation of Cost or Limitation of Funds clause

(j) The term "a risk defined in this contract as unusually hazardous or nuclear" as used in this clause means the risk of legal liability to third parties (including legal costs as defined in paragraph (jj) of Section 11 of the Atomic Energy Act of 1954, as amended, 42 U.S.C.§2014, notwithstanding the fact that the claim or suit may not arise under Section 170 of said Act) arising from actions or inactions in the course of the following work performed by the Contractor under this contract:

(1) Participation in the following nonproliferation endeavors —

The high priority national security work provided by the Contractor involving highly specialized technical services on behalf of the Department of Energy in support of a joint U.S.-Russian plutonium disposition program. This work by the Contractor which may take place inside or outside the United States, involves the development of safe facilities and processes for the formulation, fabrication, packaging and transportation, management, storage, use, and disposal of plutonium oxide and mixed plutonium oxide nuclear reactor fuel (hereinafter "MOX fuel" refers to both forms of fuel) and spent MOX fuel, in a nonproliferation effort on behalf of the United States.

(2) Activities on behalf of the Department of Energy involving weapons usable materials in a nonproliferation effort on behalf of the United States, outside the United States, as described in (i) through (iv):

(i) The Department of Energy's transparency monitoring activities in Russia under the U.S.-Russian Agreement Concerning the Disposition of Highly Enriched Uranium Extracted from Nuclear Weapons dated January 18, 1993; and any extension or modification thereof;

(ii) Inspection, packaging, transportation, and storage of weapons usable nuclear materials located in the Former Soviet Union, including Russia, provided that the work has been directed by the Secretary of Energy, the Deputy Secretary of Energy, or the Under Secretary for Nuclear Security;

(iii) Participation in the Department of Energy's nuclear materials protection and accountability programs in Russia, Ukraine, Kazakhstan, and Belarus, including developing such systems and

consulting and training individuals, or international inspectors on such systems under the:

Agreement between the Department of Energy of the United States of America and the Federal Nuclear and Radiation Safety Authority of the Russian Federation to Cooperate on National Protection, Control, and Accounting of Nuclear Materials dated 2 October 1999;
Agreement between the Department of Defense of the United States of America and the Ministry of Defense of the Republic of Kazakhstan concerning Control, Accounting, and Physical Protection of Nuclear Material to Promote the Prevention of Nuclear Weapons Proliferation dated 13 December 1993;

Agreement between the Department of Defense of the United States of America and the Ukrainian State Committee on Nuclear and Radiation Safety concerning Development of State Systems of Control, Accounting, and Physical Protection of Nuclear Materials to Promote the Prevention of Nuclear Weapons Proliferation from Ukraine dated 18 December 1993;

Agreement between the Department of Defense of the United States of America and the Ministry of Defense of the Republic of Belarus concerning Control, Accounting, and Physical Protection of Nuclear Materials to Promote the Prevention of Nuclear Weapons Proliferation dated 23 June 1995;

Joint Statement by the Secretary of Department of Energy of the United States of America and the Minister of the Russian Federation for Atomic Energy on Control, Accounting, and Physical Protection of Nuclear Materials dated 30 January 1996; and

Joint Statement by the Secretary of Department of Energy of the United States of America and the Minister of the Russian Federation for Atomic Energy on Protection, Control, Accounting of Nuclear Materials dated 30 June 1995;

(iv) Agreement between the United States of America and the Government of the Russian Federation on the Exchange of Technical Information in the Field of Nuclear Warhead Safety and Security dated 16 December 1994. This Agreement referred to as WSSX is the Agreement under which DOE/NN-42's Russian Lab-to-Lab Warhead Dismantlement Transparency Program is proceeding; and

(3) Other United States-sponsored activities outside the United States, as requested or approved by the President of the United States, the Secretary of Energy, the Deputy Secretary of Energy or the Under Secretary for Nuclear

Security and provided that the request or approval specifically makes the indemnity provided by this clause applicable thereto, involving:

(i) Transparency monitoring activities;

(ii) Inspection, packaging, transportation, and storage of weapons-usable nuclear materials;

(iii) Nuclear materials protection, control and accountability programs known as the Material Protection Control and Accounting Systems;

(iv) Other nonproliferation work relating to weapons-usable nuclear materials and materials of mass destruction; and

(v) Design, construction, and operation of facilities to manufacture, use, or dispose of MOX fuel or plutonium in the Russian Federation, other than the work identified in (1) above.

(4) As requested or approved by the President of the United States, the Secretary of Energy, the Deputy Secretary, or the Under Secretary for Energy, Science and Environment, non-proliferation, emergency response, antiterrorism and similar critical national security activities involving the use, detection, identification, assessment, control, containment, dismantlement, characterization, packaging, transportation, movement, storage, or disposal of nuclear, radiological, chemical, biological, or explosive materials, facilities and/or devices; provided that the activity relates to materials that are weapon usable or otherwise have the potential for mass destruction and further provided that the request or approval specifically makes the indemnity provided by this clause applicable to that particular activity.

I-148. 970.5203-2 Performance Improvement and Collaboration (Dec 2000)

M058
07/31/2002

(a) The contractor agrees that it shall affirmatively identify, evaluate, and institute practices, where appropriate, that will improve performance in the areas of environmental and health, safety, scientific and technical, security, business and administrative, and any other areas of performance in the management and operation of the contract. This may entail the alteration of existing practices or the institution of new procedures to more effectively or efficiently perform any aspect of contract performance or reduce overall cost of operation under the contract. Such improvements may result from changes in organization, simplification of systems while retaining necessary controls, or any other approaches consistent with the statement of work and performance measures of this contract.

(b) The contractor agrees to work collaboratively with the Department, all other management and operating, DOE major facilities management contractors and

affiliated contractors which manage or operate DOE sites or facilities for the following purposes: (i) to exchange information generally, (ii) to evaluate concepts that may be of benefit in resolving common issues, in confronting common problems, or in reducing costs of operations, and (iii) to otherwise identify and implement DOE-complex-wide management improvements discussed in paragraph (a). In doing so, it shall also affirmatively provide information relating to its management improvements to such contractors, including lessons learned, subject to security considerations and the protection of data proprietary to third parties.

(c) The contractor may consult with the contracting officer in those instances in which improvements being considered pursuant to paragraph (a) involve the cooperation of the DOE. The contractor may request the assistance of the contracting officer in the communication of the success of improvements to other management and operating contractors in accordance with paragraph (b) of this clause.

(d) The contractor shall notify the contracting officer and seek approval where necessary to fulfill its obligations under the contract. Compliance with this clause in no way alters the obligations of the Contractor under any other provision of this contract.

I-149. 970.5235-1 Federally Funded Research and Development Center Sponsoring Agreement (Dec 2000)

M058
07/31/2002

(a) Pursuant to 48 CFR 35.017-1, this contract constitutes the sponsoring agreement between the Department of Energy and the contractor, which establishes the relationship for the operation of a Department of Energy sponsored Federally Funded Research and Development Center (FFRDC).

(b) In the operation of this FFRDC, the contractor may be provided access beyond that which is common to the normal contractual relationship, to Government and supplier data, including sensitive and proprietary data, and to Government employees and facilities needed to discharge its responsibilities efficiently and effectively. Because of this special relationship, it is essential that the FFRDC be operated in the public interest with objectivity and independence, be free from organizational conflicts of interest, and have full disclosure of its affairs to the Department of Energy.

(c) Unless otherwise provided by the contract, the contractor may accept work from a nonsponsor (as defined in 48 CFR 35.017) in accordance with the requirements and limitations of DOE Order 481.1, Work for Others (Non-Department of Energy Funded Work) (see current version).

(d) As an FFRDC, the contractor shall not use its privileged information or access to government facilities to compete with the private sector. Specific guidance on restricted activities is contained in DOE Order 481.1.

I-150. 970.5226-3 Community Commitment (Dec 2000)

M058
07/31/2002

It is the policy of the DOE to be a constructive partner in the geographic region in which DOE conducts its business. The basic elements of this policy include: (1) Recognizing the diverse interests of the region and its stakeholders, (2) engaging regional stakeholders in issues and concerns of mutual interest, and (3) recognizing that giving back to the community is a worthwhile business practice. Accordingly, the Contractor agrees that its business operations and performance under the Contract will be consistent with the intent of the policy and elements set forth above.

I-151. 952.204-75 Public Affairs (Dec 2000)

M058
07/31/2002

(a) The Contractor must cooperate with the Department in releasing unclassified information to the public and news media regarding DOE policies, programs, and activities relating to its effort under the contract. The responsibilities under this clause must be accomplished through coordination with the Contracting Officer and appropriate DOE public affairs personnel in accordance with procedures defined by the Contracting Officer.

(b) The Contractor is responsible for the development, planning, and coordination of proactive approaches for the timely dissemination of unclassified information regarding DOE activities onsite and offsite, including, but not limited to, operations and programs. Proactive public affairs programs may utilize a variety of communication media, including public workshops, meetings or hearings, open houses, newsletters, press releases, conferences, audio/visual presentations, speeches, forums, tours, and other appropriate stakeholder interactions.

(c) The Contractor's internal procedures must ensure that all releases of information to the public and news media are coordinated through, and approved by, a management official at an appropriate level within the Contractor's organization.

(d) The Contractor must comply with DOE procedures for obtaining advance clearances on oral, written, and audio/visual informational material prepared for public dissemination or use.

(e) Unless prohibited by law, and in accordance with procedures defined by the Contracting Officer, the Contractor must notify the Contracting Officer and appropriate DOE public affairs personnel of communications or contacts with Members of Congress relating to the effort performed under the contract.

(f) In accordance with procedures defined by the Contracting Officer, the Contractor must notify the Contracting Officer and appropriate DOE public affairs personnel

of activities or situations that may attract regional or national news media attention and of non-routine inquiries from national news media relating to the effort performed under the contract.

(g) In releases of information to the public and news media, the Contractor must fully and accurately identify the Contractor's relationship to the Department and fully and accurately credit the Department for its role in funding programs and projects resulting in scientific, technical, and other achievements.

I-152. 52.204-7 Central Contractor Registration (OCT 2003) Alternate 1 (OCT 2003)

M094
12/17/2003

(a) Definitions. As used in this clause-
"Central Contractor Registration (CCR) database" means the primary Government repository for Contractor information required for the conduct of business with the Government.
"Data Universal Numbering System (DUNS) number" means the 9-digit number assigned by Dun and Bradstreet, Inc. (D&B) to identify unique business entities.
"Data Universal Numbering System+4 (DUNS+4) number" means the DUNS number means the number assigned by D&B plus a 4-character suffix that may be assigned by a business concern. (D&B has no affiliation with this 4-character suffix.) This 4-character suffix may be assigned at the discretion of the business concern to establish additional CCR records for identifying alternative Electronic Funds Transfer (EFT) accounts (see the FAR at Subpart 32.11) for the same parent concern.
"Registered in the CCR database" means that-

(1) The Contractor has entered all mandatory information, including the DUNS number or the DUNS+4 number, into the CCR database; and

(2) The Government has validated all mandatory data fields and has marked the record "Active".

(b) (1) The Contractor shall be registered in the CCR database by December 31, 2003. The Contractor shall maintain registration during performance and through final payment of this contract.

(2) The Contractor shall enter, in the block with its name and address on the cover page of the SF 30, Amendment of Solicitation/Modification of Contract, the annotation "DUNS" or "DUNS+4" followed by the DUNS or DUNS+4 number that identifies the Contractor's name and address exactly as stated in this contract. The DUNS number will be used by the Contracting Officer to verify that the Contractor is registered in the CCR database.

(c) If the offeror does not have a DUNS number, it should contact Dun and Bradstreet directly to obtain one.

(1) An offeror may obtain a DUNS number-

(i) If located within the United States, by calling Dun and Bradstreet at 1-866-705-5711 or via the Internet at http://www.dnb.com; or

(ii) If located outside the United States, by contacting the local Dun and Bradstreet office.

(2) The offeror should be prepared to provide the following information:

(i) Company legal business name.

(ii) Tradestyle, doing business, or other name by which your entity is commonly recognized.

(iii) Company physical street address, city, state and Zip Code.

(iv) Company mailing address, city, state and Zip Code (if separate from physical).

(v) Company telephone number.

(vi) Date the company was started.

(vii) Number of employees at your location.

(viii) Chief executive officer/key manager.

(ix) Line of business (industry).

(x) Company Headquarters name and address (reporting relationship within your entity).

(d) If the Offeror does not become registered in the CCR database in the time prescribed by the Contracting Officer, the Contracting Officer will proceed to award to the next otherwise successful registered Offeror.

(e) Processing time, which normally takes 48 hours, should be taken into consideration when registering. Offerors who are not registered should consider applying for registration immediately upon receipt of this solicitation.

(f) The Contractor is responsible for the accuracy and completeness of the data within the CCR database, and for any liability resulting from the Government's reliance on inaccurate or incomplete data. To remain registered in the CCR database after the initial registration, the Contractor is required to review and update on an annual basis from the date of initial registration or subsequent

updates its information in the CCR database to ensure it is current, accurate and complete. Updating information in the CCR does not alter the terms and conditions of this contract and is not a substitute for a properly executed contractual document.

(g) (1) (i) If a Contractor has legally changed its business name, "doing business as" name, or division name (whichever is shown on the contract), or has transferred the assets used in performing the contract, but has not completed the necessary requirements regarding novation and change-of-name agreements in Subpart 42.12, the Contractor shall provide the responsible Contracting Officer a minimum of one business day's written notification of its intention to:

(A) Change the name in the CCR database;

(B) Comply with the requirements of Subpart 42.12 of the FAR;

(C) Agree in writing to the timeline and procedures specified by the responsible Contracting Officer. The Contractor must provide with the notification sufficient documentation to support the legally changed name.

(ii) If the Contractor fails to comply with the requirements of paragraph (g)(1)(i) of this clause, or fails to perform the agreement at paragraph (g)(1)(i)(C) of this clause, and, in the absence of a properly executed novation or change-of-name agreement, the CCR information that shows the Contractor to be other than the Contractor indicated in the contract will be considered to be incorrect information within the meaning of the "Suspension of Payment" paragraph of the electronic funds transfer (EFT) clause of this contract.

(2) The Contractor shall not change the name or address for EFT payments or manual payments, as appropriate, in the CCR record to reflect an assignee for the purpose of assignment of claims (see FAR Subpart 32.8, Assignment of Claims). Assignees shall be separately registered in the CCR database. Information provided to the Contractor's CCR record that indicates payments, including those made by EFT, to an ultimate recipient other than that Contractor will be considered to be incorrect information within the meaning of the "Suspension of payment" paragraph of the EFT clause of this contract.

(h) Offerors and Contractors may obtain information on registration and annual confirmation requirements via the Internet at http://www.ccr.gov or by calling 1-888-227-2423, or 269-961-5757.

(End of clause)

PART III
LIST OF DOCUMENTS, EXHIBITS, AND OTHER ATTACHMENTS

SECTION J - LIST OF ATTACHMENTS

Appendix A - Personnel Costs and Related Expenses

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PART III
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APPENDIX A
PERSONNEL COSTS AND RELATED EXPENSES

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Table of Contents

1. Introduction

This Personnel Appendix sets forth allowable cost by advanced understanding for the Contractor's human resource management policies and related expenses which have cost implications under the contract. This Appendix identifies those major cost areas deemed reasonable and allowable for reimbursement when incurred in the performance of the Contract work. This cost understanding is subject to all applicable provisions of the main contract.

The Contractor shall select, manage, and direct its work force and apply its human resource policies in general conformity with its private operations and/or standard industrial practice insofar as they are not inconsistent with this Contract. The Contractor shall use effective management review procedures and internal controls to assure that the cost limitations set forth herein are not exceeded, and that areas which require prior approval of the DOE Contracting Officer or designated representative are reviewed and approved prior to incurrence of costs.

Either party may request that this Personnel Appendix be revised, and the parties hereto agree to give consideration in good faith to any such request. Revisions to this Personnel Appendix shall be accomplished by executing Reimbursement Authorizations (DOE Form AD-36) as approved by the DOE Contracting Officer or designated representative. When revisions to this Personnel Appendix are agreed upon, revised pages will be issued reflecting such changes and will bear the effective date of such changes and the Reimbursement Authorization number in the upper right-hand corner of each page. The changes will be highlighted using "redline" feature or a similar word processing software feature.

This Appendix A is adopted for the exclusive benefit and convenience of the parties hereto, and nothing herein contained will be construed as conferring any right or benefit upon past, present, or future employees of the Contractor, or upon any other third party. Accordingly, neither this Appendix A nor any part thereof, as amended or modified, will be deemed to constitute a contract between a party hereto and any employee of the contractor or to be consideration for, or an inducement or condition of, the employment of any person, or to afford the basis for any claim or right of action whatsoever against a party hereto by any employee of the contractor or other third party.

The parties have agreed to increase the Contractor's latitude for managing overall personnel costs by eliminating many DOE approval requirements and holding the Contractor accountable for controlling and reducing total personnel costs. Nothing in this agreement precludes the government from making a future determination of unallowable costs based upon the test of reasonableness.

2. Definitions

Adjustment. A change in salary required to establish either internal or external equity.

Adjusted Rate, Adjusted Pay, or Adjusted Base Pay. The rate of pay per hour, per week, or per month, including any premium pay.

Average Rate. The rate which is determined by dividing the weekly straight-time pay by the number of hours worked during the payroll week when an employee works at more than one basic rate or more than one shift differential rate during a payroll week.

Basic Earnings. The amount obtained by multiplying the number of hours worked by the basic rate.

Basic Rate, Job Rate, or Basic Salary. Rate of pay per hour, per week, or per month, exclusive of any premium, but including any cost of living allowances (COLAs) established in any bargaining unit agreements established for each job classification in accordance with the approved wage and salary schedules.

Basic Workweek. A 40-hour workweek.

Change of Classification. The placement of an employee in a new classification due to reassignment without change in salary range.

Contractor. UT-Battelle, LLC.

DOE. The contracting officer or authorized representative of the contracting officer.

Demotion. The permanent placement of an employee in a lower-rated job classification.

Employee. A person hired by and working for the Contractor.

Exempt Employees. Executive, administrative, and professional employees who are exempt from certain provisions of the Wage and Hour laws. They are on the monthly or semi-monthly payroll.

Merit Increase. An increase in the salary of an employee within the established rate range of the job classification, which is granted consistent with the salary plan.

Overtime Pay. Payment (in addition to straight time) for any hours worked in excess of 8 hours in a 24 hour period or 40 hours within a payroll week for hourly and nonexempt salaried employees (or as otherwise agreed in advance and based on a 40 hour payroll week); and when applicable, payment for required hours worked in excess of 45 hours within a payroll week for eligible exempt salaried employees.

Nonexempt Employees. Employees who are covered under and are subject to the provisions of the Wage and Hour laws. They are on the weekly salaried or hourly payroll.

Payroll Day. The 24-hour period extending from midnight to midnight. Exception: Payroll day may vary from midnight to the established starting or ending time of the shift.

Payroll Week. Seven consecutive days (168 hours) extending from midnight Sunday to midnight Sunday. Exception: Payroll week may vary from midnight to the established starting or ending time of the shift.

Premium Pay. A payment in addition to straight time pay made for any reason other than overtime; for example, shift differential, week-end premium, etc.

Promotion. The permanent placement of an employee in a higher rated job classification due to an increase in the character or scope of his/her job assignment.

Reevaluation. A change of job level, up or down, through formal evaluation of an existing job.

Regular employee. Any full-time or part-time employee on the contractor's payroll, not in a temporary status.

Regular Rate. The straight-time rate at which the hours are worked, or the average rate for the week, whichever is greater.

Regularly Scheduled Shift. The normal hours of working time in each payroll day established for each employee by the Director Human Resources and Diversity Programs.

Straight-time Pay or Straight-time Earnings. Amount obtained by multiplying the number of units of time worked by the straight-time rate per unit of time.

Straight-time Rate. The rate of pay per hour, per week, or per month obtained by adding the applicable shift differential rate to the basic rate for the job classification assigned at the time the work is performed.

Termination. Quit, discharge, layoff, retirement, death, and/or removal from the payroll because of disability (as distinguished from disability absence where the employee is not removed from the payroll).

3. Pay Policies

3.1 Bargaining Unit Employee Compensation

a. The terms and conditions set forth in collective bargaining agreements (CBAs) and modifications thereto and established practices thereunder between the Contractor and recognized bargaining agents for its employees assigned to work under this contract (which involve expenditure of funds) constitute the allowable costs for bargaining unit members' compensation and benefits for reimbursement by DOE. The collective bargaining agreements, incorporated by reference, include those with the following bargaining agents:

ORNL	Atomic Trades and Labor Council AFL-CIO

Prior to the negotiation of a new and/or revised CBA, the Contractor will review its negotiation plan with DOE and obtain DOE approval of its cost parameters and/or subsequent changes thereto. Reasonable costs which arise from administration of or pursuant to CBAs shall constitute allowable costs. The specific approval of DOE shall be obtained in the case of unusual items. The contractor will provide to DOE copies of its CBAs as they are entered into or modified and will keep DOE informed as far in advance as practicable of significant labor developments which are potentially precedent setting, may involve high cost, or potential work stoppages.

3.2 Nonrepresented Employee Compensation

3.2.1. Policy/Objectives

The Contractor will implement a compensation program to attract, motivate, retain, and reward a competent work force to effectively accomplish the performance of work under the Contract at a reasonable cost to the government. Professional compensation methodologies and best business practices will be used in the management of the compensation program. Compensation costs will be managed consistent with the Contractor's prevailing operating budget and budget forecast.

3.2.2 Salary Administration

The Contractor shall:

a. Implement a compensation system with the following components:

(1) Market policy for exempt salary structures and base salaries which seek to match average salaries in the competitive market at the beginning of the plan year.

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(2) Market policy for nonexempt salary structures and base salaries which seek to match average salaries in the competitive market at the beginning of the plan year.

(3) A job evaluation system for establishing appropriate job worth hierarchy.

(4) A performance management system that supports a pay-for-performance compensation philosophy.

(5) System for developing a compensation plan.

(6) System for planning and controlling compensation expenditures and evaluating the effectiveness of the program.

(7) System for documenting job content.

(8) System for communicating the compensation program to employees and managers.

b. Obtain DOE approval prior to changing compensation system component numbers 1-above.

c. Obtain DOE approval on the salary surveys and survey participants used for market comparisons.

d. Develop a Salary Increase Plan (SIP) annually, if appropriate, for the expenditure of funds that is consistent with the company's market policy, ability to pay, and relevant economic data, and obtain advanced DOE approval of this SIP.

The SIP will include the following:

(1) Analysis of salary survey data and contractor's market position for salary structures and base pay levels. Comparison of average pay and salary range midpoints to market average pay for benchmark positions.

(2) Identification of needed funds by payroll groups expressed as a percentage of the appropriate base payroll for the end of the previous plan year. All components will be identified therein, e.g. merit, promotion, adjustment, lump sum, etc.

Unexpended portions of the SIP for one salary year are not carried into the succeeding salary year. All pay actions granted under the SIP are fully charged when they occur regardless of time of year in which

the action transpires and whether the employee terminates before the year end (commonly called recovery).

(3) The Contractor will evaluate major changes occurring in a given year, such as significant reduction in Contractor employment levels and adjust the SIP if appropriate.

(4) Assessment of contractor's financial condition to determine affordability of increasing compensation costs.

(5) Communication materials and tools for supervisors to help them plan salary actions to manage base salary relationships and pay for performance.

(6) Submit an annual expenditure report, DOE F3220.8, to include breakouts for merit, promotion, adjustments, lump sums, and structure movement for each payroll showing actual against planned amounts.

e. Assure no catch up occurs for monies saved as a result of the Secretary of Energy's 1994 salary freeze in accordance with prior DOE direction.

3.2.3 Approval of Individual Compensation Actions

The Contractor will submit annually proposed individual salary actions for Laboratory Director and Deputy Laboratory Director positions for approval by DOE.

3.2.4 Other Pay Provisions

a. Overtime

(1) Annually the Contractor will discuss with DOE, and when necessary or requested, develop and submit to DOE an overtime plan forecasting the overtime necessary to meet known work requirements. Overtime will be managed to provide for the safe and cost-effective utilization of human resources and efficient conduct of business. Performance will be reported to the DOE on an annual basis.

(2) Nonexempt salaried employees may be paid for overtime hours worked on the same basis as employees within the bargaining units defined in Section 3.1.

(3) Exempt salaried employees are eligible for either straight time pay or compensatory time off when required to work at the direction of their management in excess of 45 hours per week, as follows:

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a. Employees in ladder/band AP 1-3, TP 1, and RP 1 are eligible for straight time pay.

b. All exempt employees, except those eligible for incentive compensation, are eligible to earn compensatory time off at the rate of one hour earned for two hours worked. Individual compensatory time may not exceed 80 hours annually.

c. Casual overtime will not be paid.

(4) Employees in a capacity of supervisor may receive additional compensation when required to work extensive additional hours which result in serious inequities with other employees in the same work group.

b. Other Supplements

(1) Pay practices may apply to nonexempt salaried employees to the maximum allowable consistent with collective bargaining agreements for the following benefits:

Call-in Allowance	Report for Work
Change in Working Schedule	Saturday and Sunday Work
Holiday Pay Shift	Differential
Lunch Periods	EMT Premium
Meal Allowances	Licensing Payments
Overtime and/or Premium Pay	

(2) Saturday and Sunday Work—An exempt salaried employee who works on Saturday as part of the regular schedule may receive an additional fifty cents per hour for such work, unless such work is part of an extended work week.

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07/09/2004

An exempt salaried employee who works on Sunday as part of the regular schedule may receive an additional one dollar per hour for such work, unless such work is part of an extended workweek. These payments may not be included in earnings when calculating the employee's participation in the various benefit plans.

(3) Meal Allowances—An exempt salaried employee may be paid a meal allowance to the maximum allowable consistent with bargaining unit agreements set forth in Section 3.1.

(4) EMT Premium—An exempt salaried employee who is required by the company to carry the EMT Medical Technician Certification may be paid a premium consistent with that paid under bargaining unit agreements listed in Section 3.1.

(5) Licensing Payments—Where required to perform specific jobs in nuclear reactor operations related positions, a licensing payment for nuclear reactor controllers and related licensed positions is an allowable cost as long as the total compensation remains reasonable as supported by market data. Licensing payments discontinue upon failure to receive the required periodic re-licensing.

c. Salaried Employees—Part Time Employment

Part-time employees may be hired regardless of the salary ranges that are to be used. Compensation, determined by time actually worked, will be calculated on the same basis as for full time, salaried employees at a rate comparable to that paid to regular employees in similar assignments. All part-time employees are considered nonexempt for overtime purposes consistent with Fair Labor Standards Act regardless of job classification.

Part-time employees may participate in the following plans and activities:

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09/01/2002

Company Service Credit	Pension Plan
Group Insurance	Safety Programs and Awards
Holiday Pay (if working)	Savings Plan
Jury Duty (scheduled workday)	Shift Differential
Layoff Allowance	Travel
Occupational Disability	Vacation Plan
Overtime Premium	Voting
Educational Assistance	

The cost of group health insurance premiums for part-time employees working 50 percent or greater is the same as regular employee premiums. Part-time employees working less than 50 percent will pay the regular employee premium plus 50 percent of the company's premium for health insurance. The cost of group life insurance will be the same as regular employee premiums for all part-time employees regardless of the hours worked. Vacation eligibility is prorated on the basis of total hours worked as a percentage of the regular schedule during the prior year (hours worked divided by 2080 hours). Part-time employees are eligible to convert to full-time status when management deems the change to be in the best interest of work performance under the Contract.

d. Shift Differentials—Exempt Employees

Exempt salaried employees assigned to shift work will receive shift differential as follows:

(1) Employees assigned to the standard rotating shift schedule may receive up to $130 a month.

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07/09/2004

(2) Employees assigned to the 4 p.m. to 12-midnight shift or any variation of this shift, may be paid up to $120 per month.

(3) Employees assigned to the 12 midnight to 8 a.m. shift or any variation of this shift, may be paid up to $220 a month.

(4) Employees assigned to a rotating shift other than the standard rotating shift will be paid a combination of the appropriate differentials based on the percent of time worked on each shift.

(5) Employees assigned to an irregular shift may be paid the differential for the shift on which more than 50 percent of the hours were worked. If time is equal, the highest rate may be used.

e. Holiday Pay

Hourly employees will be paid in accordance with collective bargaining agreements listed under paragraph 3.1 of this Appendix. Salaried employees working on scheduled holidays may be given holiday pay when schedules and contract requirements necessitating work to be scheduled on company observed holidays (which are listed under paragraph 4.2 of this Appendix). Holiday pay is paid at the rate of 2 1/2 the employee's adjusted rate for nonexempt employees and 2 times the employee's adjusted rate for exempt employees in ladder/band AP 1-3, TP 1, and RP 1 and below. Exempt salaried employees above ladder/band AP 1-3, TP 1, and RP 1 are not eligible for a holiday pay premium.

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3.3 Severance Pay

3.3.1 Severance Pay Benefit

a. General

Severance pay is payable to an employee who has three months or more of Company Service Credit and who is laid off on account of lack of work—unless the layoff is caused by a temporary suspension of work or the employee was hired for intermittent or casual work or as a temporary worker for a limited time or for a specific project.

If the Contractor reemploys an employee after having been paid a severance payment, Company Service Credit for any subsequent severance payment consideration shall start from the date of such reemployment. If any individuals are reemployed by the Contractor prior to the end of the period covered by the severance pay (e.g., received 20 weeks severance pay, but reemployed after 15 weeks), the difference must be refunded.

No severance pay is paid to employees who terminate their employment voluntarily, who are discharged, or who resign by Contractor request, except for:

(1) Medical reasons (i.e., those terminated due to contractor determination of mental or physical inability to perform available work).

(2) Voluntary Reduction in Force (VRIF) Programs: Situations wherein a reduction in force is necessary in an employee unit and an employee volunteers with Contractor consent to be laid off in the reduction in force in place of another person. All VRIF programs require prior DOE approval.

b. Amount of Severance Pay

Severance pay will be calculated on the basis of the employee's basic rate in effect at the time of layoff (including extended hours' pay, if any, but excluding all overtime premium or shift differential) and may be paid in accordance with the following schedules:

(1) Hourly Employees

Refer to the terms and conditions set forth in the applicable collective bargaining agreements listed in section 3.1.a of this Appendix for allowable costs.

(2) Salaried Employees

Company Service Credit	Severance Pay
Under 3 months	No pay
3 months and under 1 year	Same proportion of 1/2 month's pay as completed months of service are of 12 months
1 year and under 3 years	1/2month's pay
3 years and under 5 years	3/4 month's pay
5 years and under 7 years	1 month's pay
7 years and under 10 years	1-1/2 month's pay

10 years	2 month's pay
11 years or more	Same for 10 years, plus 1/4 month for each additional year of service

c. Special Severance Programs

RA09
12/01/2003

Severance Pay may be paid to employees accepted by management for participation in a self-select Voluntary Separation Program (VSP) offered by Contractor and who execute a general release and waiver of claims. Contractor may, with prior written approval by the Department, offer a VSP when, in its discretion, it determines that there are excess personnel in particular employee classifications due to reduced funding or scope of work, that cost reductions are necessary, or for other business reasons, and that a voluntary separation is preferable to an involuntary reduction. Severance payable under a VSP will be no less than that payable under subpart b. above, but may exceed that amount. The terms and conditions, including the amount of severance to be paid, of any proposed VSP requires written approval of the Contracting Officer.

3.3.2 Replacement Employer

Severance pay benefits are not payable when an employee is employed by or receives an offer of employment with a replacement contractor where continuity of employment with credit for prior length of service is preserved under substantially equal conditions of employment.

4. Benefit Programs and Policies

The employee benefit plans, and related cost, described in this section are approved by DOE for application to employees working on this Contract and are reimbursable. In addition, retirees of this Contractor or the predecessor Contractor have limited coverage of these benefits.

The benefit programs will be designed and administered to attract, retain, and motivate competent and productive staff. The programs will be competitive with labor markets from which employees are recruited, cost effective and in compliance with applicable laws and regulations.

Refer to the terms and conditions set forth in applicable collective bargaining agreements listed in this Appendix A, Section 3.1.a for allowable costs for hourly employees.

Contractor benefit programs will be designed and administered to attract, retain, and motivate competent and productive staff to support the DOE missions. In order to determine reasonableness of cost, the Contractor will:

a. Conduct a benefits value study (market assessment) every 2 years to evaluate the relative value of the overall benefits package.

b. DOE and the contractor will mutually agree on the companies to be used in each benefits value study. DOE will receive a copy of the study.

c. The contractor's net benefit value will be managed so as not to exceed the average net benefit value (from the benefits value study) with appropriate consideration for the financial health of the organization and the reasonableness of the total compensation package.

d. All changes to the contractor's benefit programs will be approved by the DOE.

4.1 Company Service Credit

Company and Credited Service can be restored to employees in accordance with the Contractor's Company and Credited Service policies. Policies will be administered consistently in accordance with applicable laws, and corporate rules.

a. In order to facilitate the retention of certain critically skilled employees within the DOE management and operating, performance-based management, and environmental restoration and management contractor workforce systems, the Contractor may recognize (for the purpose of establishing appropriate vacation benefits) prior service credit earned while employed in the DOE system provided all the required criteria contained in Acquisition Letter 94-19 is met. The Director Human Resources and Diversity Programs must approve any grant of vacation credit.

b. When an individual is transferred to the service of the contractor from the DOE or from one of its contractors because of a DOE approved transfer of a function to the Contractor, such employees may be granted Company Service Credit for all of such previous DOE contract-elated service provided that:

(1) the individual's service with the previous employer is essentially continuous with the time of transfer to the Contractor;

(2) the Company Service Credit thus allowed does not entitle the employee to buy back interest in employee benefits such as the Retirement Plan, but is limited to possible increased future benefits such as, but not limited to, vacations, non-occupational disability allowances, and layoff allowances; and,

(3) in all other respects the Company Service Credit will be allowed in accordance with the Contractor's Company Service Credit Rules.

c. UT-Battelle employees transferring directly from Battelle companies or the University of Tennessee will retain their Battelle or University of Tennessee hire-in or seniority date for the purposes of vacation eligibility, savings plan and pension plan vesting.

RA02
06/05/2001

d. When an individual is hired on or after April, 1, 2000, who has previous Company Service with employers participating in the UT-Battelle and BWXT Y-12 Multiple Employer Pension Plan (MEPP), Company and Credited Service may be restored to that employee in accordance with the Contractor's Company and Credited Service policies. The Company Service Date will be used for all benefits in which eligibility is based upon company service.

For active employees who are moving between MEPP employers as a result of an involuntary event (i.e., voluntary reduction in force, scope of work transfer, recall), all vacation accrued to date will transfer with the employee.

For active employees who are moving between MEPP employers as a result of a voluntary event (i.e., voluntary quit to accept new position), all vacation accrued to date will be paid out by the losing employer. If the vacation was earned under the Vested Vacation Plan (pre-996), the employee will not be eligible for additional vacation until January 1 of the following calendar year. If the vacation was earned under the Vacation Accrual Plan, then accrual rules will apply.

4.2 Holidays

The Contractor observes the following holidays during the calendar year.

New Year's Day
Martin Luther King, Jr. Day
Good Friday
Last Monday in May
Independence Day
Independence Day Associated
(or other day determined by the contractor)
Labor Day
Thanksgiving Day
Friday after Thanksgiving
Christmas
Associated Christmas

4.3 Short Term Disability Pay for Salaried Employees

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08/01/2004

Under the contractor's absence control program, a system to assure appropriate administrative actions are taken in a timely manner based upon medical evidence is implemented to assure reasonable sick leave usage and management of the Disability Allowance Program for both non-occupational and occupational disabilities.

For absences of four or more days, the benefit amount will be 100 percent of pay for the first 6 weeks of disability, then 80 percent of pay for the next 6 weeks, and 60 percent of pay for the remaining 14 weeks, limited to the duration of benefits based on Company Service Time as follows:

Company Service Time	Duration of Salary Continuation
One month but less than two months	One month
Two months but less than three months	Two months
Three months but less than four months	Three months
Four months but less than five months	Four months
Five months but less than six months	Five months
Six or more months	Six months

Benefit payment for short-term disabilities will be on a per disability basis. Ordinarily, benefit payments during short-term disabilities will be made at the employee's adjusted rate. Any "loss-of-earnings" payments received, such as Workmen's Compensation Benefits in cases of occupational disability, will offset the continued payments of salary.

4.4 Vacations

a. The cost of salaried employee vacations taken in accordance with the established vacation plan is allowable.

b. Eligible employees are strongly encouraged to use at least 80 hours of vacation each year.

Hire Date	Vesting/Accrual Schedule	Eligibility Credited Service	Vacation Hours	Banking Maximum
Prior to 1-1-96	Upon attainment of actual service during the 1st year. On December 31st thereafter	6 months	40	None
		1–4 years	80	None
		5–9 years	120	240 hours
		10–19 years	160	240 hours
		20 years and over	200	240 hours
		*30 years and over	*240	240 hours
On or After 1-1-96	Accrual monthly	6 months	40	None
		1–4 years	80	None
		5–9 years	120	200 hours
		10–19 years	160	200 hours
		20 years and over	200	200 hours

*Only employees with 15 years or more Credited Service years prior to 1-1-96 receive 240 hours.

4.4.1 Vacation Payments

a. An hourly employee who is deprived of a vacation at the end of the year due to a short-term disability, through management action, or because of unusual working conditions may receive payment for such vacation in addition to regular pay. A salaried employee similarly deprived of a vacation will receive equivalent time off in the following year unless the contractor authorizes payment for the vacation.

b. An individual may be paid for unused vacation at the time of termination

4.4.2 Vacation Exceptions

The Director Human Resources and Diversity Programs has authority to change vacation entitlement in two ways:

(1) by rolling entitlement from one year to the next where work schedules did not permit the employee to use the vacation and banking is not available; or

(2) by granting up to two weeks of additional vacation eligibility on an exception basis to select new employees when, in the opinion of the Contractor, such an extraordinary entitlement is necessary to successfully hire the senior, critical, or key employee. In such exceptional cases, the individual would be eligible for either three or four weeks of vacation each year as authorized by the Director Human Resources and Diversity Programs until their company service would deem them eligible for more vacation.

4.5 Leaves of Absence

4.5.1 Personal Leave

Salaried employees may be granted time off with pay for personal commitments which cannot be handled except during working hours and for tardiness due to severe weather conditions and similar occurrences which temporarily prevent the employee from reporting to work. The amount of time is limited to a maximum of 40 hours per calendar year. The Director Human Resources and Diversity Programs may authorize up to an additional 40 hours for extenuating circumstances.

a. Personal leave is any excused absence which results in fewer hours worked than normally scheduled, and which is not granted as compensation for unpaid overtime worked or is not made up with overtime. Salaried employees may be excused from work for extenuating personal circumstances, such as serious illness in the immediate family, appearance in court as a witness other than for the contractor or DOE, or any similar circumstance which in the opinion of the Contractor warrants an excused absence and will not interfere with the Contractor's operations. Granting personal leave shall be prudently controlled, and vacation will be used for most personal circumstances, such as marriages, graduations, and similar occasions. The contractor shall maintain a system for approval and tracking of Personal Leave usage.

b. Personal leave with pay is at the employee's adjusted salary rate.

c. Hours paid for under the provisions of this policy do not count as hours worked toward Overtime and/or Premium pay.

4.5.2 Leave of Absence Without Pay

An employee may be granted a leave of absence without pay, of any duration, by the contractor provided the absence will not interfere with the Contractor's operations or create any conflict of interest. Continuation of benefits during leave of absence without pay will be administered according to the Contractor's leave of absence policy.

a. Granting of company service for the full period of the leave (not to exceed 3 years) and restoration of vacation eligibility immediately upon return to work may be provided for employees who return to work from:

   (1) Leaves granted when it is in the company's interest to make an employee's expertise or services available to DOE, another DOE contractor, another government agency, or to work-related agencies

such as the International Atomic Energy Agency (Vienna), or the Center for Study of Communicable Diseases (Atlanta).

(2) Entrepreneurial leaves granted to accelerate technology start up based on DOE developed technologies.

b. Continuation of company service credit and/or immediate restoration of vacation upon return to work for any leave without pay other than those listed above require prior DOE approval if the leave exceeds 180 days.

4.5.3 Paid Educational/Sabbatical Leave

a. Salary continuation and benefit costs will be allowable for the granting of paid educational/sabbatical leaves for the following purposes:

(1) To obtain advanced degrees in fields of study, which, in the opinion of the contractor, will further the DOE mission.

Such leaves may be approved for a cumulative duration not to exceed 24 months per individual.

(2) To teach or perform research at an accredited college, university or research institute.

Such leaves may be approved for a cumulative duration not to exceed 12 months per individual.

Salary continuation shall be offset by compensation received from the college, university or research institute.

b. No more than 4 individuals may be on paid educational/sabbatical leave at any given time.

c. The leaves require approval by the Director Human Resources and Diversity Programs.

d. If the employee does not return to active work after the approved leave period, the employee will be required to pay back the salary continuation and benefits costs received during the leave.

e. If the employee voluntarily leaves the Contractor’s payroll prior to working three years after returning to active work, the employee will be required to pay back the salary continuation and benefit costs on a prorated schedule based on the amount of time they have been back on the contractor’s payroll.

f. No educational assistance, travel or relocation expenses will be paid to employees on these leaves of absence with pay.

4.6 Jury Duty

An employee who is called for jury duty will be protected against loss of pay for the period of time needed to fulfill the obligation.

Employees will be paid their adjusted rate of pay for the regular day. Hours paid for under this policy will count as hours worked by salaried and hourly employees in the calculation of Overtime and/or Premium Pay.

4.7 Death Benefits—Salaried Employee Payments

In case of death of a salaried employee, salary payments may be continued until the end of the month following the month in which death occurs.

4.8 Military Service, Training, and Emergency Duty

Military service, training and emergency duty policies are administrated in accordance with applicable laws contractor policies and procedures.

An employee will be granted a leave and protection against loss of pay for required military training and emergency duty. Such payments are limited to a maximum of two weeks per year (or four weeks every two years) for training and one month per year for emergency duty at the employee's adjusted rate.

An employee also may be paid for absences from work when required to register or take a physical examination required for entry into the armed forces.

4.9 Community Service

4.9.1 Civic Leave

Employees holding elected federal, state, or local government office may be permitted to utilize a reasonable period of working time with pay to carry out responsibilities which are required by the office and cannot be handled outside working hours.

4.9.2 Civil Defense/Emergency Preparedness Exercises

Employees who have volunteered and have been accepted by a local Civil Defense Organization to participate in community or national defense alert operations or in Civil Defense/Emergency Preparedness training may be excused from work for such participation without loss of pay for scheduled hours of work.

4.9.3 Election Officials

An employee who has been officially appointed to serve as an election officer, judge, or clerk may be excused from work without loss of pay for the period of time necessary to serve in such capacity.

4.9.4 Voting Time

Employees may be excused from work without loss of pay for the minimum time needed to vote in a national, state, county, or municipal election consistent with state laws.

4.10 Group Insurance Plans

The Contractor will be reimbursed for all cost incurred in implementing, administering, and funding comprehensive group insurance plans. Initial implementations or substantial changes to these plans require DOE approval. The features of these plans are set forth in policies and summary plan descriptions, a current copy of which will be provided to DOE. These plans will be administered consistently in accordance with Plan Documents, insurance contracts, applicable laws and fiduciary responsibilities.

The Contractor will periodically review the Plans to assure plan designs represent good business practices regarding the incorporation of cost containment features, and to assure the overall benefit package is reasonable from a total compensation perspective.

Plan	Current Contractor Cost
Group Life Insurance	Active salaried employees, retirees under 65–50% of full cost for basic life.
Medical Expense including Prescription Drug and Vision Plans	Active employees—as approved by DOE effective January 1,2004 Retirees (with greater than 10 years full time service)—75% of full cost
Major Medical Medicare Supplement Plan	Retirees (with greater than 10 years full time service)—50% of full cost
Dental Expense Assistance Plan	Active employees— as approved by DOE effective January 1,2004 Retirees under 65—75% of full cost effective July 1, 1996
Travel Insurance	100% of full cost
Special Accident Insurance Plan	0—fully paid by employee
Long Term Disability Plan	100% of full cost for replacement income—60% of salary
Medical and Dependent Care Flexible Spending Accounts	Administrative Cost only

RA10
08/01/2004

* This table will be revised to reflect approved benefit plan changes when determined.

4.10.1 Benefits Programs for Displaced Workers

a. The cost of medical plan coverage for contractor employees who have separated from employment, excluding those terminated "for cause," will be reimbursable from the date of separation provided the employee was:

(1) On the employment rolls and voluntary or involuntary separation on or after September 27, 1991, as a result of the implementation of a work force restructuring plan requested by the Secretary of Energy; and,

(2) eligible for medical insurance coverage under the contractor's plan at the time of separation; and,

(3) not eligible for coverage under an employer's group health plan or Medicare since the time of separation.

b. Retirees eligible for medical coverage under the Contractor's health plan will not be eligible for coverage under Section 3161 of the National Defense Authorization Act of 1993.

c. Benefits for displaced workers contained in a Workforce Restructuring Plan, developed pursuant to the National Defense Authorization Act of 1993, are reimbursable to the extent that a specific description of each benefit with supporting information and detailed projected costs has been reviewed and approved in advance by DOE, for inclusion in the Plan.

4.11 Pension and Savings Plans

The Contractor will be reimbursed for all costs incurred in implementing, administering, and funding the above plans. Initial implementations or substantial changes to these plans require DOE approval. The features of the Pension and Savings Plans are set forth in plan descriptions, current copies of which will be provided to DOE. These plans will be administered consistently and in accordance with applicable laws, Internal Revenue Service code, Plan Documents, and fiduciary responsibilities.

The Contractor will periodically review the Plans to assure that the plan design meets Contractor objectives to provide income replacement value consistent with industry standards, and to assure the overall benefit package is reasonable and competitive from a total compensation perspective. The contractor cost of these plans is included in the table below:

Plan	Contractor Cost
Pension Plan	100% contractor paid
Savings Plan	100% match up to 2% of pay 50% match up to 4% of pay (4% of total pay)

4.11.1 Reports

The Contractor will submit copies of actuarial valuation reports (prepared by the Contractor's actuarial consultants), a copy of IRS Form 5500 with schedules as submitted to IRS, and other financial or accounting reports developed or required in connection with the DOE reimbursed Pension and Retirement Plans.

4.11.2 Non-Qualified Pension Plans

Non-qualified Pension Plans implemented solely to replace the reductions in the Pension Plan benefit due to limitations imposed by Sections 415 and 401(a) 17 of the Internal Revenue Code are reimbursable under this contract. These plans will provide employees with benefits provided under the formulae expressed in the contractor's Pension plan and does not provide any additional benefit absent the Internal Revenue Code limitations. These benefits will be funded on a pay-as-you-go basis.

4.11.3 Incentive Compensation

The inclusion of performance-based Incentive Compensation (IC) in pensionable earnings is an allowable cost with the following restrictions:

RA03
04/01/2000

a. The normal cost to the pension plan will not exceed $35,000 per year.

RA04
10/01/2001

b. No more than 18 active employees will be covered by IC at any one time.

c. UT Battelle, LLC, will not exceed either the dollar amount or number of employees covered without prior written approval of the Contracting Officer or designee.

Note: The above Incentive Compensation excludes individuals covered under the SNS Human Resources Working Group Report. The approved Report addresses incentive compensation for the SNS project.

4.11.4 Contract Termination/Expiration

The contractor shall not terminate any benefit plan without DOE approval. All costs for claims arising from defined benefit plans and post-retirement life, medical, and other benefit liabilities for active and retired employees are obligations of the government. It is the intention of DOE not to entertain any enhancements in these programs after the contractor announces the intention not to renew the contract. At the termination or expiration of this contract, the contractor's obligations to employees and retirees for these plans shall be relieved and indemnified by the government as described below:

a. Defined Benefit Plans

(1) If the contract terminates or expires and there is a replacement contractor, all assets and liabilities shall transfer to the replacement contractor, and the contractor shall be relieved of, and indemnified by DOE, against any and all liabilities arising from such plans.

(2) If the contract terminates or expires and there is no replacement contractor, the plan shall be terminated in accordance with the provisions of ERISA and the Internal Revenue Code (IRC). Annuity purchase bids will be solicited from a minimum of five of the ten largest insurance companies whose AM Best rating is A+ and who are currently quoting pension plan termination annuities. After all obligations for all liabilities (as defined in IRC 1.414(1)) of these defined benefit plans have been fully funded, as well as any related tax liability of the corporation, any remaining assets shall be returned to the DOE. If the assets are insufficient to cover pension obligations, DOE shall provide additional funding to cover such obligations.

(3) If the plan terminates before the contract terminates, the definition and disposition of assets and liabilities shall be as specified in paragraph (2).

(4) Under the scenarios described in paragraphs (1), (2), and (3), the contractor shall actively manage all assets until the date of settlement. Such management shall include protection of principal if appropriate.

b. Defined Contribution Plan

Upon contract termination, individual employee accounts in the defined contribution plan shall be handled in accordance with the provisions of ERISA. Any unallocated funds (e.g., suspense accounts) shall be returned to the DOE.

c. Post-Retirement Life and Medical, and Other Benefit Obligations

(1) If the contract terminates and there is a replacement contractor, all assets and liabilities shall transfer to the replacement contractor, and the contractor shall be relieved of, and indemnified by DOE, against any and all further liabilities arising from such plans.

(2) If the contract terminates and there is no replacement contractor, DOE will make available to the contractor in a timely manner sufficient funds so that the contractor has no out-of-pocket expenditures from corporate funds to cover all liabilities incurred under this contract related to Contracting Officer-approved employee welfare benefit

plans (including but not limited to medical, life, and workers' compensation). If so requested by DOE at the time of contract termination or expiration, the contractor will continue as the sponsor of these plans until all liabilities of such plans are discharged.

d. Taxes and IRS Penalties

If contractor action or inaction regarding plans approved by the Contracting Officer results in a tax or other IRS penalty, the contractor shall pay it from corporate funds.

If DOE action or inaction regarding plans approved by the Contracting Officer results in a tax or other IRS penalty, the contractor shall pay it from DOE funds.

4.12 Employee Assistance Program

The Contractor will provide for an Employee Assistance Program consistent with the Drug Free Workplace Act of 1988. This benefit will be administered in accordance with the contract between the contractor and the EAP vendor. Periodic internal reviews will be conducted to assess cost/benefit of program delivery.

4.13 Funeral Leave

In the event of the death of a member of the employee's immediate family, a salaried employee may be granted leave with pay for up to four days.

4.14 Decision Making Leave

Time off with pay for a decision making leave under the Contractor's discipline program is allowable

5. Employee Programs

5.1 Education and Training

a. Cooperative Educational Program

The Contractor may provide temporary employment opportunities for students under the cooperative education and student intern programs.

b. Educational Assistance Program

The Contractor may provide financial assistance to eligible employees who engage in educational activities in order to establish, maintain, or upgrade skill required by the Contractor. Eligible employees must satisfactorily complete courses of study to be eligible for assistance. Educational assistance may include payment for tuition, textbooks, and fees. Payment may also be made for proficiency testing, which results in the granting of academic credit or is otherwise required by the school.

Regular work hours may be rescheduled to attend classes provided that there is no significant reduction in the employee's productive contribution caused by the rescheduling. Reduction of work schedules, with appropriate reduction of pay, and leaves of absence may be granted to facilitate course completion where deemed beneficial to pay for work under the Contract. Employees participating in Educational Assistance Program may use facilities, equipment, and services in support of their studies if approved by management.

c. University Program Participation

The Contractor may permit a rescheduling of regular work hours or a reduction in the work schedule and corresponding reduction in pay for Contractor employees who are engaged in teaching, planning, or general management at local colleges or universities.

d. Training

The Contractor may conduct or permit employees to attend training programs and courses that are based on training needs assessments. These training courses should contribute to the performance of work under the contract and be provided at reasonable costs to the government.

e. Benefit Plans Participation

Employees working on a reduced workweek schedule under 5.1.b and c will be permitted to participate in all employee plans, based on their full regular salaries and the continuation of full Company Service Credit.

5.2 Employee Recognition and Memberships

The costs of employee recognition programs and organizational and individuals memberships are allowable based on a budget formula not to exceed 1/4 of 1% of base payroll on September 30 of the prior fiscal year. Program costs include the following:

a. Company service awards for achieving service milestones consistent with the Corporate service awards program.

b. Safety awards and recognition to promote health and safety.

c. Awards, recognition, and celebrations for participating in management initiatives, special achievements, retirement, and similar activities to the extent that they are reasonable and consistent with industry practice.

d. The costs of organization and employee memberships in trade, business, and technical organizations necessary for effective performance of work under the contract provided they are reasonable and do not constitute payments for, or in support of, partisan and political (lobbying) activity.

5.3 Patent Awards

RA06
10/01/2002

The cost of cash awards to inventors of patented technologies, authors of copyrighted works, and creators of mask works or copyrighted computer software which benefit the objectives of the Contractor and DOE are allowable. Program costs include the following:

a. Cash Awards of $750 may be made to each inventor (or each co-inventor) for each invention, upon issue of the patent by the U.S. Patent and Trademark Office. The maximum award amount for team awards is $5000 per invention.

b. Cash Awards of $100 may be made to each author (or each co-author) of each trademark, upon issue of the trademark by the U.S. Patent and Trademark Office. The maximum award amount for a team of co-authors is $250 per trademark.

c. Cash Awards of $500 may be made to creators of mask works or copyrighted computer software (other than scientific and technical articles) created, authored, conceived, or first reduced to practice within the scope of their employment, upon filing of the copyright or mask work registration for which the Contractor has asserted copyright for the purpose of registration and commercialization through licensing. The maximum award amount for a team of co-creators is $3000 per copyright or mask work registered.

6. Travel and Relocation

a. The Contractor may pay transportation, lodging, meals, incidental, relocation, and other expenses for employees or other persons required to travel or move in conjunction with the performance of work under this contract. Allowable costs for travel and relocation include costs according to applicable provisions of the FAR and DEAR, the Federal Travel Regulations, and the Internal Revenue Service auto allowance. The Contractor may deviate in specific instances where it is determined to be economically advantageous to the DOE and to the extent such deviations conform to pertinent regulations and law. The Contractor will maintain records based on its determinations to deviate in specific instances sufficient for audit review.

b. When the Contractor requires employees to work at locations of significant distance from their regular assignment, on a temporary or permanent basis, geographic pay allowances may be appropriate. The intent is to keep employee's compensation and standards of living reasonably whole so that they suffer neither a significant financial loss nor gain because of the assignment.

c. Relocation costs are those costs incident to (1) the permanent change of duty station of an existing employee and (2) the recruitment of a new employee.

d. Costs incurred in the recruitment of personnel consistent with applicable provisions of the DEAR and FAR and Federal Travel Regulations are reimbursable.

7. Miscellaneous Policies

7.1 Participation in Association Activities

Cost incurred as a result of participation in the activities of technical, professional, and business methods associations will be allowed, as long as reasonable and necessary for the performance of effective work under the contract.

7.2 Licenses and Fees

The costs of required licenses, fees, and similar costs to certify and maintain employee qualifications to perform work under the contract are allowable. The Contractor will closely manage and control the number of licenses/fees to limit reimbursed costs to provide a sufficient number of qualified employees to reasonably perform the affected work under the contract.

7.3 Personnel Borrowed

The cost associated with Battelle company or University of Tennessee employees not working for UT-Battelle borrowed for incidental work under this contract is reimbursable. Reimbursement for the time such employees work under this contract will be allowable in accordance with the home operating unit's disclosed costing practices. Time worked under this contract will include the time spent by employees en route to and returning from the site of work. Travel cost of such borrowed personnel will be allowed on the same basis as for employees working on the contract.

7.4 Personnel Loaned

The Contractor may loan, at no cost to the government, individuals working under this contract to other operations as long as it does not interfere with the performance of contract work. Each loan arrangement will be reviewed to assure no conflict of interest and will be approved by the cognizant UT-Battelle Director. A cumulative report showing all employees loaned, along with the total days loaned and services provided, will be submitted to the DOE annually.

7.5 Personnel Support Activities

RA05
01/16/2002

The Contractor will be reimbursed for costs for activities incidental to the promotion of morale, welfare, health, and safety of employees, such as employee publications; health and first aid clinics; a fitness center; net costs of in-plant food services (operated on a break-even basis); employees time to promote employee participation in Blood Drives, U.S. Savings Bonds and United Fund campaigns; and other similar activities which may be sanctioned by the Contractor.

7.6 Protective Clothing

Employees who are required or allowed to wear special clothing, shoes and protective equipment for various reasons such as safety, housekeeping, protection from harmful chemicals or radioactive contamination, guard exercise clothing, etc., are furnished such items at no cost to the employees. Cost of providing and laundering of such special clothing are allowable costs. Safety glasses or goggles and safety shoes other than those furnished by the Contractor (one pair of which may be sold to any employee once every two years at $8 less than cost per pair in an attempt to prevent off-the-job lost-time accidents) are also allowable costs.

7.7 Security Suspension Pay

a. If the access authorization of an employee is suspended by direction of the Manager, Oak Ridge Operations Office, the Contractor shall transfer the employee to perform work not requiring access if such work is available. If a determination is made by the Contractor that no work is available in an uncleared area to which the employee may be transferred, the Contractor shall prepare a written report for the review and concurrence of DOE, setting forth the reasons for the determination. Subject to DOE's concurrence with such determination, the Contractor shall place the employee on leave with pay at the employee's current base compensation until the employee is notified in writing of the Hearing Officer's recommendation. If the Hearing Officer recommends revocation of access authorization the employee shall be placed on leave without pay. If the Hearing Officer recommends continuation of access authorization payment of the base wage shall be continued until final disposition of the case under Department procedures, 10 CFR Part 710.

b. In the event the employee whose access authorization has been suspended is transferred to another position where such access authorization is not required, compensation shall, thereafter, be the base wage or salary received by the employee on the position from which transferred, and such compensation shall continue until the employee is notified in writing of the Hearing Officer's determination. If the Hearing Officer recommends revocation of access authorization, compensation will be adjusted to the rate applicable to the job being performed.

   If the Hearing Officer recommends continuation of access authorization, the base wage previously received shall be continued until final disposition of the case under Departmental procedures, 10 CFR Part 710.

c. If at any stage of the access authorization procedure following a suspension, the employee's access authorization is reinstated and returns to work in the same or comparable position, the employee shall be reimbursed for net loss of base earnings during the period of suspension.

7.8 Business Expenses

The following expenses to the extent reasonable and which contribute to the effectiveness of the Contractor's work under the contract will be allowable:

a. Booklets and pamphlets describing the capabilities of the Contractor, e.g., operational, financial, personnel, etc.

b. Cost of meetings, including cost associated with activities such as labor negotiations, recruiting, etc.

c. The cost of business meals is allowable to the extent reasonable and necessary for the effective performance of contract work. The Contractor shall establish and maintain effective internal controls.

7.9 Spallation Neutron Source (SNS) Project

Parties acknowledge that an SNS Working Group Report ("Plan to Assist in Recruitment of DOE Laboratory Employees for the Spallation Neutron Source Project") was approved by the DOE Director of Office and Science as a pilot program and was implemented on September 1, 1999. The SNS pilot will be evaluated on a periodic basis.

7.10 Key Personnel

Changes to key personnel must be approved by DOE.

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PART III—LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

SECTION J—LIST OF ATTACHMENTS

APPENDIX B
KEY PERSONNEL

See the clause in Section I entitled, "Key Personnel."

M098
02/01/2004

1.	Chief Executive Officer, UT-Battelle, LLC	Jeffrey Wadsworth
2.	Laboratory Director, ORNL	Jeffrey Wadsworth
3.	Deputy Director, Science and Technology	Lee Riedinger
4.	Deputy Director, Operations	Jeff Smith
5.	Associate Lab Director, Spallation Neutron Source	Thomas Mason
6.	Associate Lab Director, Physical and Computational Sciences	James Roberto
7.	Associate Lab Director, Biological and Environmental Sciences	Reinhold C. Mann
8.	Associate Lab Director, Energy and Engineering Technology	David J. Hill
9.	Associate Lab Director, National Security	Frank Akers
10.	Associate Lab Director, Computing and Computational Sciences	Thomas Zacharia
11.	Director, Facilities and Operations	Herbert Debban
12.	Director, Environment, Safety, Health, and Quality	Kelly Beierschmitt
13.	Director, Human Resources and Diversity Programs	Darryl Boykins
14.	Director, Technology Transfer and Economic Development	Alex Fischer
15.	Director, Community Outreach and Communication	Billy Stair
16.	Director, Audit and Management Services	Scott Branham
17.	Director, Counterintelligence	Fred Evans
18.	Director, Strategic Planning	Erik Pearson
19.	General Counsel	Steven Porter
20.	Chief Financial Officer	Gregory Turner

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PART III
LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

SECTION J - LIST OF ATTACHMENTS

APPENDIX C
PERFORMANCE GUARANTEE AGREEMENT

Attached to this Appendix C are the Performance Guarantee Agreements executed on behalf of the University of Tennessee by Joseph E. Johnson, President, on July 12, 1999 and on behalf of Battelle Memorial Institute by Dr. Douglas E. Olesen, President and Chief Executive Officer, on July 21, 1999.

PERFORMANCE GUARANTEE AGREEMENT

For value received, and in consideration of, and in order to induce the United States (the Government) to enter into Contract DE-AC05-99OR22725 for the Management and Operation of the Oak Ridge National Laboratory, by and between the Government and **UT-Battelle, LLC,** (Contractor), the undersigned, **University of Tennessee** (Guarantor), a corporate agency of the State of Tennessee and state university chartered under the laws of the State of Tennessee, hereby unconditionally guarantees to the Government (a) the full and prompt payment and performance of all obligations, accrued and executory, which Contractor presently or hereafter may have to the Government under the Contract, and (b) the full and prompt payment and performance by Contractor of all other obligations and liabilities of Contractor to the Government, fixed or contingent, due or to become due, direct or indirect, now existing or hereafter and howsoever arising or incurred under the Contract, and Guarantor further agrees to indemnify the Government against any losses the Government may sustain and expenses it may incur as a result of the enforcement or attempted enforcement by the Government of any of its rights and remedies under the Contract, in the event of a default by Contractor thereunder, and/or as a result of the enforcement or attempted enforcement by the Government of any of its rights against Guarantor hereunder.

Guarantor has read and consents to the signing of the Contract. Guarantor further agrees that Contractor shall have the full right, without any notice to or consent from Guarantor, to make any and all modifications or amendments to the Contract without affecting, impairing, or discharging, in whole or in part, the liability of Guarantor hereunder.

Guarantor hereby expressly waives all defenses which might constitute a legal or equitable discharge of a surety or guarantor, and agrees that this Performance Guarantee Agreement shall be valid and unconditionally binding upon Guarantor regardless of (i) the reorganization, merger, or consolidation of Contractor into or with another entity, corporate or otherwise, or the liquidation or dissolution of Contractor, or the sale or other disposition of all or substantially all of the capital stock, business or assets of Contractor to any other person or party, or (ii) the institution of any bankruptcy, reorganization, insolvency, debt agreement, or receivership proceedings by or against Contractor, or adjudication of Contractor as a bankrupt, or (iii) the assertion by the Government against Contractor of any of the Government's rights and remedies provided for under the Contract, including any modifications or amendments thereto, or under any other document(s) or instrument(s) executed by Contractor, or existing in the Government's favor in law, equity, or bankruptcy.

Guarantor further agrees that its liability under this Performance Guarantee Agreement shall be continuing, absolute, primary, and direct, and that the Government shall not be required to pursue any right or remedy it may have against Contractor or other Guarantors under the Contract, or any modifications or amendments thereto, or any other document(s) or instrument(s) executed by Contractor, or otherwise. Guarantor affirms that the Government shall not be required to first commence any action or obtain any judgment against Contractor before enforcing this Performance Guarantee Agreement against Guarantor, and that

Guarantor will, upon demand, pay the Government any amount, the payment of which is guaranteed hereunder and the payment of which by Contractor is in default under the Contract or under any other document(s) or instrument(s) executed by Contractor as aforesaid, and that Guarantor will, upon demand, perform all other obligations of Contractor, the performance of which by Contractor is guaranteed hereunder.

Guarantor agrees to assure that it shall cause this Performance Guarantee Agreement to be unconditionally binding upon any successor(s) to its interests regardless of (i) the reorganization, merger, or consolidation of Guarantor into or with another entity, corporate or otherwise, or the liquidation or dissolution of Guarantor, or the sale or other disposition of all or substantially all of the capital stock, business, or assets of Guarantor to any other person or party, or (ii) the institution of any bankruptcy, reorganization, insolvency, debt agreement, or receivership proceedings by or against Guarantor, or adjudication of Guarantor as a bankrupt.

Guarantor further warrants and represents to the Government that the execution and delivery of this Performance Guarantee Agreement is not in contravention of Guarantor's Articles of Organization, Charter, by-laws, and applicable law; that the execution and delivery of this Performance Guarantee Agreement, and the performance thereof, has been duly authorized by the Guarantor's Board of Directors, Trustees, or any other management board which is required to participate in such decisions; and that the execution, delivery, and performance of this Performance Guarantee Agreement will not result in a breach of, or constitute a default under, any loan agreement, indenture, or contract to which Guarantor is a party or by or under which it is bound.

No express or implied provision, warranty, representation or term of this Performance Guarantee Agreement is intended, or is to be construed, to confer upon any third person(s) any rights or remedies whatsoever, except as expressly provided in this Performance Guarantee Agreement.

In witness thereof, Guarantor has caused this Performance Guarantee Agreement to be executed by its duly authorized officer, and its corporate seal to be affixed hereto on July 12, 1999.

UNIVERSITY OF TENNESSEE

JOSEPH E. JOHNSON
PRESIDENT

ATTESTATION INCLUDING APPLICATION
OF SEAL BY AN OFFICIAL OF GUARANTOR
AUTHORIZED TO AFFIX CORPORATE SEAL

PERFORMANCE GUARANTEE AGREEMENT

For value received, and in consideration of, and in order to induce the United States (the Government) to enter into Contract DE-AC05-99OR22725 for the Management and Operation of the Oak Ridge National Laboratory, by and between the Government and **UT-Battelle, LLC,** (Contractor), the undersigned, **Battelle Memorial Institute** (Guarantor), a nonprofit corporation incorporated in the State of Ohio with its principal place of business at Columbus, Ohio, hereby unconditionally guarantees to the Government (a) the full and prompt payment and performance of all obligations, accrued and executory, which Contractor presently or hereafter may have to the Government under the Contract, and (b) the full and prompt payment and performance by Contractor of all other obligations and liabilities of Contractor to the Government, fixed or contingent, due or to become due, direct or indirect, now existing or hereafter and howsoever arising or incurred under the Contract, and Guarantor further agrees to indemnify the Government against any losses the Government may sustain and expenses it may incur as a result of the enforcement or attempted enforcement by the Government of any of its rights and remedies under the Contract, in the event of a default by Contractor thereunder, and/or as a result of the enforcement or attempted enforcement by the Government of any of its rights against Guarantor hereunder.

Guarantor has read and consents to the signing of the Contract. Guarantor further agrees that Contractor shall have the full right, without any notice to or consent from Guarantor, to make any and all modifications or amendments to the Contract without affecting, impairing, or discharging, in whole or in part, the liability of Guarantor hereunder.

Guarantor hereby expressly waives all defenses which might constitute a legal or equitable discharge of a surety or guarantor, and agrees that this Performance Guarantee Agreement shall be valid and unconditionally binding upon Guarantor regardless of (i) the reorganization, merger, or consolidation of Contractor into or with another entity, corporate or otherwise, or the liquidation or dissolution of Contractor, or the sale or other disposition of all or substantially all of the capital stock, business or assets of Contractor to any other person or party, or (ii) the institution of any bankruptcy, reorganization, insolvency, debt agreement, or receivership proceedings by or against Contractor, or adjudication of Contractor as a bankrupt, or (iii) the assertion by the Government against Contractor of any of the Government's rights and remedies provided for under the Contract, including any modifications or amendments thereto, or under any other document(s) or instrument(s) executed by Contractor, or existing in the Government's favor in law, equity, or bankruptcy.

Guarantor further agrees that its liability under this Performance Guarantee Agreement shall be continuing, absolute, primary, and direct, and that the Government shall not be required to pursue any right or remedy it may have against Contractor or other Guarantors under the Contract, or any modifications or amendments thereto, or any other document(s) or instrument(s) executed by Contractor, or otherwise. Guarantor affirms that the Government shall not be required to first commence any action or obtain any judgment against Contractor before enforcing this Performance Guarantee Agreement against Guarantor, and that Guarantor will, upon demand, pay the Government any amount, the payment of which is guaranteed hereunder and the payment of which by Contractor is in default under the Contract or under any other document(s) or instrument(s) executed by Contractor as aforesaid, and that

Guarantor will, upon demand, perform all other obligations of Contractor, the performance of which by Contractor is guaranteed hereunder.

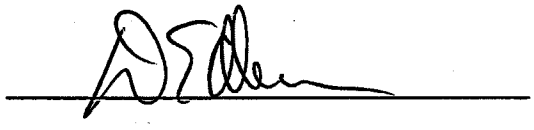
Guarantor agrees to assure that it shall cause this Performance Guarantee Agreement to be unconditionally binding upon any successor(s) to its interests regardless of (i) the reorganization, merger, or consolidation of Guarantor into or with another entity, corporate or otherwise, or the liquidation or dissolution of Guarantor, or the sale or other disposition of all or substantially all of the capital stock, business, or assets of Guarantor to any other person or party, or (ii) the institution of any bankruptcy, reorganization, insolvency, debt agreement, or receivership proceedings by or against Guarantor, or adjudication of Guarantor as a bankrupt.

Guarantor further warrants and represents to the Government that the execution and delivery of this Performance Guarantee Agreement is not in contravention of Guarantor's Articles of Organization, Charter, by-laws, and applicable law; that the execution and delivery of this Performance Guarantee Agreement, and the performance thereof, has been duly authorized by the Guarantor's Board of Directors, Trustees, or any other management board which is required to participate in such decisions; and that the execution, delivery, and performance of this Performance Guarantee Agreement will not result in a breach of, or constitute a default under, any loan agreement, indenture, or contract to which Guarantor is a party or by or under which it is bound.

No express or implied provision, warranty, representation or term of this Performance Guarantee Agreement is intended, or is to be construed, to confer upon any third person(s) any rights or remedies whatsoever, except as expressly provided in this Performance Guarantee Agreement.

In witness thereof, Guarantor has caused this Performance Guarantee Agreement to be executed by its duly authorized officer, and its corporate seal to be affixed hereto on July 21, 1999.

BATTELLE MEMORIAL INSTITUTE

BY: 

TITLE: President and Chief Executive Officer

CORPORATE SEAL

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PART III—LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

SECTION J—LIST OF ATTACHMENTS

APPENDIX D
ANNUAL COST ESTIMATE

(The annual cost estimate will be added after award, and thereafter on an annual basis, consistent with the provisions of the clause in Section H entitled, “Work Authorization System.”)

APPENDIX D
ANNUAL COST ESTIMATE
(FY 2004)

M092
11/26/2003

Program	Estimate ($)
Energy Efficiency and Renewable Energy	127,726,000
National Nuclear Security Administration	138,403,000
Nuclear Energy	21,279,000
Production	10,100,000
Energy Research	
Fusion	19,510,000
Physical Sciences	130,683,000
Biological and Environmental Research	47,857,000
Computational and Technology R&D	32,174,000
Laboratory Management	2,500,000
Total Energy Research	232,724,000
Fossil Energy	12,385,000
Environment, Safety and Health	2,348,000
Other DOE Programs	10,927,000
Work for Others	
Other Federal Agencies (Program 40)	105,427,000
Private, State and Local (Programs WN, 60, and 65)	28,878,000
Total Work for Others	134,305,000
Environmental Management	6,169,000
Capital/Construction	
Capital Equipment	36,876,000
Construction	233,008,000
Total Capital/Construction	269,884,000
Total	**961,250,000**

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Appendix E

Baseline List of Required Compliance Documents

List B - List of Applicable Directives

DOE Directives DOE Directives may be found at the following address: http://www.directives.doe.gov/				
Required Compliance Document	**Document Date**	**Title**	**Through Change**	**Notes and Comments**
DOE O 110.3	11/03/1999	Conference Management		
DOE O 137.1A	08/30/1999	Plan for Operating in the Event of a Lapse in Appropriations		See Footnote (1).
DOE M 140.1-1B	03/30/2001	Interface with the Defense Nuclear Facilities Safety Board		
DOE O 142.1	01/13/2004	Classified Visits Involving Foreign Nationals		
DOE O 142.2	01/07/2004	Safeguards Agreement and Protocol with the International Atomic Energy Agency		
DOE O 142.3	06/18/2004	Unclassified Foreign Visits and Assignments Program		
Compliance Line: Implementation Plan approved by DOE on 12/17/2004.				
DOE O 151.1B, Attachment 2	11/01/2000	Comprehensive Emergency Management System		ES&H-related Directive included in S/RID. See Footnote (2).
DOE N 153.2	08/11/2003	Connectivity to National Atmospheric Release Advisory Center (NARAC)		ES&H-related Directive included in S/RID. See Footnote (2).
DOE M 200.1-1, Except Chapter 7	03/01/1997	Telecommunications Security Manual		
DOE O 200.1	09/30/1996	Information Management Program		
DOE N 203.1	10/02/2000	Software Quality Assurance		Expiration date extended to 12/31/2001 by DOE N 251.40.
Compliance Line: Implementation Plan (Revision 1) approved 09/24/2001. Implementation Plan (Revision 2) approved 01/23/2004.				
DOE M 205.1-1	09/30/2004	Incident Prevention, Warning, and Response (IPWAR) Manual		
DOE N 205.10	02/19/2004	Cyber Security Requirements for Risk Management		**Expiration date extended to 03/18/2006 by DOE N 205.15.**
DOE O 205.1	03/21/2003	Department of Energy Cyber Security Management Program		
DOE N 205.11	02/19/2004	Security Requirements for Remote Access to DOE and Applicable Contractor Information Technology Systems		**Expiration date extended to 03/18/2006 by DOE N 205.15.**
Compliance Line: Implementation Plan submitted to DOE on 05/11/2005.				

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DOE Directives DOE Directives may be found at the following address: http://www.directives.doe.gov/				
Required Compliance Document	**Document Date**	**Title**	**Through Change**	**Notes and Comments**
DOE N 205.2	11/01/1999	Foreign National Access to DOE Cyber Systems		Expiration date extended to 08/12/2005 by DOE N 205.14
DOE N 205.3	11/23/1999	Password Generation, Protection, and Use		Expiration date extended to 08/12/2005 by DOE N 205.14.
DOE N 205.8	02/11/2004	Cyber Security Requirements for Wireless Devices and Information Systems		**Expiration date extended to 03/18/2006 by DOE N 205.15.**
DOE N 205.9	02/19/2004	Certification and Accreditation Process for Information Systems Including National Security Systems		**Expiration date extended to 03/18/2006 by DOE N 205.15.**
DOE O 221.1	03/22/2001	Reporting Fraud, Waste, and Abuse To The Office of Inspector General		
DOE O 221.2	03/22/2001	Cooperation With The Office of Inspector General		
DOE O 225.1A, Attachment 1	11/26/1997	Accident Investigation		
DOE M 231.1-1A	03/19/2004	Environment, Safety, and Health Reporting Manual	1 09/09/2004	ES&H-related Directive included in WSS. See Footnote (2).
Compliance Line: Implementation Plan approved by DOE on 2/18/2005.				
DOE M 231.1-2	08/19/2003	Occurrence Reporting and Processing of Operations Information		ES&H-related Directive included in S/RID. See Footnote (2).
DOE O 241.1A	04/09/2001	Scientific and Technical Information Management	1 10/14/2003	
DOE M 251.1-1A	01/30/1998	Directives System Manual		
DOE O 251.1A	01/30/1998	Directives System		
DOE O 252.1	11/19/1999	Technical Standards Program		
DOE O 350.1	09/30/1996	Contractor Human Resource Management Programs	1 05/08/1998	
DOE O 350.2A	10/29/2003	Use of Management and Operating or Other Facility Management Contractor Employees for Services to DOE in the Washington, D.C., Area		
DOE O 412.1	04/20/1999	Work Authorization System		

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DOE Directives DOE Directives may be found at the following address: http://www.directives.doe.gov/				
Required Compliance Document	**Document Date**	**Title**	**Through Change**	**Notes and Comments**
DOE O 413.1A	04/18/2002	Management Control Program		
DOE O 413.2A	01/08/2001	Laboratory Directed Research and Development		
DOE M 413.3-1	03/28/2003	Project Management for the Acquisition of Capital Assets		
DOE O 413.3	10/13/2000	Program and Project Management for the Acquisition of Capital Assets	1 01/03/2005	
DOE O 420.1A	05/20/2002	Facility Safety		ES&H-related Directive included in WSS. See Footnote (2).
Compliance Line 1: Implementation Plan approved by DOE on 10/08/1999 for DOE O 420.1, Section 4.3. Compliance Line 2: Implemantation Plan approved by DOE on 06/19/2003 for DOE O 420.1, Change 3, Section 4.2 and Section 4.4. Compliance Line 3: Implementation Plan approved by DOE on 01/07/2005 for DOE O 420.1A, Section 4.5.				
DOE O 420.2B	07/23/2004	Safety of Accelerator Facilities		ES&H-related Directive included in WSS. See Footnote (2).
Compliance Line: Revised Implementation Plan for the WSS Set for "Accelerator Facilities" approved by DOE on 03/11/2005.				
DOE O 425.1C	03/13/2003	Startup and Restart of Nuclear Facilities		ES&H-related Directive included in WSS. See Footnote (2).
DOE O 430.1B	09/24/2003	Real Property Asset Management		
Compliance Line: Implementation plan approved by DOE on 10/18/2004.				
DOE O 430.2A	04/15/2002	Departmental Energy and Utilities Management		
DOE O 433.1	06/01/2001	Maintenance Management Program for DOE Nuclear Facilities		ES&H-related Directive included in WSS. See Footnote (2).
Compliance Line: Implementation Plan approved 07/21/2003.				
DOE M 435.1-1	07/09/1999	Radioactive Waste Management Manual		ES&H-related Directive included in WSS. See Footnote (2).
DOE O 435.1	07/09/1999	Radioactive Waste Management		ES&H-related Directive included in WSS. See Footnote (2).

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List B - List of Applicable Directives

DOE Directives DOE Directives may be found at the following address: http://www.directives.doe.gov/				
Required Compliance Document	**Document Date**	**Title**	**Through Change**	**Notes and Comments**
DOE M 440.1-1	09/30/1995	DOE Explosives Safety Manual		ES&H-related Directive included in WSS. See Footnote (2).
DOE O 440.1A	03/27/1998	Worker Protection Mgmt for DOE Federal and Contractor Employees		ES&H-related Directive included in WSS. See Footnote (2).
DOE O 440.2B	11/27/2002	Aviation Management and Safety		ES&H-related Directive included in WSS. See Footnote (2).
DOE O 442.1A	06/06/2001	Department of Energy Employee Concerns Program		
DOE O 443.1	05/15/2000	Protection of Human Subjects		
DOE O 450.1	**01/15/2003**	**Environmental Protection Program**	**1 01/24/2005**	**ES&H-related Directive included in WSS. See Footnote (2).**
DOE M 450.3-1	01/25/1996	The Department of Energy Closure Process for Necessary and Sufficient Sets of Standards		
DOE N 450.7	10/17/2001	The Safe Handling, Transfer, and Receipt of Biological Etiologic Agents at Department of Energy Facilities		ES&H-related Directive included in WSS. See Footnote (2). Expiration date extended to 6/30/2005 by DOE N 450.13.
DOE O 460.1B	04/04/2003	Packaging and Transportation Safety		ES&H-related Directive included in WSS. See Footnote (2).
DOE M 470.1-1	10/02/2002	Safeguards and Security Awareness Program		
DOE O 470.1, except Chapter VII and portions of Chapter VIII	09/28/1995	Safeguards and Security Program	1 06/21/1996	DOE O 142.1 cancels those portions of Chapter VIII, of DOE O 470.1, Safeguards and Security Program, that pertain to foreign nationals who visit DOE sites/facilities and require accesss to classified information. DOE O 471.4 cancels DOE O 470.1, Change 1, Chapter VII. Expiration date extended to 04/28/2005 by DOE N 251.57.

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DOE Directives DOE Directives may be found at the following address: http://www.directives.doe.gov/				
Required Compliance Document	**Document Date**	**Title**	**Through Change**	**Notes and Comments**
DOE O 470.2B	10/31/2002	Independent Oversight and Performance Assurance Program		
DOE O 470.3	10/18/2004	Design Basis Threat Policy		
Compliance Line: Implementation Plan due to DOE by 07/29/2005.				
DOE M 471.1-1	06/30/2000	Identification and Protection of Unclassified Controlled Nuclear Information Manual	1 10/23/2001	Expiration date extended to 06/30/2005 by DOE N 251.58.
DOE O 471.1A	06/30/2000	Identification and Protection of Unclassified Controlled Nuclear Information		Expiration date extended to 06/30/2005 by DOE N 251.58.
DOE M 471.2-1B, Chapter III, Para.1&2	01/06/1999	Classified Matter Protection and Control Manual		Canceled by DOE M 471.2-1C, except for Chapter III, paragraphs 1 and 2; and Chapter IV. DOE O 471.4 cancels Chapter IV
DOE M 471.2-1C	04/17/2001	Classified Matter Protection And Control Manual	1 07/14/2004	
DOE M 471.2-2	08/03/1999	Classified Information Systems Security Manual		DOE N 205.3 cancels paragraphs 4j(2) and 4(j)6 of Chapter VI; and paragraph 12a(2)(a) of Chapter VII. DOE N 205.4 cancels Chapter III, Section 8.
DOE M 471.2-3A	07/11/2002	Special Access Program (SAP) Policies, Responsibilities, and Procedures Manual		
DOE M 471.2-4	02/06/2004	Technical Surveillance Countermeasures Manual		
DOE O 471.2A	03/27/1997	Information Security Program		Expiration date extended to 04/28/2005 by DOE N 251.57.
DOE M 471.3-1	04/09/2003	Manual for Identifying and Protecting Official Use Only Information		
DOE O 471.3	04/09/2003	Identifying and Protecting Official Use Only Information		
DOE O 471.4	03/17/2004	Incidents of Security Concern		
DOE M 472.1-1B	07/12/2001	Personnel Security Program Manual		

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DOE Directives DOE Directives may be found at the following address: http://www.directives.doe.gov/				
Required Compliance Document	**Document Date**	**Title**	**Through Change**	**Notes and Comments**
DOE O 472.1C	03/25/2003	Personnel Security Activities		
DOE M 473.1-1	12/23/2002	Physical Protection Program Manual		
Compliance Line: Implementation Plan, Revision 1, approved by DOE on 12/08/2004				
DOE O 473.1	12/23/2002	Physical Protection Program		
DOE N 473.9	07/08/2004	Security Conditions		
DOE M 474.1-1B	06/13/2003	Manual for Control and Accountability of Nuclear Materials		
DOE M 474.1-2A	08/19/2003	Nuclear Materials Management and Safeguards System Reporting and Data Submission Manual		
DOE O 474.1A	11/20/2000	Control and Accountability of Nuclear Materials		Expiration date extended to 11/19/2005 by DOE N 251.60.
DOE M 475.1-1A	02/26/2001	Identifying Classified Information		**Expiration date extended to 03/03/2006 by DOE N 251.61.**
DOE O 475.1	**12/10/2004**	**Counterintelligence Program**		
DOE M 481.1-1A	01/03/2001	Reimbursable Work For Non-Federal Sponsors Process Manual	1 09/28/2001	
DOE N 481.1A	04/21/2003	Reimbursable Work for Department of Homeland Security		Expiration date extended to 04/20/2005 by DOE N 251.56.
DOE O 481.1B	09/28/2001	Work for Others (Non-Department of Energy-Funded Work		
DOE O 482.1	01/12/2001	DOE Facilities Technology Partnering Programs		
DOE M 483.1-1	01/12/2001	DOE Cooperative Research and Development Agreements Manual		
DOE O 483.1	01/12/2001	DOE Cooperative Research and Development Agreements		
DOE O 522.1	11/03/2004	Pricing of Departmental Materials and Services		
DOE O 534.1B	01/06/2003	Accounting		

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DOE Directives DOE Directives may be found at the following address: http://www.directives.doe.gov/				
Required Compliance Document	**Document Date**	**Title**	**Through Change**	**Notes and Comments**
DOE O 551.1B	08/19/2003	Official Foreign Travel		
DOE M 573.1-1	07/12/2000	Mail Services User's Manual		
DOE-STD-1090-2004	06/01/2004	Hoisting and Rigging Standard (Formerly Hoisting and Rigging Manual)		ES&H-related Directive included in WSS. See Footnote (2).
Compliance Line: Implementation Plan approved by DOE on 2/11/2005.				
DOE-STD-1186-2004	**08/01/2004**	**Specific Administrative Controls**		**ES&H-related Directive included in WSS. See Footnote (2).**
Compliance Line: Implementation Plan due to DOE by 07/29/2005.				
DOE O 1340.1B	01/07/1993	Management of Public Communications Publications and Scientific, Technical, and Engineering Publications		
DOE O 1350.1	10/28/1981	Audiovisual and Exhibits Management	1 03/26/1984	
DOE O 1450.4	11/12/1992	Consensual Listening-In To Or Recording Telephone/Radio Conversations		
DOE O 2340.1C	06/08/1992	Coordination of General Accounting Office Activities		See Footnote (1).
DOE O 5400.5	02/08/1990	Radiation Protection of the Public and the Environment		ES&H-related Directive included in WSS. See Footnote (2).
DOE O 5480.19	07/09/1990	Conduct of Operations Requirements for DOE Facilities	2 10/23/2001	ES&H-related Directive included in WSS. See Footnote (2).
Compliance Line: Implementation Plan approved 06/12/2002 for Change 1.				
DOE O 5480.20A	11/15/1994	Personnel Selection, Qualification, and Training Requirements for DOE Nuclear Facilities	1 07/12/2001	ES&H-related Directive included in WSS. See Footnote (2).
DOE O 5480.4	05/15/1984	Environmental Protection, Safety and Health Protection Standards		ES&H-related Directive included in WSS. See Footnote (2).
DOE O 5560.1A	05/08/1985	Priorities and Allocations Program		
DOE O 5639.8A	07/23/1993	Security of Foreign Intelligence Information and Sensitive Compartmented Information Facilities		

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Required Compliance Documents

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DOE Directives DOE Directives may be found at the following address: http://www.directives.doe.gov/				
Required Compliance Document	**Document Date**	**Title**	**Through Change**	**Notes and Comments**
DOE O 5660.1B	05/26/1994	Management of Nuclear Materials		
DOE O 5670.1A	01/15/1992	Management and Control of Foreign Intelligence		
Compliance Line: Implementation is in accordance with MMES Letter No. AE92-044, dated 06/10/1992.				

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ORO Directives ORO Directives may be found at the following address: http://www.ornl.gov/doe_oro_dmg/orchklst.htm				
Required Compliance Document	**Document Date**	**Title**	**Through Change**	**Notes and Comments**
ORO O 130, Chapter II	05/15/1996	Shutdown of Departmental Operations Upon Failure by Congress to Enact Appropriations	3 06/26/2003	
ORO O 150, Chapter IV	05/31/1996	Radiological Assistance Program, (RAP)	3 02/08/2001	ES&H-related Directive included in S/RID. See Footnote (2).
ORO O 220 Chapter II	09/30/1996	Cooperation with the Office of Inspector General	3 10/23/2003	
ORO O 220, Chapter III	05/31/1996	Establishment of Management Decisions on Office of Inspector General Reports	4 04/07/2004	
ORO O 220, Chapter IV	05/31/1996	Coordination of General Accounting Office Activities	3 06/25/2003	
ORO O 250, Chapter I	08/13/1996	ORO Standards Management Program Overview	4 03/10/2004	
ORO O 250, Chapter II	08/13/1996	ORO Directives System	5 12/03/2003	
ORO O 250, Chapter IV	08/13/1996	Impact Assessments	3 10/31/2003	
ORO O 250, Chapter V	08/13/1996	Development, Approval, and Maintenance of Work Smart Standards	5 12/03/2003	
ORO O 250, Chapter VI	09/30/1996	Implementation Plans and Exemption Requests	4 12/03/2003	
ORO O 250, Chapter VII	08/13/1996	Maintenance of Standards/Requirements Identification Documents	3 10/31/2003	
ORO O 250, Chapter VIII	04/27/2001	Requirements Change Notices	1 10/31/2003	
ORO O 250, Chapter X	10/31/2003	DOE Directives System		
ORO O 350, Chapter III	05/31/1996	Federal Labor Standards	3 01/26/2004	
ORO O 410, Chapter I	09/24/1996	Work Authorization	3 01/12/2004	
ORO O 410, Chapter II	05/31/1996	Management of Nuclear Materials	3 02/23/2004	
ORO O 420, Chapter XI	**04/04/2000**	**Authorization Agreements**	**1 01/18/2005**	
ORO O 430, Chapter II	06/14/1996	Energy and Utilities Management	3 02/19/2004	
ORO O 440, Chapter V	09/30/1996	Employees Concerns Management Program	3 07/25/2003	

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List B - List of Applicable Directives

ORO Directives ORO Directives may be found at the following address: http://www.ornl.gov/doe_oro_dmg/orchklst.htm				
Required Compliance Document	**Document Date**	**Title**	**Through Change**	**Notes and Comments**
ORO O 450 Chapter IV	12/29/1999	Environment, Safety, and Health (ES&H) Self-Assessment and Contractor Assessment Program	1 01/02/2002	
ORO O 470, Chapter I	09/30/1996	Safeguards and Security Program	3 10/29/2004	
ORO O 470, Chapter IX	05/15/1996	Control and Accountability of Nuclear Materials	3 12/29/2005	
ORO O 470, Chapter VII	05/15/1996	Protection and Control of Safeguards and Security Interests	3 11/13/2002	
ORO O 470, Chapter XIII	01/30/2004	Technical Surveillance Countermeasures Program – Use Of Telephone Lineman-Type Handsets Or Items Similar In Purpose, Use, Or Effect On DOE-Owned Or DOE-Leased Property		
ORO O 530, Chapter III	06/18/1996	Accounting	4 04/29/2003	
ORO O 550, Chapter II	09/26/2001	Foreign Travel Authorization	1 12/16/2004	

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Work Smart Standards (WSS) Sets and Standards/Requirements Identification Documents (S/RIDs)
WSS Sets and S/RIDs can be found at the following address:
http://sbms.ornl.gov/sbms/wsshome/wss.html

Required Compliance Document	Approval Date	Title	Change # Approval Date	Notes and Comments
WSS Set 1	07/25/1996	Other Industrial, Radiological, and Non-Radiological Hazard Facilities	**44 04/11/2005**	
WSS Set 2	09/30/1996	Radiochemical Research Facilities (Buildings 2026 and 5505)	**16 04/01/2005**	
WSS Set 3	09/30/1996	Accelerator Facilities	3 09/10/2004	
WSS Set 4	12/17/1996	Radioisotope Development Laboratory (Building 3047)	**16 04/01/2005**	
WSS Set 5	12/17/1996	Radiochemical Engineering Development Center (Buildings 7920, 7930, and Support Areas)	**15 04/01/2005**	
WSS Set 6	05/07/1997	Radiochemical Development Facility (Building 3019 and its ancillary buildings)	**16 04/01/2005**	
WSS Set 7	05/07/1997	Irradiated Materials Examination and Testing Facility and Irradiated Fuels Examination Laboratory (Buildings 3025E, 3525, and Support Areas)	**15 04/01/2005**	
WSS Set 8	05/07/1997	Construction and Construction-like Activities	5 11/01/2004	
WSS Set 9	04/14/1998	Engineering Design of Standard Industrial, Radiological, Non-Reactor Category 2 and 3 Nuclear, and Accelerator Facilities	6 10/22/2004	
WSS Set 10	09/10/1998	High Flux Isotope Reactor and its associated facilities	**18 04/01/2005**	
WSS Set 12	05/15/2000	Chem-Bio Facility (Building 5507A)	1 03/12/2002	
WSS Set 13	04/18/2003	Spallation Neutron Source	1 09/10/2004	
S/RID	11/20/1997	Occurrence Reporting	2 11/06/2003	
S/RID	11/05/1996	Emergency Management	6 04/27/2004	

FOOTNOTES:

(1) This document is not directly applicable to the Contractor; it is included in the list of applicable documents because the Contractor must provide certain information or input to DOE in order for DOE to comply with requirements specified in the document.

(2) This document is ES&H-related and appears in one or more of the current Work Standards (WSS) Sets or is incorporated in the Standards/Requirements Identification Document (S/RID). In an S/RID or WSS Set, the document may be referenced in its entirety or only certain chapters, paragraphs, or sections. Additional information regarding directives and their applicability may be obtained from specific WSS sets.

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PART III
LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

SECTION J - LIST OF ATTACHMENTS

APPENDIX F
SPECIAL FINANCIAL INSTITUTION ACCOUNT AGREEMENT

(The Special Financial Institution Account Agreement required by the clause in Section I entitled, "Payments and Advances," will be added after contract award.)

Department of Energy

Oak Ridge Operations Office
P.O. Box 2001
Oak Ridge, Tennessee 37831—

March 13, 2000

SunTrust Bank, East Tennessee, N.A.
ATTN: Patti M. Fogarty
Group Vice President
700 East Hill Avenue
Knoxville, Tennessee 37915-5010

Dear Ms. Fogarty:

SPECIAL ACCOUNT AGREEMENT FOR USE WITH THE CHECKS-PAID METHOD OF LETTER-OF-CREDIT FINANCING

Administration of the Special Account Agreement for Use With the Checks-Paid Method of Letter-of-Credit Financing between Lockheed Martin Energy Research (LMER) and SunTrust Bank is being transferred from LMER to UT-Battelle LLC as allowed per Section (12) of the agreement. This change will take effect April 1, 2000.

If you have any question, please contact Rosa Trivette, (865) 576-0782.

Sincerely,

Susan G. Hiser

Susan G. Hiser
Contracting Officer

LOCKHEED MARTIN ENERGY RESEARCH CORP., AND
SUNTRUST BANK, EAST TENNESSEE, N.A.

SPECIAL ACCOUNT AGREEMENT FOR USE WITH THE
CHECKS-PAID METHOD OF LETTER-OF-CREDIT FINANCING

Agreement entered into this, 25 day of March, 1999, between the UNITED STATES OF AMERICA, represented by the Department of Energy (hereinafter referred to as "DOE"), and Lockheed Martin Energy Research Corporation, a corporation/legal entity existing under the laws of the State of Delaware (hereinafter referred to as the Contractor) and SunTrust Bank, East Tennessee N.A., located at 500 East Hill Avenue, Knoxville, Tennessee 37915, a national banking association chartered pursuant to laws of the United States (hereinafter referred to as the Institution).

Recitals

(a) On the effective date of January 1, 1996, DOE and the Contractor entered into Agreement(s) No.DE-AC05-96OR22464, or Supplemental Agreement(s) thereto, providing for an advance of funds by a letter of credit. Copy of such advance provisions has been furnished to the Institution.

(b) DOE requires that amounts advanced to the Contractor thereunder be deposited in a special demand deposit account at a financial institution covered by Department of the Treasury-approved Government deposit insurance organizations that are identified in I TFM 6-9000 (see Fig. IX-10).

These special demand deposits must be kept separate from the Contractor's general or other funds and the parties are agreeable to deposit said amounts with the Institution.

(c) The special demand deposit account shall be designated Lockheed Martin Energy Research Corp., Government Fund Account #1 (General Account). All ancillary accounts will be titled the same but having a different number and title to designate its specific use as in: GFA#2 (Payroll).

Covenants

In consideration of the foregoing, and for other good and valuable considerations, it is agreed that:

(1) The Government shall have a title to the credit balance in said account to secure the repayment of all advance payments made to the Contractor, and said title shall be superior to any lien, title or claim of the Institution with respect to such accounts.

(2) The Institution shall be bound by the provisions of said Agreement(s) between DOE and the Contractor relating to the deposit and withdrawal of funds in the above special demand deposit account, which are hereby incorporated into this Agreement by reference, but the Institution shall not be responsible for the application of funds withdrawn from said account. After receipt by the Institution of directions from the contractor, on behalf of DOE, the Institution shall act thereon and shall be under no liability to any party hereto for any action taken in accordance with the said written directions. Any written directions received by the Institution from the contractor acting on behalf of DOE and purporting to be signed by, or signed at the written direction of, the contractor may, insofar as the rights, duties, and liabilities of the Institution are concerned, be considered as having been properly issued and filed with the Institution by the contractor.

(3) DOE, or its authorized representatives, shall have access to the books and records maintained by the Institution with respect to such special demand deposit accounts at all reasonable times and for all reasonable purposes, including, but without limitation to, the inspection or copying of such books and records and any or all memoranda, checks, correspondence, or documents pertaining thereto. Such books and records shall be preserved by the Institution for a period of 6 years after the final payment under the Agreement.

(4) In the event of the service of any writ of attachment, levy of execution, or commencement of garnishment proceedings with respect to the special demand deposit account, the Institution shall promptly notify DOE at:

Oak Ridge Operation Office
P.O. Box 2001
Oak Ridge
Tennessee, 37831-8772
Fax No. (615) 574-5374

(5) DOE shall issue a letter of credit that is irrevocable to the extent that obligations have been incurred in good faith thereunder by the Contractor to the Institution for the benefit of the special demand deposit account. The Institution agrees to honor upon presentation for payment all checks issued by the Contractor and to restrict all Letter of Credit withdrawals to an amount sufficient to maintain the account balance as close to zero as administratively possible each day.

If documentation furnished by the Institution demonstrates that this withdrawal procedure would be inequitable to DOE or to the Institution, Covenant 5 may be modified upon agreement of all parties concerned. The Institution shall comply with the provisions contained in I TFM 6-2000, which states that payment vouchers (TFS form 5805) ordinarily should not be drawn more frequently than daily or for amounts less than $5,000, and in no case should they be drawn for more than $50,000,000 unless so stated in the Letter of Credit. In the event that the balance remaining in the letter of credit limitation is not sufficient to cover the checks presented, the Department of the Treasury will, at the specific authorization of DOE, instruct the Federal Reserve Bank to immediately wire a transfer of funds from the Department of the Treasury account to the Institution's account, for the benefit of the Contractor's Special Demand Deposit Account, in an amount sufficient to cover the check presented in excess of the available Letter of Credit balance. The Institution agrees to service the account in this manner based on the requirements and specifications contained in the Lockheed Martin Energy Systems solicitation dated December 30, 1998. The Institution will invoice the Contractor monthly for services rendered the previous month based on the "Per Item Costs," detailed in the form "Schedule of Bank Processing Charges," contained in the Institution's proposal dated January 21, 1999. The Institution agrees that per item costs detailed in Exhibit B, shall remain constant during the term of this agreement unless specifically noted in Exhibit B.

(6) The Institution shall post collateral, acceptable under Department of the Treasury Circular 176, with the Federal Reserve Bank in an amount equal of the Federal funds deposited in all of the accounts included in this Agreement, less the Department of the Treasury-approved deposit insurance.

(7) This Agreement, with all its provisions and covenants, shall be in effect for a term of five (5) years, beginning on the 1st day of April 1999, and ending on the 31st day of March, 2004.

(8) DOE, the Contractor, or the Institution may terminate this Agreement at any time within the agreement period upon submitting written notification to the other parties 90 days prior to the desired termination date. The specific provisions for operating the account during this 90-day period are contained in Covenant 11.

(9) DOE or the Contractor may terminate this Agreement at any time upon 30 days' notice to the Institution if DOE or the Contractor, or both parties, find that the Institution has failed to substantially perform its obligations under this Agreement or that the Institution is performing its obligations in a manner that precludes administering the program in an effective and efficient manner.

(10) Notwithstanding the provisions of Covenants 8 and 9, in the event that the Agreement, referenced in Recital a, between DOE and the Contractor is not renewed or is terminated, this Agreement between DOE, the Contractor, and the Institution shall be terminated automatically upon the delivery of written notice to the Institution.

(11) In the event of termination, the Institution agrees to retain the Contractor's special demand deposit account for an additional 90-day period to allow for clearance of outstanding checks. During this 90-day period, DOE shall place on deposit in that account sufficient funds to cover all outstanding checks presented for payment.

During the entire 90-day period, it is further understood that:

(a) The Institution shall maintain collateral in an amount sufficient to collateralize the highest balance in the account, less Federal Deposit Insurance Corporation coverage on the accounts, and that no cost of such collateralization shall accrue to the contractor or the DOE.

(b) All service charges shall be consistent with the amounts reflected in this Agreement (Exhibit B).

(c)No charge will be made for any FDIC of other depository insurance assessed.

(d) All terms and conditions of the aforesaid bid submitted by the Institution that are not inconsistent with this 90-day additional term shall remain in effect.

(e) This Agreement shall continue in effect, with exception of the following:

1. Letter of Credit (Covenant 5)

2. The term of this Agreement (Covenant 7)

3. Termination of Agreement (Covenant 8 and 9)

(12) Administration of this Agreement may be transferred, in whole or in part, to DOE or its designee(s), and to the extent of such transfer and notice thereof to the Institution, Company shall have no further responsibilities hereunder.

The Institution has submitted the forms entitled "Technical Representations and Certifications," "Schedule of Bank Processing Charges using the monthly Explicit Fee method of compensation" (Exhibit B). These forms have been accepted by the Contractor and the Government and are incorporated herein with the document entitled "Financial Institution's Information on the Checks-Paid Letter of Credit," as an integral part of this Agreement.

IN WITNESS WHEREOF the parties hereto have caused this Agreement, which consists of 5 pages, including the signature pages, to be executed as of the day and year first above written.

THE UNITED STATES OF AMERICA

BY: Susan G. Hiser
SUSAN G. HISER, CONTRACTING OFFICER

3/25/99
DATE

LOCKHEED MARTIN ENERGY RESEARCH CORPORATION

BY: Howard L. Rhude
HOWARD L. RHUDE, CHIEF FINANCIAL OFFICER

3/10/99
DATE

SUNTRUST BANK, EAST TENNESSEE, N.A.

BY: Patti M Fogarty
PATTI M. FOGARTY, GROUP VICE PRESIDENT

3/10/99
DATE

NOTE-The contractor if a corporation, shall cause the following Certificate to be executed under its corporate seal, provided that the same officer shall not execute both the Agreement and the Certificate.

CERTIFICATE

I, Edgar R. Bowers, certify that I am the Secretary of the Corporation named as Contractor herein; that Howard L. Rhude, who signed this Agreement on behalf of the Contractor, was then Chief Financial Officer of said corporation; and that said Agreement was duly signed for in behalf of said corporation by authority of its governing body and is within the scope of its corporate powers.

Edgar R. Bowers (Corporate Seal)
SIGNATURE

NOTE-Financial Institution, if a corporation, should cause the following Certification to be executed under its corporate seal, provided that the same officer shall not execute both the Agreement and Certificate.

CERTIFICATE

I, Roger D. Osborne, certify that I am the Senior Vice President of the corporation named as Institution herein; that Patti M. Fogarty, who signed this Agreement on behalf of the Institution, was then Group Vice President of said corporation; and that said Agreement was duly signed for and in behalf of said corporation by authority of its governing body and its within the scope of its corporate powers.

Roger D. Osborne (Corporate Seal)
SIGNATURE

SUNTRUST BANK, EAST TENNESSEE,N.A.
LOCKHEED MARTIN
JANUARY 21, 1999

TMA CODE	SERVICE PROVIDED	MONTHLY VOLUME	PROPOSED PRICE/ITEM	MONTHLY PRICE
000202	NEGATIVE LEDGER FEE - OCCURRENCE	1	$0.000	$0.00
010000	ACCOUNT MAINTENANCE	1	$13.000	$13.00
010020	ZERO BALANCE ACCOUNTS MASTER	2	$0.000	$0.00
010021	ZERO BALANCE ACCOUNTS SUB *	4	$15.000	$60.00
100000	BRANCH DEPOSIT	12	$0.000	$0.00
100044	BRANCH FURNISHED COIN ROLL	600	$0.080	$48.00
10004A	BRANCH FURNISHED CURRENCY STD	50	$0.300	$15.00
100224	OTHER FED ITEMS	5	$0.000	$0.00
100400	RETURN ITEMS	5	$0.000	$0.00
100600	DEPOSIT RECON MAINTENANCE	2	$0.000	$0.00
100610	DEPOSIT RECON PROCESSING	800	$0.000	$0.00
150030	MAINTENANCE - POSITIVE PAY	9	$60.000	$540.00
150120	POSITIVE PAY CHECKS PAID	12,000	$0.050	$600.00
150410	STOP PAYMENTS - AUTOMATED	75	$2.000	$150.00
151100	FINE SORT	12,000	$0.000	$0.00
151350	CHECK IMAGING - MAINTENANCE	12,000	$0.000	$0.00
151351	CHECK IMAGING CAPTURE	12,000	$0.005	$60.00
200020	PARTIAL RECON MAINTENANCE	9	$0.000	$0.00
200120	CK PD PARTIAL RECON	12,000	$0.030	$360.00
250000	GENERAL ACH MAINTENANCE	4	$0.000	$0.00
250101	ACH ORIGINATED - CREDIT	36,000	$0.040	$1,440.00
250301	ACH RETURN ITEM - CREDIT	50	$2.000	$100.00
250501	ACH INPUT AUTOMATE - TRANSMISSIONS	10	$0.000	$0.00
250629	ACH FILE DELETIONS		$10.000	
250649	ACH FILE REVERSALS		$5.000	
250660	ACH EXCEPTION PROCESSING	10	$0.000	$0.00
251050	SPECIAL ACH SERVICE - DEBIT AUTH EPA	200	$0.000	$0.00
300000	EDI MAINTENANCE - ORIGINATION	1	$0.000	$0.00
300020	EDI MAINTENANCE - CUSTOM	1	$0.000	$0.00
300112	ACH PAYMENTS - CTX **	2,000	$0.250	$500.00
300112	ACH PAYMENTS - PPD **	1,100	$0.250	$275.00
300121	ACH PAYMENT NOTIFICATION - VIA FAX	7,000	$0.500	$3,500.00
300122	ACH PAYMENT NOTIFICATION - VIA VAN	14,000	$0.250	$3,500.00
300123	ACH PAYMENT NOTIFICATION - VIA ACH	3,000	$0.000	$0.00
350100	OUTGOING WIRE - AUTOM REPETITIVE	80	$5.000	$400.00
350103	OUTGOING WIRE - AUTOM FREEFORM	40	$5.000	$200.00
350200	OUTGOING WIRE - MANUAL REPETITIVE	2	$5.000	$10.00
350202	OUTGOING WIRE - MANUAL FREEFORM	2	$5.000	$10.00
350300	INCOMING WIRE TRANSFER	21	$5.000	$105.00
359998	INTERNATIONAL INCOMING WIRE	2	$10.000	$20.00
359999	INTERNATIONAL OUTGOING WIRE	20	$10.000	$200.00
400199	DATA TRANSMISSION PER FILE (+PAY, ACH, ETC.)	52	$5.000	$260.00
600210	INTERNATIONAL BANK DRAFTS		$5.000	$0.00
400002	PREVIOUS DAY REPORT	1	$0.000	$0.00
400210	LOGONS	1	$0.000	$0.00
	ARMORED CAR SERVICE ***	1	$588.000	$588.00
	ONE TIME SET-UP FEES			$0.00
	TOTAL MONTHLY PRICE			$12,954.00

SHADED ITEMS REPRESENT THOSE THAT SUNTRUST PROPOSES TO CHARGE TO LOCKHEED MARTIN. HOWEVER THEY ARE NOT INCLUDED IN THE EXHIBIT.

*PLEASE NOTE THAT SUNTRUST ONLY CHARGES LOCKHEED MARTIN FOR 4 ZERO BALANCE SUB ACCOUNTS INSTEAD OF THE 11 AS STATED IN THE EXHIBIT.

**ASSUMES THAT LOCKHEED MARTIN WOULD TRANSMIT AN 820 EDI FILE FORMAT.

***ARMORED CAR SERVICE IS A PASS-THRU COST FROM THE VENDOR. ADJUSTMENTS ARE MADE AS NOTIFIED BY THE VENDOR.

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PART III
LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

SECTION J - LIST OF ATTACHMENTS

APPENDIX G
CORPORATE CITIZENSHIP

Attached to this Appendix G is the Corporate Citizenship Offer contained in the Contractor's proposal, dated August 2, 1999.

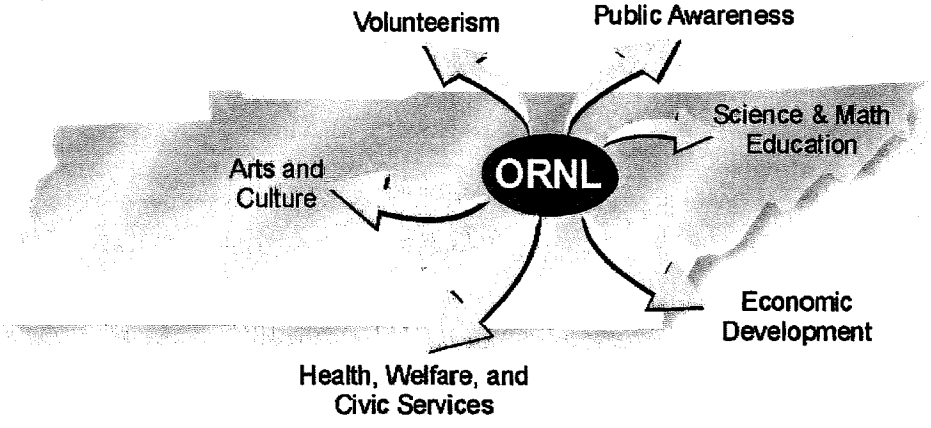
(c) Corporate Citizenship

UT-Battelle and our two subcontractors, Duke Engineering & Services and BWX Technologies, are committed to excellence in community service. Using both financial contributions (totaling over $6.3 million over 5 years) and an extensive program of volunteerism, our plan will complement and expand the Laboratory's existing successful corporate citizenship programs. Through targeted initiatives in education, economic development, health and welfare, cultural and civic activities, volunteerism, and public awareness, ORNL will achieve greater visibility as a highly valued, enduring asset to the Oak Ridge community and region.

Science and Math Education	$2,000,000
Economic Development	$3,000,000
Health, Welfare, and Civic Services	$660,000
Arts and Culture	$100,000
Comprehensive Volunteerism	$100,000
Public Awareness	$500,000
TOTAL	$6,360,000

The University of Tennessee brings to ORNL a long-standing relationship with the Laboratory and the Oak Ridge community. An array of educational and cultural programs, community involvement, assistance with economic development, and cutting-edge research makes UT a highly recognized civic asset and provides the foundation to expand ORNL's visibility throughout the region. UT faculty and staff serve on boards of most of the civic and economic development organizations in Oak Ridge, and UT supports these organizations financially.

Battelle brings to ORNL a commitment to corporate citizenship based on extensive employee volunteerism as well as financial support of community and educational programs. The UT-Battelle plan to enhance ORNL's value to the Oak Ridge community draws from successful Battelle initiatives such as the nationally recognized "Science and Math Education Network of Central Ohio" (a partnership of schools, businesses, and public institutions); an 800-person, award-winning "Team Battelle" employee volunteer program; and the facilitation of 40 high-tech spin-off companies in the last 4 years at DOE's Pacific Northwest National Laboratory in Richland, Washington. Recently, Battelle received the Columbus Foundation's Harrison Sayre Award for extraordinary philanthropic work and community service in Central Ohio, as well as the Volunteer Ohio 1999 Award for corporate volunteerism.



Achieving excellence in corporate citizenship requires multiple channels to build strong, lasting community relations.

Science and Mathematics Education

The cornerstone of the UT-Battelle corporate citizenship effort will be to enhance ORNL's value regionally and nationally as a leader in science and mathematics education at both the K-12 and post-secondary levels. The emphasis on math and science reflects our belief that the region's potential for economic growth is linked directly to the ability to provide a technically skilled workforce. Our plan will build upon successful education programs in place at ORNL for students and faculty in K-12 and higher education. To these programs we will add the extensive human and technical resources of the University of Tennessee and Battelle. Through the consolidation of these resources, UT-Battelle will make a valued and highly visible contribution to efforts underway in Tennessee to strengthen math and science education.

A UT-Battelle priority will be to establish a partnership with local schools and industry to ensure that the "pipeline" from kindergarten to college remains filled with a diverse, technically skilled future workforce.

UT-Battelle will increase the Laboratory's visibility and value to the region by combining employee in-kind resources with corporate financial contributions **totaling $2 million** during the 5-year contract period. These funds will be used to implement five distinct education initiatives for K-12 and higher education.

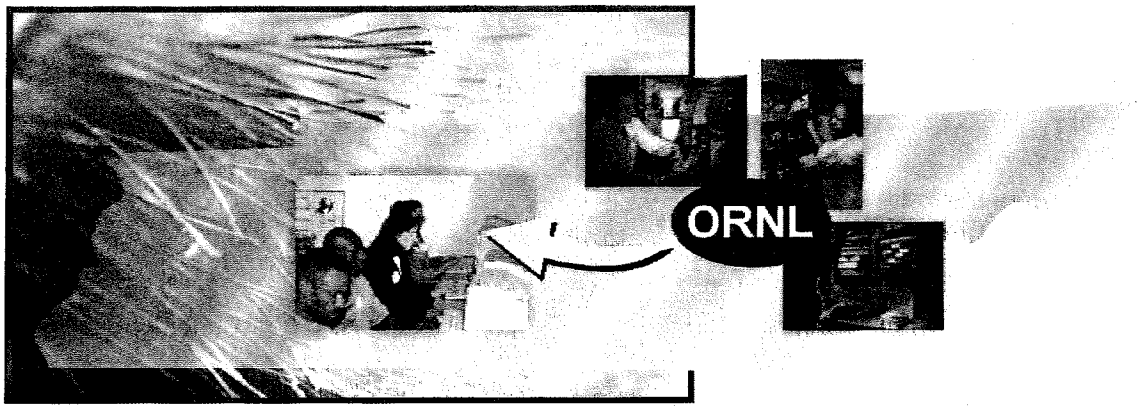
K-12 science education will be enhanced through:

- Stimulating science learning opportunities for high school students in the eight-county region by providing state-of-the-art science laboratories funded by UT-Battelle. ***Corporate Contribution: $250,000.***

- Participating in the State Department of Education's initiative to improve student science and math performance by funding the advanced training of 50 Tennessee teachers annually at the University of Tennessee's Academy for Teachers of Science and Mathematics. ***Corporate Contribution: $1,500,000.***

- Strengthening regional science education in the eight-county region by providing volunteer science teachers from "Team UT-Battelle" and establishing a long-term "science and math network" among UT-Battelle and area businesses to expand resources for teacher training and student learning. ***Corporate Contribution: $175,000.***

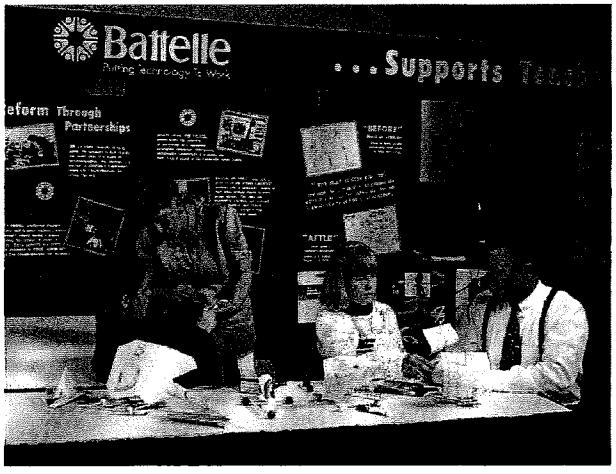
- Expanding science education resources available statewide to Tennessee students and teachers by linking ORNL with the new Tennessee Information Infrastructure, a state-managed fiber optic network connecting all K-12 and higher education institutions. ***Corporate contribution: Use of existing ORNL-UT fiber optic linkage.***



Linking ORNL with the Tennessee Information Infrastructure (a state-managed fixed optic network) will provide advanced science and education resources to schools.

- Enhancing undergraduate and graduate science education through the funding of scholarships and co-op work experience for UT's nationally acclaimed Minority Engineering Program. ***Corporate Contribution: $75,000.***

The collective benefit of these five initiatives will be a tangible and highly visible presence by ORNL that will enhance science resources for students and teachers and increase ORNL's value as a partner in the region's K-12 and university science education programs.



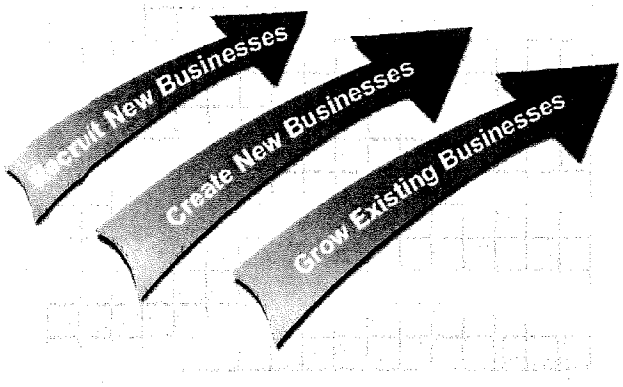
Battelle worked closely with local schools, businesses, and institutions to form the nationally recognized "Science and Math Network of Central Ohio".

Economic Development

UT-Battelle has signed a Memorandum of Understanding with the Tennessee Department of Economic and Community Development to work in partnership with the region and state to build dynamic clusters of economic activity identified by leading economic development agencies as key to the region's future.[1] We will leverage our corporate science, technology, and business resources, as well as those of the Laboratory, to support the State's efforts to grow existing businesses, create new businesses, and attract businesses from outside the region. We will be a visible and active player in the area's economic development network through our memberships in and financial support of economic development organizations. Our commitment of financial resources to this area will be ***$3,000,000***, together with significant human resource investments in specific economic development initiatives.

[1] The DRI economic development study conducted for East Tennessee defined eight potential clusters for economic growth. These are automotive/transportation, metals and materials, forest products, apparel and textiles, technology intensive products and services, business and financial services, agriculture and food products, and tourism.

We will expand the current technical assistance available to regional industry by establishing a four-state network linking ORNL's technology resources with existing industrial outreach programs at UT, Duke, Georgia Tech, North Carolina State, Virginia, and Virginia Tech. Also, we will partner with regional companies wishing to license and deploy new technology and share our corporate technology transfer expertise with them.



The UT-Battelle economic development strategy has three key priorities.

The assets of UT-Battelle and those of the Laboratory will be fully integrated to benefit the region's entrepreneurial growth. Specifically, we will have a vigorous entrepreneurial program for ORNL staff; expert marketing and business assistance and access to incubator space; "user friendly" access to unique ORNL facilities and equipment; support from Battelle's commercial market sectors; and access to seed and venture capital through Battelle's $100 million venture capital network.

We will assist state and regional efforts to recruit new industry by making available expertise from UT-Battelle as well as ORNL's technology resources. We will match the needs of the state's economic development clusters to the areas of research emphasis at the Laboratory for business recruiting.

The combined benefits of these efforts are job creation, economic diversification, the development of active DOE/UT-Battelle/community partnerships, and an enhanced awareness of ORNL's value to Tennessee's and the Southeast region's high-tech business future. As a result, both DOE and ORNL will be better understood, accepted, and supported by the public. Further, regional economic development will be enhanced.

Health, Welfare, and Civic Services

UT-Battelle will make ORNL a valued asset to the health and welfare needs of the Oak Ridge community by focusing our human and financial resources on three initiatives. Our financial contribution will total ***$660,000***. Specifically, we will:

- Create and link "Team UT-Battelle," our proposed employee volunteer program, to an extensive network of Habitat for Humanity projects in East Tennessee. Battelle has a proven track record of successfully deploying its "Team Battelle" network to Habitat for Humanity projects in the states of Ohio and Washington. ***Corporate contribution: $60,000.***

- Reinforce ORNL as an asset to community health and welfare programs through a $100,000 annual United Way contribution, as well as provide "Team UT-Battelle" volunteers to various United Way agencies. ***Corporate contribution: $500,000.***

- Establish a Day Care Center at ORNL that draws on UT's childhood education resources to provide a creative learning program. We also believe this sends a strong positive message to the local community about ORNL's role as an employer and community leader. We have a letter of commitment from KinderCare to pursue the establishment of a day care facility. ***Corporate contribution: $100,000.***

The benefits of these actions will be that DOE and ORNL are valued as caring citizens of the community. This translates into long-term public confidence in the Laboratory and an improved quality of life.

Arts and Culture

UT-Battelle will enhance the area's cultural organizations by taking a leadership role in the Arts Council of Oak Ridge, which serves as an umbrella entity for all local arts and culture endeavors. Through a major financial investment in the Council, Board membership, and other volunteer initiatives, we will help grow the arts and culture base which contributes to the local quality of life and ensures that ORNL remains part of the fabric of the community. ***Corporate contribution: $100,000.***

UT-Battelle volunteers work hard to provide housing for people in need, through projects such as Habitat for Humanity.

Comprehensive Volunteerism

In addition to the scope and quality of ORNL's scientific resources, many area citizens will view UT-Battelle's comprehensive program of volunteerism as more visible evidence of the Laboratory's value as an asset to the Oak Ridge community and the East Tennessee region. UT-Battelle believes a commitment of human resources is as important as a financial commitment to community needs in education, health and welfare, cultural and civic activities, and regional economic development. Our volunteers will be active in areas ranging from K-12 science and math assistance to developing "greenway paths" in the community.

ORNL's visibility will be heightened and its value more appreciated when citizens see volunteer efforts through the coordinated efforts of "Team UT-Battelle." In addition to making volunteer programs easier for citizens to access and understand, the association of the name "Team UT-Battelle" with numerous volunteer activities will establish an image for ORNL and DOE that is difficult to create through efforts of individual employees. Battelle has a successful track record of bringing such volunteerism programs to National Laboratory settings, and UT has encouraged such volunteerism as part of its mission throughout the state. At the Pacific Northwest National Laboratory, an aggressive "Team Battelle" volunteerism program has been implemented involving hundreds of staff volunteers, and at Brookhaven National Laboratory, planning is underway for a similar effort. ***Corporate contribution: $100,000.***

Public Awareness

ORNL is widely regarded as a great science and technology asset. At the same time, as a multi-purpose National Laboratory, its mission and core strengths are not always readily understood by the general public and the business marketplace. Four key public awareness initiatives will address this need.

- Build upon ORNL's existing reputation by implementing a public awareness and advertising campaign that will help local, regional, and national audiences better understand and appreciate the Laboratory's value to the national interest and regional economy. Through this targeted awareness program, we will also focus on market audiences that link with ORNL's science and technology strengths. Further, we believe we can target part of this initiative to supporting local and regional economic development messages. ***Corporate contribution: $500,000.***

- Take advantage of UT's extensive regional and national network of media contacts for positive news story placements.

- Emphasize the value of ORNL's mission to business and civic leaders through a UT-Battelle Speakers Bureau.

- Increase awareness of ORNL's mission among state policy makers through participation in such initiatives as the Governor's Council on Science and Technology.

We believe this public awareness program represents a progressive change in image for ORNL.

We will further advance ORNL's national and regional image through a targeted awareness campaign.

Summary

Excellence in Corporate Citizenship is a necessity for the future of ORNL and the region. Our financial resources – ***totaling $6,360,000*** – and human resources will be focused on educational, economic development, cultural, civic, health and welfare, and public awareness opportunities that enhance the quality of life of the community.

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