

## **SECTION J**

### **LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS**

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**ATTACHMENT I**

**KEY PERSONNEL**

In accordance with Clause I.83 “Key Personnel” of this contract the following personnel are identified as key to the success of this contract.

Admiral Richard H. Truly	Director
Ms. Bobi Garrett	Associate Director, Planning and Technology Management
Mr. Jack Darnell	Deputy Associate Director, Planning and Technology Management
Dr. Stanley R. Bull	Associate Director, Science and Technology
Mr. Jerry Bellows	Associate Director, Laboratory Operations
Ms. Jessie J. Harris	Associate Director, Communications and Stakeholder Relations

Should a key person voluntarily or involuntarily terminate employment at the National Renewable Energy Laboratory for any reason that information will be communicated in a timely manner to DOE, and the name of the individual selected as the replacement will be submitted to DOE for approval consistent with the provisions of I.83 “Key Personnel.

**ATTACHMENT 2**  
**SMALL BUSINESS AND SMALL DISADVANTAGED BUSINESS**  
**SUBCONTRACTING PLAN**

**ATTACHMENT 3**  
**SPECIAL FINANCIAL INSTITUTION**

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**ATTACHMENT 4**

**APPLICABLE LAWS AND REGULATIONS (LIST A)**

<b>Necessary and Sufficient Environmental, Safety and Health Standards</b>	
<b>Code of Federal Regulations</b>	
7 CFR 12	Wetland identification Criteria
10 CFR 8.4	Interpretation by the General Counsel: AEC Justification
10 CFR 835	Occupational Protection (Except Sections 101 (c), ALARA Plans and Measures, 402 (b), DOE Laboratory Accreditation Program for Personal Dosimetry, 901, General Employee Training, and 902, Radiological Workers Training)
10 CFR 1021	DOE NEPA Implementing Regulation, Subtitle B – DOE Decisionmaking
10 CFR 1021	DOE NEPA Implementing Regulation, Subtitle D – Typical Classes of Actions (including ref. Appendices A-D)
	OSH Act of 1970, Section 5 (a)(1) – General Duty Clause
29 CFR 1904	OSHA Record Keeping and Reporting Occupational Injuries and Illness
29 CFR 1910	Occupational Safety and Health Standards for General Industry
29 CFR 1926	Occupational Safety and Health Standards for the Construction Industry
33 CFR 320	General Regulatory Policies
33 CFR 323	Permits for Discharges of Dredged or Fill Material into Waters of the United States
33 CFR 325	Processing of Department of the Army Permits
33 CFR 328	Definition of Waters of the United States
33 CFR 330	Nationwide Permits
36 CFR 63	Determination of Eligibility for Inclusion in the National Registry of Historic Places
36 CFR 65	National Historic Landmarks Program
36 CFR 78	Waiver of Federal Agency Responsibilities Under Section 110 of the National Historic Preservation Act
36 CFR 79	Curation of Federally-Owned and Administered Archaeology Collections
36 CFR 800	Protection of Historic and Cultural Properties
40 CFR 50	National Primary and Secondary Ambient Air Quality Standards
40 CFR 61	National Emission Standards for Hazardous Air Pollutants
40 CFR 66	Assessment and Collection of Noncompliance Penalties By EPA
40 CFR 79	Registration of Fuels and Fuel Additives
40 CFR 82	Protection of Stratospheric Ozone
40 CFR 88	Clean-Fuel Vehicles
40 CFR 110	Discharge of Oil
40 CFR 112	Oil Pollution Prevention
40 CFR 113	Liability Limits for Small Onshore Storage Facilities
40 CFR 116	Designation of Hazardous Substances
40 CFR 117	Determination of Reportable Quantities for Hazardous Substances
40 CFR 122	EPA Administered Permit Programs: The National Pollutant Discharge Elimination System (NPDES)
40 CFR 131	Water Quality Standards
40 CFR 141	National Primary Drinking Water Regulations

40 CFR 142	National Primary Drinking Water Regulations Implementation
40 CFR 166	Exemption of Federal and State Agencies for Use of Pesticides Under Emergency Conditions
40 CFR 171	Certification of Pesticide Applicators
40 CFR 260-270	Resource Conservation and Recovery Act (RCRA)
40 CFR 261	Identification and Listing of Hazardous Waste
40 CFR 262	Standards Applicable to Generators of Hazardous Waste
40 CFR 268	Land Disposal Restrictions
40 CFR 273	Standards for Universal Waste Management
40 CFR 279	Standards for the Management of Used Oil
40 CFR 302	Designation, Reportable Quantities and Notification (CERCLA)
40 CFR 355	Emergency Planning and Notification (CERCLA)
40 CFR 370	Hazardous Chemical Reporting: Community Right-To-Know
40 CFR 401	General Provisions – Effluent Guidelines and Standards
40 CFR 403	General Pretreatment Regulations for Existing and New Sources of Pollution
40 CFR 763	Subpart G – Asbestos Abatement Projects
43 CFR 7	Protection of Archaeological Resources
49 CFR 107-199	Transportation – Hazardous Materials Regulations
49 CFR 383-399	Transportation – Federal Motor Carrier Safety Regulations
50 CFR 17	Endangered and Threatened Wildlife and Plants
50 CFR 225	Federal/State Cooperation in the Conservation of Endangered and Threatened Species
50 CFR 402	Interagency Cooperation – Endangered Species Act of 1973
50 CFR 424	Listing Endangered and Threatened Species and Designating Critical Habitat
50 CFR 450	General Provisions – Endangered Species Exemption Process
50 CFR 451	Application Process
<b>United States Code</b>	
7 USC 136 et seq.	Environmental Pesticide Control Act
7 USC 136 et seq.	Federal Insecticide, Fungicide, and Rodenticide Act
15 USC 2601 et seq.	Toxic Substances Control Act, Title II (Asbestos Hazard Emergency Response)
16 USC 431 et seq.	Antiquities Act of 1906
16 USC 470 et seq.	Archaeological Resources Protection Act of 1979 (ARPA)
16 USC 470 et seq.	National Historic Preservation Act of 1966 (NHPA)
16 USC 661 et seq.	Fish and Wildlife Coordination Act
16 USC 668 et seq.	Bald and Golden Eagle Protection Act
16 USC 703 et seq.	Migratory Bird Treaty Act
16 USC 1531 et seq.	Endangered Species Act of 1973
33 USC 1251 et seq.	Clean Water Act
33 USC 1321 et seq.	Clean Water Act, Section 311 – Oil and Hazardous Substances Liability
42 USC Sec. 300f, et seq.	Safe Drinking Water Act
42 USC 6901, et seq.	Resource Conservation and Recovery Act (RCRA)
42 USC 7401, et seq.	Clean Air Act and Amendments
42 USC 9602 CERCLA, Title I Section 102	Reportable Quantities and Additional Designations
42 USC 9603 CERCLA, Title I Section 103	Notices, Penalties
42 USC 11000-11050	Emergency Planning and Community Right-To-Know Act of 1986(EPCRA)
42 USC 13101-13109	Pollution Prevention Act of 1990
<b>DEPARTMENT OF ENERGY</b>	
	DOE Interim Notice 441.4 – Radiological Protection for DOE Activities (Except Section 6.c., Core Training Materials, and 6.g., DOE Laboratory Accreditation Program for Personal Dosimetry)
<b>Executive Order</b>	

<b>(EO)</b>	
EO 11593	Protection and Enhancement of Cultural Environment 1971
EO 11738	Providing for Administration of the Clean Air Act and the Federal Water Pollution Control Act with Respect to Federal Contracts, Grants or Loans
EO 11988	Floodplain Management
EO 11990	Protection of Wetlands
EO 12114	Environmental Effects Abroad of Major Federal Actions
EO 12843	Procurement Requirements and Policies for Federal Agencies for Ozone-Depleting Substances
EO 12856	Federal Compliance with Right-To-Know Laws and Pollution Prevention Requirements
EO 12898	Federal Actions to Address Environmental Justice in Minority Populations and Low Income Populations
EO 13101	Greening the Government Through Waste Prevention, Recycling, and Federal Acquisition
EO 13148	Greening the Government Through Leadership and Environmental Management
<b>Other Federal Standards</b>	
	Archaeological and Historic Preservation Act of 1974 (AHPA)
	EPA Air Quality Standards
	Federal Noxious Weed Act
<b>Code of Colorado Regulations (CCR)</b>	
2 CCR 402-2	Water Well Construction
2 CCR 402-4	Small Capacity Well Permits
2 CCR 406-8	Chapter 10, Article 2 and 3 – Non-Game Wildlife
5 CCR 1001.1-20	Colorado Department of Public Health & Environment, Air Quality Control Commission Regulations
5 CCR 1001-10, Regulation No. 8	Control of Hazardous Air Pollutants
5 CCR 1001-19	Control of Emission of Ozone Depleting Compounds
5 CCR 1002-31	Basic Standards and Methodologies for Surface Water
5 CCR 1002-41	The Basic Standards for Groundwater
5 CCR 1002-42	Site-Specific Water Quality Classifications and Standards for Ground Water (Rocky Flats Area)
5 CCR 1002-61	Colorado Discharge Permit System Regulations
5 CCR 1002-62	Regulations for Effluent Limits
5 CCR 1002-63	Pretreatment Regulations
5 CCR 1002-65	Regulations Controlling Discharges to Storm Sewers
5 CCR 1003-1	Primary Drinking Water Regulations
5 CCR 1003-6	Guidelines on Individual Sewage Disposal Systems
6-CCR 1007-1 Parts 1,2,3,4,8,10	Colorado Radiation Protection Standards
6 CCR 1007-1, Part 17	Transportation of Radioactive Material
6 CCR 1007-3	Colorado Hazardous Waste Regulations
7 CCR 1101-14	USTs and ASTs
8 CCR 1507-1	Colorado Operation of Commercial Vehicles and Transportation of Hazardous Material
8 CCR 1507-7	Colorado Hazardous Materials Route Designation
8 CCR 1507-8	Colorado Hazardous Materials Transportation Reporting
8 CCR 1507-9	Colorado Transporting and Shipping of Hazardous Materials
<b>Colorado Revised Statutes (CRS)</b>	
8 CRS 20.5, Parts 1-3	Petroleum Storage Tanks
25 CRS 7	Air Quality Control
25 CRS 8	Water Quality Control
25 CRS 10	Individual Sewage Disposal Systems Act
25 CRS 15, Part 1, 3	State Hazardous Waste Management Program
25 CRS 15 Part 1, 4	Infectious Waste

29 CRS 22	Hazardous Substances Incidents
33 CRS 2	Non-Game and Endangered Species Conservation
33 CRS 6	Law Enforcement and Penalties
35 CRS 5	Pest Control Districts
35 CRS 5.5	Colorado Weed Management Act
35 CRS 9	Pesticide Control Act
35 CRS 10	Pesticide Applicators Act
37CRS 90 – 101, et seq.	Colorado Ground Water Management Act
<b>American Conference of Governmental Industrial Hygienists (ACGIH)</b>	
	ACGIH Threshold Limit Values for Chemical Substances and Physical Agents (Latest Edition)
<b>American National Standards Institute (ANSI)</b>	
ANSI Z136.1 – 1993	Lasers
ANSI Z136.1	Safe Use of Lasers
<b>National Fire Protection Association (NFPA)</b>	
	NFPA – National Fire Codes (Latest Version of Each Code, Or as Adopted by the Authority Having Jurisdiction)
<b>National Institute of Health</b>	
	NIH – Guidelines for Research Involving Recombinant DNA Molecules (Latest Edition)
<b>International Conference of Building Officials</b>	
	Uniform Building Code 1997 (UBC) (Or Other Editions as Adopted and Amended by the Authority Having Jurisdiction)
	Uniform Fire Code 1997 (UFC) (Or Other Editions as Adopted and Amended by the Authority Having Jurisdiction)
<b>Other Local Standards</b>	
	Consolidated Mutual Water Company Rules
	Jefferson County Dept. of Health and Environment, Individual Sewage Disposal System Regulations
	Metro Wastewater Reclamation District Rules and Regulations as Amended 4/2/96
	Pleasant View Water and Sanitation District Rules and Regulations
	West Metro Fire Rescue Amendments to the Uniform Fire Code

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#### ATTACHMENT 5

#### APPLICABLE DIRECTIVES (LIST B)

REVISED:

The DOE Orders listed below are applicable, in whole or in part, and in accordance with Clause,  
970.5204-2, Laws, Regulations, and DOE Directives (DEC 2000)

ORDER	NAME	DATE
DOE 110.3	Conference Management	11/03/99
DOE O 130.1	Budget Formulation Process	09/29/95
DOE O 151.1A	Comprehensive, Emergency Management System	11/01/00
DOE O 200.1	Information Management Program	09/30/96
DOE O 221.1	Reporting Fraud, Waste and Abuse to the Office of Inspector General	03/22/01
DOE O 221.2	Cooperation with the Office of Inspector General	03/22/01
DOE O 225.1A	Accident Investigations	11/26/97
DOE N 231.1	Environment, Safety, and Health Reporting	01/15/02
DOE O 231.1 Change 2	Environmental, Safety, and Health Reporting	09/30/95 11/07/96
DOE O 232.1A	Occurrence Reporting and Processing of Operations Information	08/01/97
DOE 241.1A	Scientific and Technical information Management	04/09/01
DOE O 251.1A	Directives System	01/30/98
DOE O 350.1 Change 1	Contractor Human Resources Management	09/30/96 05/08/98
DOE O 412.1	Work Authorization System	04/20/99
DOE O 413.1	Management Control Program	12/06/95
DOE O 430.1A	Life-Cycle Asset Management	10/14/98
DOE O 430.2	In-House Energy Management	06/13/96
DOE O 443.1	Protection of Human Subjects	05/15/00
DOE O 470.1 Change 1	Safeguards and Security Program	06/21/96
DOE O 470.2	Security and Emergency Management Independent Oversight and Performance Assurance Program	12/23/98
DOE O 481.1B	Work for Others (Non-Department of Energy Funded)	09/28/01
DOE O 534.1A	Accounting	07/05/01
DOE O 551.1A	Official Foreign Travel	08/25/00

<b>DOE O 1220.1A Change 1</b>	<b>Congressional and Intergovernmental Affairs</b>	<b>06/28/92</b>
<b>ORDER</b>	<b>NAME</b>	<b>DATE</b>
<b>DOE O 1350.1 Change 1</b>	<b>Audio and Exhibit Management</b>	<b>10/28/81 03/26/84</b>
<b>DOE O 1450.4</b>	<b>Consensual Listening-In To or Recording Telephone/Radio Conversations</b>	<b>11/12/92</b>
<b>DOE O 2100.8A</b>	<b>Cost Accounting, Cost Recovery, and Inter-Agency Sharing of Information Technology Facilities</b>	<b>01/27/93</b>
<b>DOE O 2110.1A Change 1 Change 2</b>	<b>Pricing of Departmental Materials and Services</b>	<b>07/14/88 10/05/88 05/18/92</b>
<b>DOE O 2300.1B</b>	<b>Audit resolution and Follow-up</b>	<b>06/08/92</b>
<b>DOE O 221.2</b>	<b>Cooperation with the Office of Inspector General</b>	<b>03/22/01</b>
<b>DOE O 224.2</b>	<b>Auditing of Programs and Operations</b>	<b>03/22/01</b>
<b>Accounting Practices and Procedures Handbook (APPI) Chapter V</b>	<b>Inventories</b>	<b>05/02/83</b>
<b>APPH Chapter X</b>	<b>Product Cost Accounting</b>	<b>06/30/80</b>

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**ATTACHMENT 6**

**PERFORMANCE EVALUATION AND  
MANAGEMENT PLAN**

**(See File Titled, “Performance Evaluation Plan, Revision 2”)**

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**ATTACHMENT 7**

**PERSONNEL (APPENDIX A)  
(See File Titled, “Attachment 2, Appendix A”)**

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**ATTACHMENT 8**

**PERFORMANCE GUARANTEE**

### PART III

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### ATTACHMENT 9

<b>IDENTIFIED TREATIES AND INTERNATIONAL AGREEMENTS</b>
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COUNTRY	START DATE	TITLE	SUBJECT
Argentina	8/01/96	Specific Arrangement Between the Department of Energy of the United States of America and the Public Works and Services Secretariat of the Argentine Republic in the Area of Energy Technology Cooperation	Energy Research and Development
Argentina	10/16/97	Implementing Arrangement between the Department of Energy of the United States of America and the National Atomic Energy Commission of the Argentine Republic for Technical Exchange and Cooperation in the area of Peaceful Uses of Nuclear Energy	Arms Control and Nonproliferation
Argentina	4/13/98	Project Annex 1 Cooperation in the Field of Molybdenum 99 Production from Low-Enriched Uranium	Arms Control and Nonproliferation
Argentina	2/8/99	Action Sheet 1 Pursuant to Project Annex 1 for Cooperation in the Field of Molybdenum-99 Production for Low-Enriched Uranium Between the National Atomic Energy Commission of the Argentine Republic and the University of Chicago, as Operator of Argonne National Laboratory	Nuclear Energy
Argentina	4/13/98	Project Annex 2 Cooperation in the Area of Boron Neutron Capture Therapy	Arms Control and Nonproliferation
Argentina	8/11/98	Action Sheet 1 Pursuant to Project Annex 2 Cooperation in the Area of Boron Neutron Capture Therapy	Arms Control and Nonproliferation
Argentina	4/13/98	Project Annex 3 Cooperation in the Field of Decontamination and Decommissioning of Nuclear Facilities	Arms Control and Nonproliferation
Argentina	8/18/98	Project Annex 4 Cooperation in the Field of Low-Enriched Uranium Advance Fuels	Arms Control and Nonproliferation
Argentina	2/8/99	Action Sheet 1 Pursuant to Project Annex 4 Cooperation in the Field of Low-Enriched Uranium Advance Fuels Between the National Atomic Energy Commission of the Argentine Republic and the University of Chicago, as Operator of Argonne National Laboratory	Arms Control and Nonproliferation
Argentina	4/18/94	Agreement Between the United States Department of Energy and the National Atomic Energy Commission of Argentina Concerning Research and Development in Nuclear Material Control, Accountancy, Verification, Physical Protection, and Advanced Containment and Surveillance Technologies for International Safeguards Applications	Arms Control and Nonproliferation
Argentina	5/29/96	Implementing Arrangement between the Department of Energy of the United States of America and the National Atomic Energy Commission of Argentine Republic for Technical Exchange and Cooperation in the Area of Radioactive and Mixed Waste Management	Environmental Restoration and Waste Management
Australia	9/15/98	Arrangement Between the United States Department of Energy and the Australian Safeguards and Nonproliferation Office Concerning Research and Development in Nuclear Material Control, Accountancy, Verification, Physical Protection, Advance Containment and Surveillance Technologies for International Safeguards	Arms Control and Nonproliferation
Austria	9/18/94	Memorandum of Understanding on Cooperation in Environmental Aspects of Energy Policy and the Protection of Global Climate	Energy Efficiency and Renewable Energy

Bangladesh	12/15/98	Joint Statement of Cooperation in Energy	Energy Research and Development
Bangladesh	12/11/99	Arrangement Between the Department of Energy of the United States of America and the Ministry of Energy and Mineral Resources, Government of the People's Republic of Bangladesh for Exchange of Energy Information	Information and/or Personnel Exchange
Botswana	12/15/00	Statement of Intent Between the Department of Energy of the United States of America and the Ministry of Minerals, Energy and Water Affairs of the Republic of Botswana for Cooperation in the Field of Fossil Energy Technology	Fossil Energy
Brazil	9/30/96	Joint Statement of Intent on Clean Coal Technologies Between the Department of Energy of the United States of America and the State of Rio Grande do Sul and the State of Santa Catarina, and the Sindicato Nacional de Industria da Extacao de Cavao, Eletrabras, and the Ministry of Mines and Energy of the Federal Republic of Brazil	Fossil Energy
Brazil	10/14/97	Implementing Arrangement Between the United States of America and the Federative Republic of Brazil for Cooperation in the Area of Energy Technology	Energy Research and Development
Brazil	10/14/97	Annex I to the Implementing Arrangement between the United States of America and the Federative Republic of Brazil for Cooperation in the Area of Energy Technology in the Field of Coal and Power Systems	Fossil Energy
Brazil	10/14/97	Annex II to the Implementing Arrangement between the United States of America and the Federative Republic of Brazil for Cooperation in the Area of Energy Technology in the Field of Renewable Energy	Energy Efficiency and Renewable Energy
Brazil	10/14/97	Annex III to the Implementing Arrangement between the United States of America and the Federative Republic of Brazil for Cooperation in the Area of Energy Technology in the Field of Energy Efficiency	Energy Efficiency and Renewable Energy
Brazil	4/18/94	Agreement between the United States Department of Energy and the Brazilian-Argentine Agency for Accounting and Control of Nuclear Materials Concerning Research and Development in Nuclear Materials Control, Accountancy, Verification, and Advanced Containment	Arms Control and Nonproliferation
Brazil	9/19/95	Agreement Between the United States Department of Energy and the National Nuclear Energy Commission of Brazil Concerning Research and Development in Nuclear Materials Control, Accountancy, Verification, Physical Protection and Advanced Containment	Arms Control and Nonproliferation
Canada	7/21/95	Statement of Intent Between the United States Department of Energy and the Department of Natural Resources of Canada on Building Energy Simulation Tools	Energy Efficiency and Renewable Energy
Canada	3/18/98	Memorandum of Understanding Between the Department of Energy of the United States of America and the Department of Natural Resources of Canada on Collaboration in Energy Research and Development	Energy Research and Development
Canada	2/01/00	Implementing Arrangement Between the Department of Energy of the United States of America and the Department of Natural Resources of Canada For Cooperation in the Area of Fuel Cells	Fossil Energy
Canada	2/01/00	Implementing Arrangement Between the Department of Energy of the United States of America and the Department of Natural Resources of Canada For Cooperation in the Area of Fossil Fuels	Fossil Energy
Chile	3/7/95	Statement of Intent for Sustainable Development Cooperation and Joint Implementation of Measures to Control Emissions of Greenhouse Gases Between the Department of Energy of the United States of America and the National Energy Commission of Chile	Energy Efficiency and Renewable Energy
Chile	4/18/98	Statement of Intent Concerning the Natural Gas-Powered Bus Pilot Project in the Metropolitan Region of Chile	Energy Efficiency and Renewable Energy
China	1/31/79	Agreement Between the Government of the United States of America and the Government of the People's Republic of China on Cooperation in Science and Technology	Science and Technology
China	5/11/83	Protocol Between the Department of Energy of the United States of America and the State Science and Technology Commission of the People's Republic of China on Cooperation in the Fields of Nuclear Physics and Controlled Magnetic Fusion Research	Fusion Energy
China	9/28/87	Annex II to the Protocol on Cooperation in the Field of Fossil Energy Research and Development Between the Department of Energy of the United States of America and the Ministry of Coal Industry of the People's Republic of China in the Area of Mine Safety	Fossil Energy
China	8/19/87	Annex III to the Protocol on Fossil Energy R&D on Cooperation in the Field of Atmospheric Trace Gases	Energy Research and Development
China	10/13/87	Annex IV to Protocol on Cooperation in the Field of Fossil Energy R&D Between the U.S. Department of Energy & Ministry of Coal Industry of the People's Republic of China in the Area of Coal Preparation and Waste Stream Utilization	Fossil Energy
China	10/13/87	Annex V to Protocol on Cooperation in Field of Fossil Energy R&D Between the U.S.	Fossil Energy

		Department of Energy - Ministry of Coal Industry of the People's Republic of China in the Area of Atmospheric Fluidized Bed (AFB) Combustion Information Exchange	
China	2/23/95	Annex XI to the Protocol for Cooperation in the Field of Fossil Energy Research and Development Between the Department of Energy of the United States of America and Ministry of Coal Industry of the People's Republic of China	Fossil Energy
China	11/14/97	Annex XIII to the Protocol for Cooperation in the Field of Fossil Energy Research and Development Between the Department of Energy of the United States of America and Ministry of Coal Industry of the People's Republic of China	Fossil Energy
China	11/14/97	Annex XIV to the Protocol for Cooperation in the Field of Fossil Energy Research and Development Between the Department of Energy of the United States of America and Ministry of Coal Industry of the People's Republic of China on Bilateral Consultation	Fossil Energy
China	2/23/95	Annex XII to the Protocol for Cooperation in the Field of Fossil Energy Research and Development Between the Department of Energy of the United States of America and Ministry of Coal Industry of the People's Republic of China	Fossil Energy
China	2/23/95	Protocol for the Cooperation in the Fields of Energy Efficiency and Renewable Energy Technology Development and Utilization Between the Department of Energy of the United States of America and the State Science and Technology Commission of the People's Republic of China	Energy Efficiency and Renewable Energy
China	6/27/95	Annex I to the Protocol for Cooperation in the Field of Energy Efficiency and Renewable Energy Between the Department of Energy of the United States of America and the State Science and Technology Commission of the People's Republic of China	Energy Efficiency and Renewable Energy
China	10/25/96	Wind Energy Development in China Developing Cooperative Activities Between the Department of Energy of the United States of America and the Ministry of Electric Power of the People's Republic of China Annex II Under the Protocol for Cooperation	Energy Efficiency and Renewable Energy
China	10/25/96	Annex III to the Protocol for Cooperation in the Fields of Energy Efficiency and Renewable Energy Technology Development and Utilization Between the Department of Energy of the United States of America and the State Science and Technology Commission of the People's Republic of China	Energy Efficiency and Renewable Energy
China	10/25/96	Renewable Energy Business Development Annex IV Cooperative Activities Between the Department of Energy of the United States of America and the State Economic and Trade Commission of the People's Republic of China	Energy Efficiency and Renewable Energy
China	11/18/97	The Department of Energy of the United States of America and the Ministry of Science and Technology of the People's Republic of China for Cooperation in the Field of Energy Efficiency and Renewable Energy Technology Development and Utilization Annex V Electric Vehicle and Hybrid-Electric Vehicle Development	Energy Efficiency and Renewable Energy
China	11/18/97	Geothermal Production and Use Cooperative Activities Between the Department of Energy of the United States of America and the State Science and Technology Commission of the People's Republic of China Annex VI Under the Protocol for Cooperation	Energy Efficiency and Renewable Energy
China	7/9/98	Statement of Work Between the Department of Energy of the United States of America and the Ministry of Science and Technology of the People's Republic of China	Energy Efficiency and Renewable Energy
China	5/11/00	Renewable Energy Policy and Planning Annex VII Cooperative Activities Between the Department of Energy of the United States of America and the State Development Planning Commission of the People's Republic of China	Energy Efficiency and Renewable Energy
China	1/31/79	Implementing Accord Between the U.S. Department of Energy and the State Science and Technological Commission of the Peoples Republic of China on Cooperation in the Field of High Energy Physics	High Energy Physics
China	11/4/92	Implementing Accord Between the U.S. Department of Energy and the Chinese Academy of Sciences for a Program of Collaboration on the Superconducting Supercollider	High Energy Physics
China	1/12/00	Protocol for Cooperation Concerning the Exchange of Energy Information Between the Department of Energy of the United States of America and the National Bureau of Statistics of the People's Republic of China	Information and Personnel Exchange
China	4/20/00	Protocol of Cooperation in the Field of Fossil Energy Technology Development and Utilization Between the Department of Energy of the United States of America and the Ministry of Sciences and Technology of the People's Republic of China	Fossil Energy
China	10/29/97	United States of America and People's Republic of China Energy and Environment Cooperation Initiative	Other-Energy and Environment
China	2/23/95	Statement of Intent Between the Department of Energy of the United States of America and the China Atomic Energy Authority of the People's Republic of China on Research Reactor Fuel	Nuclear Energy
China	6/29/98	Agreement Between the Department of Energy of the United States of America and the State Development Planning Commission of the People's Republic of China on Cooperation Concerning Peaceful Uses of Nuclear Technologies	Nuclear Energy
China	6/29/98	Annex I Intellectual Property	Nuclear Energy
China	3/29/99	Memorandum of Understanding Among the State Development Planning Commission of the People's Republic of China, China Development Bank, The United States Department of Energy, and Export Import Bank of the United States Regarding Cooperation on Clean	Other-Energy and Environment

		<b>Energy Projects and Technologies</b>	
China	2/23/95	Memorandum of Understanding Between the Department of Energy of the United States of America and the State Planning Commission of the People's Republic of China on Bilateral Energy Consultations	Other-Bilateral Energy Consultations
Costa Rica	5/9/97	Statement of Intent by the Ministry of Environment and Energy of Costa Rica and the Department of Energy of the United States of America for Cooperation in the Field of Electric Transport	Energy Efficiency and Renewable Energy
Costa Rica	11/17/98	Arrangement for Information Exchange and Cooperation in the Area of Peaceful Uses of Nuclear Energy Between Argonne National Laboratory and Atomic Energy Commission of Costa Rica	Arms Control and Nonproliferation
Czech Republic	10/22/91	Agreement Between the Government of the Czech and Slovak Federal Republic and the Government of the United States of America for Scientific and Technological Cooperation	Science and Technology
Egypt	7/1/99	Implementing Arrangement Between the Department of Energy of the United States of America and the Ministry of Electricity and Energy of the Arab Republic of Egypt for Cooperation in Energy Technology	Energy Research and Development
Egypt	2/23/00	Annex 1 to the Implementing Arrangement Between the Department of Energy of the United States of America and the Ministry of Electricity and Energy of the Arab Republic of Egypt in the Field of Renewable Energy	Energy Efficiency and Renewable Energy
Egypt	2/23/00	Annex 1 to the Implementing Arrangement Between the Department of Energy of the United States of America and the Ministry of Electricity and Energy of the Arab Republic of Egypt for Cooperation in Energy Technology in the Field of Fuel Cells	Energy Efficiency and Renewable Energy
Estonia	2/4/00	Agreement Between the Department of Energy of the United States of America and the Ministry of Economic Affairs of the Republic of Estonia for Scientific and Technology Cooperation on Oil Shale Research and Utilization	Fossil Energy
Estonia	3/13/95	Memorandum of Understanding Between the Department of Energy of the United States and the Ministry of Economy of Estonia for Technical Cooperation in the Clean-up of the Paldiski Nuclear Training Site	Environmental Restoration and Waste Management
European Union	1/6/95	Agreement Between the European Atomic Energy Community Represented by the Commission of the European Communities and the United States Department of Energy in the Field of Nuclear Material Safeguards Research and Development	International Safeguards
European Union	2/18/99	Action Sheet 10 – The United States Department of Energy(DOE) and the European Atomic Energy Community Represented By the Commission of European Communities (EURATOM) for Computer Code Development for Automated Acquisition and Real-Time Analysis of Volume Measurement Data	International Safeguards
Finland	1/17/97	Implementing Arrangement Between the Department of Energy of the United States of America and the Ministry of Trade and Industry of Finland for Cooperation in Energy Research and Development	Energy Research and Development
France	10/27/83	Statement of Intent Between the United States Department of Energy and the French Commissariat A L'Energie Atomique on the West Valley Demonstration Project	Environmental Restoration and Waste Management
France	6/20/86	Statement of Intent Between the United States Department of Energy and the French Commissariat A L'Energie Atomique in the Field of Low-Level Radioactive Waste	Civilian Radioactive Waste Management
France	12/19/88	U.S. Department of Energy – Commission on Atomic Energy of France Agreement for Cooperation in High Energy Laser-Matter Interaction Physics Research and Development	Defense Programs
France	11/19/94	Implementing Arrangement #1 Between the United States Department of Energy and the French Atomic Energy Commission Concerning Sharing of Science and Technology Information Related to Megajoule-Class Solid State Lasers	Defense Programs
France	11/19/94	Implementing Arrangement #2 Between the United States Department of Energy and the French Commissariat A L'Energie Atomique on Cooperation in Megajoule-Class Solid State Laser Technology	Defense Programs
France	9/18/00	Agreement Between the Department of Energy of the United States of America and the Commissariat A L'Energie Atomique of France for Cooperation in Advanced Nuclear Reactor Science and Technology	Nuclear Energy
France	12/29/97	Agreement Between the Department of Energy of the United States and the Commissariat A L'Energie Atomique of France Concerning research and Development in the Field of Nuclear Material Control and Accounting Measures	Arms Control and Nonproliferation
France	1/20/00	Action Sheet No. 2 The United States Department of Energy of the United States and the Commissariat A L'Energie Atomique of France for Isotopic Analysis Using PC/FRAM Physics Isotopics Software	Arms Control and Nonproliferation
France	12/29/97	Agreement Between the Department of Energy of the United States and the Commissariat A L'Energie Atomique of France Concerning research and Development in the Field of Physical Protection of Nuclear Materials and Facilities	Arms Control and Nonproliferation
France	3/14/00	Action Sheet No. 3 The United States Department of Energy (DOE) and the Commissariat A L'Energie Atomique of France for Nuclear Transportation Security	International Safeguards
France	4/26/95	Agreement Between the Department of Energy and the Commissariat A L'Energie Atomique for Cooperation in Research and Development and Application of Accelerators Driven Technology	High Energy Physics
France	9/20/95	Agreement Between the United States Department of Energy and the French Commissariat	Civilian Radioactive

		A L'Energie Atomique in the Field of Radioactive Waste Management	Waste Management
France	10/8/95	Agreement Between the United States Department of Energy and the National Radioactive Waste Management Agency of France in the Field of Radioactive Waste Management	Civilian Radioactive Waste Management
Germany	2/20/98	Agreement Between the Department of Energy of the United States of America and the Federal Ministry of Education, Science, Research and Technology of the Federal Republic of Germany on Cooperation in Energy Research, Science and Technology, and Development	Energy Research and Development
Germany	5/12/98	Project Agreement Between the Department of Energy of the United States of America and the Federal Institute for Material Research and Testing of the Federal Republic of Germany: Technical Exchange and Cooperation on Transportation Requirements	Environmental Restoration and Waste Management
Germany	9/27/77	Agreement Between the United States Department of Energy and the Federal Minister for Research and Technology of Germany Cooperate in the Field of Nuclear Material Safeguards and Physical Security Research and Development	Arms Control and Nonproliferation
Ghana	10/1/96	Memorandum of Understanding Between the Department of Energy of the United States of America and the Ministry of Mines and Energy of the Republic of Ghana on Cooperation in Energy Policy, Science and Technology and Development	Energy Research and Development
Ghana	2/27/97	Implementing Arrangement Between the Department of Energy of the United States of America and the Ministry of Mines and Energy of the Republic of Ghana: Exchange of Information, Technical Assistance and Collaboration for the Establishment of the Industry	Energy Efficiency and Renewable Energy
Ghana	9/29/95	Statement of Intent Between the Department of Energy of the United States and the Ministry of Mines and Energy of the Republic of Ghana to Cooperate in the Fields of Energy Efficiency and Renewable Energy	Energy Efficiency and Renewable Energy
Ghana	10/30/95	Memorandum of Understanding for the Exchange of Technical information and for Cooperation in the Field of Peaceful Uses of Nuclear Energy Between the Ghana Atomic Energy Commission and Argonne National Laboratory	Nuclear Energy
Israel	2/1/96	Agreement Between the Department of Energy of the United States of America and the Ministry of Energy and Infrastructure of Israel Concerning Energy Cooperation	Energy Efficiency and Renewable Energy
Israel	2/22/00	Letter of Intent Between the Department of Energy of the United States of America and the Atomic Energy Commission of Israel on Cooperation in the Fields of Non-Proliferation, Arms Control, and Regional Security	
Italy	5/26/95	Agreement Between the Department of Energy of the United States of America and the Ministry of Industry, Commerce and Handicraft of Italian Republic in the Field of Energy Research and Development	Energy Research and Development
Italy	5/7/97	Annex III to the Department of Energy of the United States of America and the Ministry of Industry, Commerce and Handicraft of the Republic of Italy to Cooperate in the Field of Fossil Energy	Fossil Energy
Italy	3/24/98	Annex IV to the Agreement Between the Department of Energy of the United States of America and the Ministry of Industry, Commerce and Handicraft of the Republic of Italy in the Field of Energy Research and Development for Cooperation in Advanced Geothermal	Energy Efficiency and Renewable Energy
Italy	3/24/98	Annex V to the Agreement Between the Department of Energy of the United States of America and the Ministry of Industry, Commerce and Handicraft of the Republic of Italy in the Field of Energy Research and Development for Cooperation in the Field of Biomass	Energy Efficiency and Renewable Energy
Italy	3/24/98	Annex VI to the Agreement Between the Department of Energy of the United States of America and the Ministry of Industry, Commerce and Handicraft of the Republic of Italy in the Field of Energy Research and Development for Cooperation in the Field of Photovoltaics	Energy Efficiency and Renewable Energy
Italy	7/10/98	Annex VII to the Agreement Between the Department of Energy of the United States of America and the Ministry of Industry, Commerce and Handicraft of the Republic of Italy in the Field of Energy Research and Development for Cooperation in the Field of Elec	Energy Efficiency and Renewable Energy
Italy	10/4/93	Agreement Between the Government of the United States of America and the Government of the Italian Republic for Scientific and Technological Cooperation	Science and Technology
Italy	10/31/89	Protocol of Intent Between the Department of Energy of the United States of America and the Ministry of the University and the Scientific and Technological Research of the Republic of Italy	Information and Personnel Exchange
Japan	6/20/88	Agreement Between the Government of the United States of America and the Government of Japan on Cooperation in Research and Development in Science and Technology	Science and Technology
Japan	5/3/96	Implementing Arrangement Between the Department of Energy of the United States of America and the Science and Technology Agency of Japan in the Field of Basic Science and Technology	Science and Technology
Japan	12/3/86	Agreement Between the United States Department of Energy and the Power Reactor and Nuclear Fuel Development Corp of Japan in the Area of Radioactive Waste Management	Nuclear Energy
Japan	7/17/98	Project Annex for Cooperation in Non-Field Performance and Analyses on the Long-Term Behavior of the Engineered Barriers Under the Agreement Between the Department of Energy of the United States of America and the Power Reactor and Nuclear Fuel Development Corporation Japan in the Area of Radioactive Waste Management	Civilian Radioactive Waste Management

Japan	3/30/90	Specific Memorandum of Agreement (SMA) Between the United States Department of Energy (DOE) and the Power Reactor and Nuclear Fuel Development Corp of Japan (PNC), the Parties, for Joint Development of Remote Controlled Nondestructive Assay Safeguards	Arms Control and Nonproliferation
Japan	3/30/90	Specific Memorandum of Agreement (SMA) Between the United States Department of Energy (DOE) and the Power Reactor and Nuclear Fuel development Corp of Japan (PNC), the Parties, for Joint Research and Development of Authentication Technologies and Item Identification Safeguards	Arms Control and Nonproliferation
Japan	3/31/90	Specific Memorandum of Agreement (SMA) Between the United States Department of Energy (DOE) and the Power Reactor and Nuclear Fuel development Corp of Japan (PNC), the Parties, for Joint Research and Development Study of Plutonium (Pu) Isotopic and Concentration Mea	Arms Control and Nonproliferation
Japan	7/23/90	Specific Memorandum of Agreement (SMA) Between the United States Department of Energy (DOE) and the Power Reactor and Nuclear Fuel Development Corp of Japan (PNC), for Joint Development of Remote Controlled Nondestructive Assay Safeguards Techniques for P	Arms Control and Nonproliferation
Japan	1/25/91	Specific Memorandum of Agreement (SMA) Between the United States Department of Energy (DOE) and the Power Reactor and Nuclear Fuel Development Corp of Japan (PNC), for Joint Development of Remote Controlled Safeguard Techniques for the Monitors for the J	Arms Control and Nonproliferation
Japan	1/31/91	Specific Memorandum of Agreement (SMA) Between the United States Department of Energy (DOE) and the Power Reactor and Nuclear Fuel Development Corp of Japan (PNC), for Joint Development of Remote Controlled Safeguard Techniques for the Monitors for the	Arms Control and Nonproliferation
Japan	3/26/91	Specific Memorandum of Agreement (SMA) Between the United States Department of Energy (DOE) and the Power Reactor and Nuclear Fuel Development Corp of Japan (PNC), for Joint Studies of Plutonium Concentration and Isotopic Composition Measurements	Arms Control and Nonproliferation
Japan	3/27/96	Action Sheet 8 Between the United States Department of Energy (DOE) and the Japan Atomic Energy Research Institute (JAERI) for Exchange of Personnel to Support the Development of an Unattended Spent Fuel Block Flow Monitoring System for High Temperature E	Arms Control and Nonproliferation
Japan	2/14/97	Action Sheet 11 Between the United States Department of Energy (DOE) and the Japan Atomic Energy Research Institute (JAERI) for Establishment of a Planning and Coordination Group to Oversee the Clean Laboratory Project of JAERI for Environments Sample Anal	Arms Control and Nonproliferation
Japan	9/15/93	Agreement Between the power Reactor and Nuclear Fuel Development Corporation of Japan (PNC) and the United States Department of Energy (DOE) for Cooperation in Research and Development (R&D) Concerning Nuclear Material Control and Accounting Measures for	Arms Control and Nonproliferation
Japan	1/27/94	Action Sheet 15 Between the Department of Energy (DOE) and the Power Reactor and Nuclear Fuel Development Corporation of Japan (PNC) for the Joint Development of Waste Management Systems and Development and Application of Upgraded Glove Box Accounting System	Arms Control and Nonproliferation
Japan	3/17/95	Action Sheet 17 Between the United States Department of Energy (DOE) and the Power Reactor and Nuclear Fuel Development Corporation of Japan (PNC) for Joint Development of Improved Safeguards Methods for Nondestructive Assay Measurements of Holdup Scrap Material	Arms Control and Nonproliferation
Japan	3/4/97	Action Sheet 25 Between the Power Reactor and Nuclear Fuel Development Corporation of Japan (PNC) and the Department of Energy (DOE) for PFPF Remote Monitoring and Software Upgrades	Arms Control and Nonproliferation
Japan	2/24/97	Action Sheet 26 Between the Department of Energy (DOE) and the Power Reactor and Nuclear Fuel Development Corporation of Japan (PNC) for Joint Development of a Nondestructive Assay System for Leached Hulls	Arms Control and Nonproliferation
Japan	2/24/97	Action Sheet 27 Between the Department of Energy (DOE) and the Power Reactor and Nuclear Fuel Development Corporation of Japan (PNC) for Joint Study of Nondestructive Assay Techniques for Low Activity Solid Wastes	Arms Control and Nonproliferation
Japan	2/24/97	Action Sheet 28 Between the United States Department of Energy (DOE) and the Power Reactor and Nuclear Fuel Development Corporation of Japan (PNC) for Joint Study of the Conceptual Design for RETF Safeguards System	Arms Control and Nonproliferation
Japan	3/5/97	Action Sheet 29 Between the Department of Energy (DOE) and the Power Reactor and Nuclear Fuel Development Corporation of Japan (PNC) for PFPF Remote Monitoring and Item Identification System	Arms Control and Nonproliferation
Japan	2/19/97	Action Sheet 30 Between the United States Department of Energy (DOE) and the Power Reactor and Nuclear Fuel Development Corporation of Japan (PNC) for Joint Study of Improved Safeguards methodology Using Non-Notice Randomized Inspection	Arms Control and Nonproliferation

Japan	2/24/97	Action Sheet 31 Between the Department of Energy (DOE) and the Power Reactor and Nuclear Fuel Development Corporation of Japan (PNC) for Improvement of Dual Safeguards System at Monju EVST	Arms Control and Nonproliferation
Japan	12/18/98	Action Sheet 37 Between the Department of Energy (DOE) and the Japan Nuclear Cycle Development Institute (JNC) for Development of Plutonium Isotopic Systems for Measuring Containers in the Advanced Material Accountancy Glove Box at PFPF	Arms Control and Nonproliferation
Japan	12/18/98	Action Sheet 38 Between the Department of Energy (DOE) and the Japan Nuclear Cycle Development Institute (JNC) for Development of Remote Monitoring for Tokai Vittrification Facility Safeguards System	Arms Control and Nonproliferation
Japan	3/12/99	Action Sheet 39 Between the Department of Energy (DOE) and the Japan Nuclear Cycle Development Institute (JNC) for Development of Radiation Sensor Monitors to Improve Fuel C/S at Monju Reactor Core	Arms Control and Nonproliferation
Japan	3/22/99	Action Sheet 40 between the United States Department of Energy (DOE) and Japan Nuclear Cycle Development Institute (JNC) for Joint Research and Development Study of the Metrology of the Isotope Dilution Gamma-Ray Spectrometry (IDGS)	Arms Control and Nonproliferation
Japan	9/24/00	Action Sheet 41 between the Japan Nuclear Cycle Development Institute (JNC) and the United States Department of Energy (DOE) for Joint Study on the Conceptual Design for the RETF Safeguards System (Phase-2)	Arms Control and Nonproliferation
Japan	4/11/95	Agreement Between the Department of Energy of the United States of America and the Power Reactor and Nuclear Fuel Development Corporation in the Field of Nuclear Technologies	Nuclear Energy
Japan	7/17/95	Agreement Between the Department of Energy of the United States of America and the Japan Atomic Energy Research Institute in the Field of Nuclear Research and Technologies	Nuclear Energy
Japan	4/23/98	Specific Memorandum of Agreement Between the Japan Atomic Energy Research Institute and the Department of Energy of the United States of America for Collaborative Program of Target Development for High Power Spallation Neutron Sources	High Energy physics
Japan	6/9/97	Specific Memorandum of Agreement Between the Japan Atomic Energy Research Institute and the Department of Energy of the United States of America Concerning Research and Development in Nuclear Material Control, Accountancy, Verification and Physical Protection	Arms Control and Nonproliferation
Japan	1/27/00	Agreement Between the Department of Energy of the United States Department of Energy (DOE) and Japan Nuclear Cycle Development Institute (JNC) for Cooperation in Research and Development (R&D) Concerning Nuclear Material Control and Accounting measures for Safeguards and Nonproliferation	Arms Control and Nonproliferation
Japan	1/27/00	Action Sheet 42 between the Japan Nuclear Cycle Development Institute (JNC) and the United States Department of Energy (DOE) for Investigation of Measurements Methods for Scrap materials With High Impurities	Arms Control and Nonproliferation
Japan	1/27/00	Action Sheet 43 between the Japan Nuclear Cycle Development Institute (JNC) and the United States Department of Energy (DOE) for Design Studies and Development of NDA Techniques for In-Process and Waste Invention at Ningyo Enrichment Plant	Arms Control and Nonproliferation
Japan	1/27/00	Action Sheet 44 between the Japan Nuclear Cycle Development Institute (JNC) and the United States Department of Energy (DOE) for a Joint Study of Safeguards Systems for Dry Reprocessing Methods	Arms Control and Nonproliferation
Japan	1/27/00	Action Sheet 45 Between the Department of Energy (DOE) and the Japan Nuclear Cycle Development Institute (JNC) for Development of Plutonium Isotopic Systems for Development of the Integrated Remote Monitoring System at the Plutonium Fuel Production Facility in Japan	Arms Control and Nonproliferation
Japan	8/22/00	Agreement Between the Department of Energy (DOE) and the Japan Nuclear Cycle Development Institute (JNC) in the Field of Nuclear Technologies	Nuclear Energy
Japan	6/9/97	Specific Memorandum of Agreement Between the Department of Energy of the United States of America and the Japan Atomic Energy Research Institute for Collaborative Program of Development of a Prototype Communications Link to Share Atmospheric Dispersion	Arms Control and Nonproliferation
Japan	5/2/79	Agreement Between the Government of the United States of America and the Government of Japan on Cooperation in Research and Development in Energy and Related Fields	Energy Research and Development
Japan	1/24/83	Exchange of Notes Establishing the Cooperation in Fusion Research and Development	Fusion Energy
Japan	1/25/83	Exchange of Letters Establishing MITI-DOE Cooperation in Fusion Research and Development	Fusion Energy
Japan	1/25/83	Exchange of Letters Establishing the STA-DOE Cooperation in Fusion Research and Development	Fusion Energy
Japan	11/8/83	Implementing Arrangement Between the Japan Atomic Energy Research Institute and the United States Department of Energy on Cooperation in Fusion Research and Development	Fusion Energy
Japan	11/8/83	Annex I to the Implementing Arrangement Between the Japan Atomic Energy Research Institute and U.S. Department of Energy on Cooperation in Fusion Research and Development U.S. Japan Collaborative Testing of First Wall and Blanket Structural Materials with Mixed	Fusion Energy
Japan	6/11/87	Annex IV to the Implementing Arrangement Between the Japan Atomic Energy Research	Fusion Energy

		Institute and U.S. Department of Energy on Cooperation in Fusion Research and Development for the DOE-JAERI Collaborative Program Technology for Fusion – Fuel Pro	
Japan	1/11/90	Annex IX to the Implementing Arrangement Between the Japan Atomic Energy Research Institute and U.S. Department of Energy on Cooperation in Fusion Research and Development for the DOE-JAERI Collaboration on the Data Link	Fusion Energy
Japan	1/29/83	Exchange of Letters Establishing the Mombusho-DOE Cooperation in Fusion Research and Development	Fusion Energy
Japan	7/17/87	Annex I to the 01/25/83 Exchange of Letters Between the Japan Ministry of Education (Mombusho) and USDOE on Cooperation in Fusion R&D for Collaboration in Fundamental Studies of Irradiation Effects in Fusion Materials Utilizing Fission	Fusion Energy
Japan	12/12/88	Annex II to the January 25, 1983 Exchange of Letters Between Mombusho of Japan and the Department of Energy of the United States on Cooperation in Fusion Research and Development Mombusho – DOE Collaboration on a Data Link and Data Link Projects for Fusion	Fusion Energy
Japan	1/17/01	Amendment 4 of Annex I to the DOE – Mombusho Exchange of Letters on Cooperation in Fusion Research and Development	Fusion Energy
Japan	5/19/86	Implementing Arrangement Between the Agency of Industrial Science and Technology and the United States Department of Energy in Coal Energy Research and Development	Fossil Energy
Japan	10/16/87	Implementing Arrangement Between the Agency of Industrial Science and Technology and the Agency of Natural Resources and Energy of Japan and the United States Department of Energy in Coal Research and Development	Fossil Energy
Japan	8/28/79	Agreement Between the United States Department of Energy and the Japan Atomic Energy Research Institute on Cooperation in Doublet III Project	Fusion Energy
Japan	11/11/79	Implementing Agreement Between the Department of energy of the United States of America and the Ministry of Education, Science and Culture of Japan on Cooperation in Field of High Energy Physics	High Energy Physics
Kazakhstan	7/12/96	Agreement Between the Department of Energy of the United States of America and the Ministry of Science-Academy of Sciences of the Republic of Kazakhstan on Scientific Research and Development and Technology Exchange Programs	Science and Technology
Kazakhstan	5/13/97	Annex I For the Conduct of the Remote Sensing Mission (AMPS) in the Republic of Kazakhstan	Other
Kazakhstan	12/19/00	Implementing Arrangement Between the Department of Energy of the United States of America and the Ministry of Science- Academy of Sciences of the Republic of Kazakhstan on Scientific Research and Development and Technology Exchange Programs	Science and Technology
Korea Republic of	7/28/93	Agreement Relating to Scientific and Technical Cooperation Between the Government of the United States and the Government of the Republic of Korea	Science and Technology
Korea Republic of	6/14/96	Implementing Arrangement Between the Department of Energy of the United States of America and the Ministry of Science and Technology of the Republic of Korea for Cooperation in the Area of Fusion Energy Research and Related Fields	Fusion Energy
Korea Republic of	10/25/94	Implementing Arrangement Between the Department of Energy of the United States of America and the Ministry of Science and Technology of the Republic of Korea for Cooperation in the Area of Solar Energy Technology Research	Energy Efficiency and Renewable Energy
Korea Republic of	6/13/94	Implementing Arrangement No. 2 Between the Department of Energy of the United States of America and the Ministry of Science and Technology of the Republic of Korea for Cooperative Laboratory Relations Between the Pittsburgh Energy Technology Center and the	Fossil Energy
Korea Republic of	10/25/94	Implementing Arrangement Between the Department of Energy of the United States of America and the Ministry of Science and Technology of the Republic of Korea for Cooperation in the Area of Energy Conservation and Environmental Technology	Energy Research and Development
Korea Republic of	10/25/94	Implementing Arrangement Between the Department of Energy of the United States of America and the Ministry of Science and Technology of the Republic of Korea for Cooperation in the Area of Solar Energy Technology Research	Energy Research and Development
Korea Republic of	6/13/94	Annex I to Implementing Arrangement No. 2 Between Pitts	
Korea Republic of	6/14/96	Memorandum of Understanding Between the Department of Energy of the United States of America and the Ministry of Science and Technology of the Republic of Korea for a Cooperative Laboratory Relationship	Nuclear Energy
Korea Republic of	6/29/00	Annex 4 Joint Project on Cintichem Technology Between the Department of Energy of the United States of America and the Korea Atomic Energy Research Institute under the Memorandum of Understanding Between the Department of Energy of the United States of America and the Ministry of Science and Technology of the Republic of Korea for a Cooperative Laboratory Relationship	Nuclear Energy
Korea Republic of	9/19/94	Arrangement Between the United States Department of Energy and the Ministry of Science and Technology of the Republic of Korea Concerning Research and Development in Nuclear Material Control, Accountancy, Verification, Physical Protection and Advance Con	Arms Control and Nonproliferation
	11/7/95	Action Sheet 1 Between the U.S. Department of Energy (DOE) and the Ministry of	Arms Control and

Korea Republic of		Science and Technology (MOST) of the Republic of Korea for Cooperation on the Development and Implementation of a Safeguards System for DUPIC	Nonproliferation
Korea Republic of	11/7/95	Action Sheet 2 Between the U.S. Department of Energy (DOE) and the Ministry of Science and Technology (MOST) of the Republic of Korea for Joint Collaboration on Development of Human Resource for Nuclear Safeguards Inspection	Arms Control and Nonproliferation
Korea Republic of	11/7/97	Action Sheet 3 Safeguards Agreement Between the United States of America Department of Energy and Republic of Korea – Ministry of Science and Technology Low Background Gamma Spectrometry	Arms Control and Nonproliferation
Mexico	6/15/72	Agreement Between the United States of America and Mexico for Scientific and Technical Cooperation	Science and Technology
Mexico	5/7/96	Agreement Between the Department of Energy of the United States of America and the Secretariat of Energy of the United Mexican States for Energy Cooperation	Energy Research and Development
Mexico	6/10/98	Project Annex 1 Cooperation in the Field of Renewable Energy	Energy Efficiency and Renewable Energy
Mexico	6/10/98	Project Annex 2 Cooperation in the Field of Energy Efficiency	Energy Efficiency and Renewable Energy
Mexico	10/21/98	Project Annex 3 Environmental Cooperation in the Field of Hydrocarbons	Energy Efficiency and Renewable Energy
Mexico	12/7/99	Project Annex 4 Environmental Cooperation in the Field of Clean Fossil Energy Technologies	Fossil Energy
Mexico	3/25/85	Memorandum of Understanding (MOU) for the Exchange of Technical Information and for Cooperation in the Field of Peaceful Uses of Nuclear Energy Between the National Institute of Nuclear Research of Mexico and the Los Alamos National Laboratory of the United States of America	Arms Control and Nonproliferation
Mexico	3/09/01	Fifth Hemispheric Energy Ministers Meeting Mexico City, Mexico – March 9, 2001. Mexico Declaration – Energy: A Crucial Factor for Integration and Sustainable Development in the Hemisphere	Fifth Hemispheric Energy Ministers Meeting
Morocco	10/16/00	Agreement Between the Department of Energy of the United States of America and the Ministry of Industry, Commerce, Energy and Mines of the Kingdom of Morocco Concerning Cooperation in Energy Efficiency and Renewable Energy	Energy Efficiency and Renewable Energy
Nigeria	7/23/80	Memorandum of Intent Concerning Energy Cooperation Between the government of the United States of America and the Federal Republic of Nigeria	Energy Efficiency and Renewable Energy
Nigeria	8/14/99	Memorandum of Understanding Between the Department of Energy of the United States of America and the Federal Ministry of Power and Steel of the Federal Republic of Nigeria on Energy Policy	Other – Energy Policy
Pakistan	9/24/94	Joint Statement of Intent Between the Department of Energy of the United States of America and the Environment and Urban Affairs Division of the Islamic Republic of Pakistan	Other- Climate Change
Pakistan	9/24/94	Statement of Intent Between the Department of Energy of the United States of America and the Ministry of Petroleum and Natural Resources, Government of the Islamic Republic of Pakistan	Fossil Energy
Pakistan	9/24/94	Statement of Intent Between the Department of Energy of the United States of America and the Ministry of Water and Power, Government of the Islamic Republic of Pakistan	Energy Efficiency and Renewable Energy
Palestinian Authority	2/22/00	Joint Statement of Intent Between the Department of Energy of the United States of America and the Palestinian Energy Authority on Cooperation in the Field of Energy	Energy Research and Development
Peru	6/17/91	Arrangement for the Exchange of Technical Information and for Cooperation in the Field of Peaceful Uses of Nuclear Energy Between the Peruvian Institute of Nuclear Energy and the Los Alamos National Laboratory	Arms Control and Nonproliferation
Peru	3/08/01	Joint Statement of Intent Between the Department of Energy of the United States of America and the Ministry of Energy and Mines of the Republic of Peru on Cooperation in the field of Energy	Cooperation in the Field of Energy
Philippines	6/19/97	Memorandum of Agreement Between the Department of Energy of the United States of America and the Department of Energy of the Republic of the Philippines for the Exchange of Energy Information	Information and/or Personnel Exchange
Poland	9/28/87	Agreement Between the Government of the United States of America and the Government of the Polish People's Republic on Cooperation in Science and Technology and its Funding	Science and Technology
Poland	8/21/95	Agreement for Technical Exchange and Cooperating Between the Department of Energy of the United States of America and the Institute for Ecology of Industrial Areas of the Republic of Poland in the Area of Environmental Restoration and Hazardous Waste Management	Environmental Restoration and Waste Management
Romania	3/29/99	Arrangement for Information Exchange and Cooperation in the Area of Peaceful Uses of Atomic Energy Between the United States Department of Energy (DOE) and the Ministry	Arms Control and Nonproliferation

		of Industry and Commerce (MIC) – Romania	
Russian Federation	6/1/90	Agreement Between the United States of America and the Union of Soviet Socialist Republics on Scientific and Technical Cooperation in the Field of Peaceful Uses of Atomic Energy	Science and Technology
Russian Federation	9/16/96	Memorandum of Cooperation Between the Department of Energy of the United States of America and the Ministry of the Russian Federation on Atomic Energy in the Fields of Environmental Restoration and Waste Management	Environmental Restoration and Waste Management
Russian Federation	9/16/96	Memorandum of Cooperation Between the United States of America and the Russian Federation in the Field of Civilian Nuclear Reactor Safety	Nuclear Energy
Russian Federation	9/16/96	Memorandum of Cooperation Between the Department of Energy of the United States of America and the Ministry of the Russian Federation on Atomic Energy in the Field of Magnetic Confinement Fusion	Fusion Energy
Russian Federation	9/16/96	Annex I List of Organizations that Could Participate	Nuclear Energy
Russian Federation	2/17/97	Memorandum of Cooperation in the Field of Research on Fundamental Properties of Matter Between the Department of Energy of the United States of America and the Ministry of Atomic Energy and the State Committee for Science and Technologies of the Russian Federation	Other
Russian Federation	2/18/93	Agreement Between the Government of the United States of America and the Government of the Russian Federation Concerning the Disposition of Highly Enriched Uranium Extracted From Nuclear Weapons	Nuclear Energy
Russian Federation	9/16/96	Agreement Between the Department of Energy of the United States of America and the Ministry of the Russian Federation on Atomic Energy Regarding a Russian-American Fuel Cell Consortium	Other
Russian Federation	10/1/93	Memorandum of Cooperation in Energy Efficiency and Renewable Energy Between the United States Department of Energy and the Russian Federation Ministry of Fuels and Energy	Energy Efficiency and Renewable Energy
Russian Federation	1/14/94	Agreement Between the Government of the United States of America and the Government of the Russian Federation on Cooperation in Research on Radiation Effects for the Purpose of Minimizing the Consequences of Radioactive Contamination on Health and the Environment	Environmental Safety and Health
Russian Federation	6/16/95	Memorandum of Agreement Between the Department of Energy of the United States of America and the International Science and Technology Center in the Russian Federation for Cooperation in Approved Projects to Facilitate the Nonproliferation of Weapons and W	Arms Control and Nonproliferation
Russian Federation	6/15/95	Annex III to the Memorandum of Agreement Between the Department of Energy of the United States of America and the International Science and Technology Center in the Russian Federation Concerning Cooperation in Approved Projects to Facilitate the Nonproliferation of Weapons	Arms Control and Nonproliferation
Russian Federation	6/22/99	Annex I to the Memorandum of Agreement Between the Department of Energy of the United States of America and the International Science and Technology Center in the Russian Federation Concerning Cooperation in Approved Projects to Facilitate the Nonproliferation of Weapons	Arms Control and Nonproliferation
Russian Federation	3/16/94	Protocol of Meeting Between the United States and the Russian Federation on the Replacement of Russian Plutonium Production Reactors	Nuclear Energy
Russian Federation	9/22/98	Agreement Between the Government of the United States and the Russian Federation on the Nuclear Cities Initiative	Arms Control and Nonproliferation
Russian Federation	3/24/99	Memorandum of Understanding Between the Department of Energy of the United States of America and the Russian Academy of Sciences on Cooperation in Science and Technology	Science and Technology
Russian Federation	5/15/00	Implementing Arrangement #1 Under the Memorandum of Understanding Between the Department of Energy of the United States of America and the Russian Academy of Sciences on Cooperation in Science and Technology – Geologic Analogues, Migration and Accumulation of Radionuclides in Geologic Media	Science and Technologies
Russian Federation	5/16/00	Appendix D Implementing Arrangement # 1 of the U.S. Department of Energy/Russian Academy of Sciences Memorandum of Understanding Uranium Mass Transport Phenomena in Fractured Welded Tufts	Environmental Restoration and Waste Management
Russian Federation	5/18/00	Appendix G Implementing Arrangement # 1 of the U.S. Department of Energy/Russian Academy of Sciences Memorandum of Understanding The Interaction of Actinides and Fission Products with Environmental Matrices	Civilian Radioactive Waste Management
Russian Federation	5/18/00	Appendix H Implementing Arrangement # 1 of the U.S. Department of Energy/Russian Academy of Sciences Memorandum of Understanding Actinide Speciation in the Environment to Support Safety Assessment of Geologic Repositories and for Remediation of Contaminated Sites	Civilian Radioactive Waste Management
Russian Federation	5/15/00	Implementing Arrangement #2 Under the Memorandum of Understanding Between the Department of Energy of the United States of America and the Russian Academy of Sciences on Cooperation in Science and Technology – Risk Assessment and Advanced	Environmental Restoration and Waste Management

		Modeling Regarding Geologic Disposal	
Russian Federation	6/2/00	Appendix C Implementing Arrangement #2 of the U.S. Department of Energy/Russian Academy of Sciences Memorandum of Understanding Interdisciplinary Fundamental Research to Further Develop the Methods of Describing and Modeling Contaminant Transport in Unsaturated Rocks	Civilian Radioactive Waste Management
Russian Federation	5/31/00	Appendix D Implementing Arrangement #2 of the U.S. Department of Energy/Russian Academy of Sciences Memorandum of Understanding Characterization of Contaminated Territories, Monitoring Network Optimization, and Cost Minimization	Environmental Restoration and Waste Management
Russian Federation	5/31/00	Annex B of Appendix D Implementing Arrangement #2 under the DOE-RAS Memorandum of Understanding Uncertainty Assessment Through Incorporation of Mathematical Geology in Development of Inverse Flow and Transport Models	Environmental Restoration and Waste Management
Russian Federation	4/25/01	Appendix K Under Implementing Arrangement #1 of the Memorandum of Understanding Between the U.S. Department of Energy and Russian Academy of Sciences on Cooperation in Science and Technology	Science and Technology
Russian Federation	10/1/00	Appendix D Implementing Arrangement #1 of the U.S. Department of Energy/Russian Academy of Sciences Memorandum of Uranium Mass Transport Phenomena in Fractured Welded Tufts	Uranium Mass Transport Phenomena in Fractured Welded Tufts
Russian Federation	3/18/92	U.S.-Russia Task Force on Cooperation in Electric Power Technologies Joint Statement of Intent	Information and/or Personnel Exchange
Russian Federation	7/24/98	Agreement Between the Government of the United States of America and the Government of the Russian Federation on Scientific and Technical Cooperation in the Management of Plutonium That Has Been Withdrawn from Nuclear Military Programs	Arms Control and Nonproliferation
Senegal	4/2/98	Memorandum of Understanding Between the Republic of Senegal and the United States of America for Cooperation on Energy Policy, Science and Technology, and Research and Development	Energy Research and Development
Senegal	3/19/99	Agreement Between the Department of Energy and the Ministry of Energy, Mines, and Industry of the Republic of Senegal on Cooperation in Energy Policy, Science and Technology, and Research and Development	Energy Research and Development
South Africa	12/4/97	Agreement for Cooperation Between the United States of America and the Republic of South Africa Concerning Peaceful Use of Nuclear Energy	Nuclear Energy
South Africa	12/5/95	Implementing Agreement Between the United States Department of Energy and the Department of Mineral and Energy Affairs of South Africa on Collaboration on Energy, Policy, Science, Technology and Development	Energy Research and Development
South Africa	8/25/95	Memorandum of Understanding Between the World Wildlife Fund – South Africa, Earthkind International, U.S. Department of Energy and U.S. Agency for International Development on Creating the Sustainable Development Resource Center	Energy Research and Development
South Africa	8/25/95	Memorandum of Understanding	Energy Efficiency and Renewable Energy
South Africa	8/25/95	Memorandum of Understanding Between Sandia National Laboratories of Albuquerque New Mexico, USA and the Independent Development Trust Cape Town, Republic of South Africa	Energy Efficiency and Renewable Energy
South Africa	12/5/95	Implementing Agreement Between the United States Department of Energy and the Department of Mineral and Energy Affairs of South Africa on Collaboration on Energy, Policy, Science, Technology and Development	Energy Research and Development
South Africa	8/25/95	Joint Statement of Intent Between the Department of Energy of the United States of America and the Department of mineral and Energy Affairs of the Republic of South Africa on an Energy Information Exchange	Information and/or Personnel Exchange
South Africa	8/25/95	Joint Statement of Intent Between the Department of Energy of the United States of America and the Department of mineral and Energy Affairs of the Republic of South Africa on Energy Policy, Science and Technology, and Development	Energy Research and Development
South Africa	8/25/95	Joint Statement of Intent for Integrated Industrial/Educational Development in Guguletu Township Between the United States Department of Energy, United States Department of Energy National Laboratories, and the Guguleu RDP Forum	Energy Efficiency and Renewable Energy
South Africa	8/25/95	Statement of Intent on Renewable Energy Technologies Between the National Renewable Energy Laboratory, USA and Sandia National Laboratories, USA and the CSIR (Council for Scientific and Industrial Research), Republic of South Africa	Energy Efficiency and Renewable Energy
South Africa	12/5/95	Statement of Intent Concerning Cooperation in Sustainable Energy Development and the Mitigation of Greenhouse gases Between the Republic of South Africa and the United States of America	Fossil Energy
South Africa	12/5/95	Cooperative Agreement Between Provincial Governments of the Republic of South Africa on Regional Cooperation in Energy	Energy Research and Development
Spain	9/15/97	Implementing Arrangement Between the Department of Energy of the United States of America and the Ministry of Industry and Energy of the Kingdom of Spain on Cooperation in Research on Radiological Evaluations	Environmental Safety and Health
Spain	9/15/97	Project Annex I – Cooperation on Research in Radiological Evaluations	Environmental Safety and Health

Spain	12/12/85	Agreement Between the United States Department of Energy and the United States – Spain Joint Committee for Scientific and Technological Cooperation	Science and Technology
Spain	7/15/00	Memorandum of Understanding Between the Ministry of Science and Technology of Spain and the Department of Energy of the United States of America Concerning Cooperation in Energy	Energy Research and Development
Sweden	9/9/80	Agreement Between the United States Department of Energy and the Swedish Nuclear Fuel and Waste Management Company Concerning a Cooperative Program in the Field of Radioactive Waste Management	Civilian Radioactive Waste Management
Sweden	2/11/88	Subject and Umbrella Contents are Classified	Other
Switzerland	12/23/97	Agreement Between the Department of Energy of the United States of America and the National Cooperative for the Disposal of Radioactive Waste in Switzerland in the Field of Radioactive Waste Management	Civilian Radioactive Waste Management
Thailand	3/20/97	Arrangement for the Exchange of Technical Information and for Cooperation in the Field of Peaceful Uses of Nuclear Energy Between the Office of Atomic Energy for Peace of Thailand and the United States Department of Energy	Arms Control and Nonproliferation
Thailand	3/6/00	Action Sheet 1 Between the Office of Atomic Energy for Peace of Thailand and the United States Department of Energy for Preliminary Safety Analysis Report Review	Arms Control and Nonproliferation
Ukraine	4/26/96	Memorandum of Understanding on Participation In and Support of the Activities of the International Chernobyl Center on Nuclear Safety, Radioactive Waste and Radioecology	Other- Radioactive Waste
Ukraine	7/22/98	Agreement Between Government of the United States of America and the Government of Ukraine Concerning the International Radioecology Laboratory of the International Chernobyl Center on Nuclear Safety, Radioactive Waste and Radioecology	Other- Radioactive Waste
Ukraine	5/6/98	Agreement for Cooperation Between the United States of America and Ukraine Concerning Peaceful uses of Nuclear Energy	Nuclear Energy
Ukraine	4/8/94	Joint Statement About paths to the Soonest possible Shutdown of the Chernobyl Nuclear power Plant	Nuclear Energy
United Kingdom	8/26/88	Agreement on the Exchange of Information in the Field of Gas-Cooled Reactor Graphite Technology Between the U.S. Department of Energy and the United Kingdom Atomic Energy Agency and the Central Electricity Generating Board of the United Kingdom	Nuclear Energy
United Kingdom	6/11/90	Memorandum of Understanding Between the U.S. Department of Energy and the Department of Energy of the United Kingdom of Great Britain and Northern Ireland on Collaboration in Energy Research and Development	Energy Research and Development
United Kingdom	5/14/85	Memorandum of Understanding Between the Government of the United States of America as Represented by the Department of Energy and the Government of the United Kingdom of Great Britain and Northern Ireland as Represented by the Department of Energy	Information and/or Personnel Exchange
United Kingdom	7/25/95	Heads of Agreement for Cooperation Between the United States Department of Energy and the United Kingdom Department of Trade and Industry on their Perspective Program for Nuclear Clean-up	Environmental Restoration and Waste Management
United Kingdom	9/5/96	Statement of Intent Between the United States Department of Energy and the United Kingdom Department of Trade and Industry	Environmental Restoration and Waste Management
United Kingdom	11/6/00	Memorandum of Understanding Between the Department of Energy of the United States of America and the Department of Trade and Industry of the United Kingdom of Great Britain and Northern Ireland on Collaboration in Energy Research and Development	Energy Research and Development
Venezuela	10/13/97	Agreement for Energy Cooperation Between the Department of Energy of the United States of America and the Ministry of Energy and Mines of the Republic of Venezuela	Energy Research and Development
Venezuela	7/10/80	Project Annex I Between the Department of Energy of the United States of America and the Ministry of Energy and Mines of Venezuela for the Joint Characterization of Heavy Crude Oils	Fossil Energy
Venezuela	9/29/80	Project Annex IV Between the Department of Energy of the United States of America and the Ministry of Energy and Mines of the Republic of Venezuela in the Area of Enhanced Oil Recovery Thermal Process	Fossil Energy
Venezuela	3/14/84	Project Annex X Between the Department of Energy of the United States of America and the Ministry of Energy and Mines of the Republic of Venezuela for On-Site Training of Petroleum Engineers	Fossil Energy
Venezuela	2/16/89	Project Annex XIV Between the Department of Energy of the United States of America and the Ministry of Energy and Mines of the Republic of Venezuela for the Exchange of Energy Related Personnel	Fossil Energy
Venezuela	4/26/94	Implementing Agreement XV to the Memorandum of Understanding Between the Department of Energy of the United States of America and the Ministry of Energy and Mines of the Republic of Venezuela in the Area of Oil Recovery Information and Technology Transfer	Fossil Energy
Venezuela	8/15/95	Implementing Agreement XVI to the Memorandum of Understanding Between the Department of Energy of the United States of America and the Ministry of Energy and Mines of the Republic of Venezuela in the Area of Oil and Petrochemistry Ecology and	Fossil Energy

		Environmental Research	
Venezuela	9/7/95	Implementing Agreement XVI to the Memorandum of Understanding Between the Department of Energy of the United States of America and the Ministry of Energy and Mines of the Republic of Venezuela in the Area of Drilling Technology	Fossil Energy

## **PART III**

### **SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS**

#### **ATTACHMENT 10**

#### **SUBCONTRACTS, PURCHASE ORDERS AND OTHER ACTIONS REQUIRING DOE REVIEW AND APPROVAL AND OTHER AGREEMENTS BETWEEN THE PARTIES**

This Appendix, implementing the Article entitled Contractor Purchasing System, sets forth the requirements for DOE's approval under the prime contract for the operation of National Renewable Energy Laboratory.

Subcontracts not binding on DOE Subcontracts and purchase orders shall be made in the name of Midwest Research Institute, shall not bind nor purport to bind the Government, shall not relieve the Midwest Research Institute of any obligation under this contract (including, among other things, the obligation to properly supervise and coordinate the work of subcontractors), and shall contain such provisions as are required by this contract or as DOE may prescribe because of statutes, regulations or DOE policies as directed by the Contracting Officer.

As used herein, the term "subcontract" includes purchase orders, letter agreements, and similar contractual arrangements which will result in costs being properly charged to the prime contract with DOE.

All subcontracts in excess of ten percent of the of the small purchase schedule set forth in FAR Part 13, including those for services (except employment), material, supplies and equipment (or for their use) shall be reduced to writing.

- I. Prior DOE review and written approval are required for subcontract actions which fall within any one of the following categories:
  1. Fixed-price subcontracts in excess of \$1,000,000 and cost-type, time and material and labor-hour subcontracts in excess of \$1,000,000.
  2. All subcontracts and purchase orders for construction and architect-engineer services in excess of \$500,000.
  3. Any modification of a construction or architect-engineer subcontract (as defined above) when such modification exceeds \$100,000. In addition, for all other types of subcontracts, any modification that will increase the initial award by 100 percent or more.
  4. Consulting services on forms approved by DOE will not require further review and approval; provided however, that any consultants fees must have the prior written approval of DOE when the daily rate is in excess of \$1,200; and/or when the total cost of the agreement exceeds \$25,000, or modifications to the agreement increases the total cost by more than \$25,000; or for employees of another Government or DOE organization, or former employees of NREL and their subcontractors.

5. All subcontracts and purchase orders which involve the acquisition (purchase or lease) of motor vehicles, aircraft, and printing equipment.
  6. All subcontracts and purchase orders which involve the acquisition of commercial printing in excess of \$2,500.
  7. All procurement of Special Items reference in DEAR 970.5244-1(q) through channels or sources different from those specified in such regulation.
  8. The furnishing of a foreign-made end product or component as defined in the article(s) I.41 52.225-1 "Buy American Act-Balance of Payments Program – Supplies (FEB 2000) and I.43 52.225-11 "Buy American Act – Balance of Payments Program – Construction Materials Under Trade Agreements (FEB 2000) of the prime contract, except such supplies as are excepted from the operation of the Act(s). Determinations of non-availability may be made by the Contractor's Business Team leader or Administrative Associates for individual procurement actions not in excess of \$100,000. The furnishing of a foreign-made end product will not require prior DOE approval unless another approval unless another approval threshold is exceeded.
  9. Any subcontract which entails the payment of royalties or the purchase of a license.
  10. Purchase of patents or patent license rights, including the payment of royalties, and permits or license fees except for license agreements for commercial software.
  11. The recognition of proprietary rights, including the recognition of technical data as trade secrets.
  12. Any restriction of DOE's use of the supplies or data procured under a subcontract.
  13. The cancellation or termination of a subcontract or any part hereof which may result in termination or cancellation costs, or which results in a need to purchase the cancelled supplies or services from another supplier, require approval by DOE.
  14. Intracompany transfers.
  15. All leases for property, plant, or equipment when the lease must be classified and accounted for as a capital lease under generally accepted accounting principles.
  16. Leasing, purchasing, or otherwise acquiring real property, for the cost of which reimbursement will be claimed under the contract.
  17. All acquisitions of integrated data processing equipment in excess of \$250,000.
  18. All subcontracts or purchase orders which contain an "indemnification" or "hold harmless" provision in favor of the subcontractor.
- II. Pursuant to Department of Energy Acquisition Regulation 970.4401-3, Advance Notification, advance notice to the DOE Contracting Officer of the proposed award of the following specified types of subcontracts:
- (1) Cost reimbursement type contracts of any award value.
  - (2) Fixed price type contracts which exceed \$25,000.
  - (3) Purchases from contractor-affiliated sources over a value established by the HCA.

Advance notification shall contain, at a minimum, the following:

- (1) Description of work
- (2) Estimated cost (and estimated fee, if any).
- (3) Type of contract or reimbursement provisions.
- (4) Anticipated period of performance. If modifying an existing subcontract, the previous performance periods and dollar values.
- (5) Proposed subcontractor or vendor, if known.
- (6) Extent of competition, or justification for a non-competitive procurement.
- (7) Subcontract Administrator, Program Manager, and telephone numbers.

Notification should be forwarded to the Contracting Officer as soon as information is known and before solicitation. The Contracting Officer may at any time request additional information that must be furnished prompt and prior to award of the procurement.

III. Unless otherwise directed by the Contracting Officer, the approval request for subcontracts required in I. above shall include:

1. A description of the supplies or services to be called for by the subcontract.
2. Identification of the proposed subcontractor and an explanation of why and how the proposed subcontractor was selected, including the degree of competition obtained.
3. The subcontractor's current, complete and accurate cost or pricing data and Certificate of Current Cost and pricing Data when such data and certificate required by other provisions of this contract are to be obtained from the subcontractor. Cost or Pricing data shall be obtained, in accordance with FAR 15.403 and 15.403-1 through 15.403-4.
4. Identification of the type of subcontract to be used.
5. A memorandum of negotiation which sets forth the principle elements of the contract price negotiations. A copy of this memorandum shall be in sufficient detail to reflect the most significant considerations controlling the establishment of initial or revised prices. The memorandum should include an explanation of why cost or pricing data was or was not required, and if it was or was not required in accordance with FAR 15.403, and 15.403-1 through 15.403-4, a statement of the basis for the determination. If cost or pricing data was submitted and a certificate of current cost or pricing data was required, the memorandum shall reflect the extent to which this data was used by the Contractor in determining the total price cost objective and in negotiating the final price. The memorandum shall also reflect the extent to which it was recognized in the negotiation that any cost or pricing data submitted by the subcontractor was not accurate, complete, or current; the action taken by the Contractor and the subcontractor as a result and the effect, if any, of such defective data in the total price negotiated. Where the total price negotiated differs significantly from the Contractor's total price objective the memorandum shall explain this difference.

IV. AGREEMENTS

NREL commits to become fully compliant with the requirements of the following six Management and Operating Contract clauses within 6 months after the rewritten prime contract is signed.

Clause	Title	Action Required for Full Compliance
I-23	Small Disadvantaged Business Participation Program-Disadvantaged Status and Reporting	<ul style="list-style-type: none"> <li>• Rewrite Small Business Program Plan.</li> <li>• Rewrite Reference Guide procedure.</li> <li>• Modify Representations and Certifications.</li> <li>• Modify Terms and Conditions.</li> </ul>
I-46	Utilization of Indian Organizations and Indian Owned Economic Enterprises	<ul style="list-style-type: none"> <li>• Requires design, development, and implementation of an Indian Organizations program. Most likely to be consolidated with Small Business Program Plan (Socio-economic Program Plan).</li> <li>• Requires guidance and funding from DOE/GO regarding implementation.</li> <li>• Write new Reference Guide procedure.</li> <li>• Write new Reqs and Certs section.</li> <li>• Modify Terms and Conditions.</li> </ul>
I-69	Submission of Commercial Transportation Bills to the General Services Administration for Audit	<ul style="list-style-type: none"> <li>• Requires design, development, and implementation of a program for identifying and reporting transportation bills to the GSA.</li> <li>• Write new desk procedure.</li> <li>• Develop report formats.</li> </ul>

I-88	Energy Policy Act subcontracting goals and Reporting Requirements	<ul style="list-style-type: none"> <li>• Requires design, development, and implementation of an EAct Target Entities program. Most likely to be consolidated with rewrite Small Business Program Plan (Socio-economic Program Plan).</li> <li>• Requires coordination and cooperation with NREL technical sponsors of subcontracted efforts.</li> <li>• Write new CBS Reference Guide procedure.</li> <li>• Write new Reqs and Certs section.</li> <li>• Write new article for Subcontract Schedule.</li> <li>• Modify Terms and Conditions.</li> </ul>
I-89	Displaced Employee Hiring Preference	<ul style="list-style-type: none"> <li>• Requires design, development, and implementation of a plan to provide consideration for job applicants covered by this clause.</li> <li>• Consult with HR professionals at DOE to achieve consistency across the complex.</li> <li>• Modify HR procedures, as appropriate according to guidance received from DOE.</li> <li>• Write new CBS Reference Guide procedure.</li> <li>• Write new Reqs and Certs section.</li> <li>• Write new article for Subcontract Schedule.</li> <li>• Modify Terms and Conditions.</li> </ul>
I-107	Workplace Substance Abuse Act	<ul style="list-style-type: none"> <li>• Flow-down is expected to be infrequent as the clause only applies to the following possible categories of NREL Subcontractors performing work at sites owned or controlled by DOE: <ul style="list-style-type: none"> <li>(a) Protective force personnel in positions involving use of firearms where the duties also require potential contact with, or proximity to, the public at large.</li> <li>(b) Personnel directly engaged in production, use, storage, transportation, or disposal of hazardous materials sufficient to cause significant harm to the environment or public health and safety.</li> </ul> </li> </ul> <p>Subcontract implementation will be considered case by case; will write new CBS Reference Guide procedure</p> <ul style="list-style-type: none"> <li>• Requires design and development of an HR document describing the program in place.</li> </ul>

**PART III**

**SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS**

**ATTACHMENT 11**

**REPORTING REQUIREMENTS**

A. General Management

The following list identifies most reports, plans, and other deliverables required by the contract to be submitted on a recurring basis. While effort has been made to identify recurring requirements the list is not intended to be all inclusive. The Contractor shall be responsible for providing all reports, plans and other deliverables as required by the contract.

<b>S e c t i o n</b>	<b>Deliverable</b>	<b>Type</b>	<b>Due Date</b>
C.1.V. Institutional Direction and Performance Objectives	Strategic planning document	Plan	As mutually agreed
H.9 Fee and Performance	Cost Proposal	Cost Proposal	Prior to the start of the evaluation period but no later than August 15
H.11 (a) Work Authorization System	Develop annual plans and baselines (see the Statement of Work) to include detailed scope, estimated cost, and schedule for each program implementation activity.	Plan	Prior to the start of each fiscal year
H.11 (b) Work Authorization System	Utilizing the annual plans and baselines process, the Contractor and DOE shall mutually establish scope, schedule of performance, and total estimated cost (reference H.9 Fee and Performance).	Plan	Prior to the start of the evaluation period but no later than August 15
I.1 52.252-2 Clauses Incorporated by Reference (Feb 1998) 52.222-8 Payrolls and Basic Records	<ul style="list-style-type: none"> <li>The Contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the Contracting Officer, accompanied by a Statement of Compliance</li> <li>Submit copies of payrolls by all subcontractors, accompanied by a Statement of Compliance</li> </ul>	Key Deliverable	Weekly

Section	Deliverable	Type	Due Date
I.1 52.252-2 Clauses Incorporated by Reference (Feb 1998 52.222-11 Subcontracts (Labor Standards)	<ul style="list-style-type: none"> <li>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.</li> <li>Deliver to the Contracting Officer an updated completed SF 1413 for such additional subcontract.</li> </ul>	Report	<ul style="list-style-type: none"> <li>Within 14 days after award of the contract</li> <li>Within 14 days after the award of any subsequently awarded subcontract</li> </ul>
I.21 (c) 52.219-9 Small Business Subcontracting Plan (Oct 2000)	Subcontracting Plan	Plan	As requested by the Contracting Officer
I.21 (j) 52.219-9 Small Business Subcontracting Plan (Oct 2000)	<ul style="list-style-type: none"> <li>Submit Standard Form 194, Subcontracting Report for Individual Contracts</li> <li>Submit Standard Form 295, Summary Subcontract Report</li> </ul>	Report	<ul style="list-style-type: none"> <li>Semiannually and at contract completion</li> <li>Semiannually for contracts with the Department of Defense and annually for contracts with civilian agencies</li> </ul>
I.23 (b) 52.219-25 Small Disadvantaged Business Participation Program- Disadvantaged Status and Reporting (Oct 1999)	Submit report with the final Subcontracting Report for Individual Contracts (Standard Form 294) if this contract contains an individual Small, Small Disadvantaged and Women-Owned Small Business Subcontracting Plan.	Report	At the time of completion of the contract
I.34 (b) and (c) 52.223-3 Hazardous Material Identification and Material Safety Data (Jan 1997 (Alternate 1)(Jul 1995)	Material Safety Data Sheets	Report	Update during the performance of the contract
I.34 (d) and (e) 52.223-3	Material Safety Data Sheets [meeting the requirements of 29 CFR 1910.1200(g) and the	Report	Update during the performance of the contract

Section	Deliverable	Type	Due Date
Hazardous Material Identification and Material Safety Data (Jan 1997) (Alternate 1)(Jul 1995)	latest version of Federal Standard No. 313 for all hazardous material identified in I.34 (b)].		
I.35 (b) 52.223-5 Pollution Prevention and Right-to-Know Information (Apr 1998)	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.	Report	As required
I.38 (a) 52.223-14 Toxic Chemical Release Reporting (Oct 2000)	<ul style="list-style-type: none"> <li>• Toxic Chemical Release Inventory Form (Form R) [unless exempt, 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)].</li> <li>• File for each facility subject to the Form R filing and reporting requirements, Form R</li> </ul>	Report	<ul style="list-style-type: none"> <li>• Annually by July 1 for the prior calendar year</li> <li>• Annually for the life of the contract</li> </ul>
I.69 (a) and (b) 52.247-67 Submission of Commercial Transportation Bills to the General Services Administration for Audit (Jun 1997)	<p>Submit for audit commercial bills of lading (CBL) with freight shipment charges exceeding \$50. Bills under \$50 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.</p> <ul style="list-style-type: none"> <li>• Submit copies of paid freight bills/invoices, CBL's, passenger coupons, and supporting documents</li> <li>• Submit paid freight bills/invoices, CBL's, passenger coupons, and supporting documents for first-tier subcontractors under a cost-</li> </ul>	Key Deliverable	<ul style="list-style-type: none"> <li>• As soon as possible following the end of the month</li> <li>• As soon as possible following the end of the month</li> </ul>

Section	Deliverable	Type	Due Date
	reimbursement contract. <ul style="list-style-type: none"> <li>• Provide original transportation bills or other documents requested by GSA</li> <li>• Statement prepared in duplicate by the Contractor shall accompany each shipment of transportation documents.</li> </ul>		<ul style="list-style-type: none"> <li>• Promptly</li> <li>• Case by case</li> </ul>
I.77 952.204-2 Security (Sep 1997)	Except as otherwise provided in 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.	Key Deliverable	Upon completion or termination of this contract
I.79 (a) 952.204-71 Sensitive Foreign Nations Controls (Apr 1994)	The Contractor has the right to terminate its performance under this contract if it determines that it is unable to continue performance due to the Sensitive Foreign Nations Controls requirements.	Notification	Upon at least 60 days' prior written notice to the Contracting Officer
I.80 (a) 952.204-75 Public Affairs (Dec 2000)	Release unclassified information to the public and news media regarding DOE policies, programs, and activities relating to its effort under the contract.	Key Deliverable	Ongoing, in accordance with procedures defined by the Contracting Officer
I.82 (c) 952.209-72 Organizational Conflicts of Interest (Jun 1997)(Alternate I)(Jun 1997)	Make an immediate and full disclosure of changes, including additions, to the facts disclosed by the Contractor prior to award of this contract	Notification	Immediately, as required
I.85 952.223-75 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.	Key Deliverable	During the course of the contract; and upon completion or termination of the contract
I.88 (b)(1) 952.226-72 Energy Policy Act Subcontracting Goals and Reporting Requirements (Jun 1996)	Report 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.	Report	On an annual Federal Government fiscal year basis – Reports must be received by the Contracting Officer (or designee) not later than 45 days after the end of the reporting period.
I.88 (b)(2) 952.226-72	Report, if the contract includes reporting requirements under FAR 52.219-9, Small, Small	Report	Annually

S e c t i o n	Deliverable	Type	Due Date
Energy Policy Act Subcontracting Goals and Reporting Requirements (Jun 1996)	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 294, Subcontracting Report for Individual Contracts, and/or Standard Form 295, Summary Subcontract Report, as applicable, for the period that corresponds to the end of the Federal Government fiscal year.		
I.94 (b) 970.5203-1 Management Controls (Dec 2000)	Quality Assurance Program	Program	
I.100 (f) 970.5215-1 Total Available Fee: Base Fee Amount and Performance Fee Amount (Dec 2000)	Self Assessment	Assessment	Within 30 calendar days after the end of the award fee period
I.101 (b) and (c) 970.5215-2 Make-or-Buy Plan (Dec 2000)	Make-or-Buy Plan	Plan	<ul style="list-style-type: none"> <li>For new contract awards, submit plan for approval within 180 days after contract award</li> <li>If the existing contract is to be extended, submit plan for review and approval at least 90 days prior to the commencement of the negotiations for the extension.</li> </ul>
I.101 (e)(3) 970.5215-2 Make-or-Buy Plan (Dec 2000)	<ul style="list-style-type: none"> <li>Review approved make-or-buy plan to ensure that it reflects current conditions.</li> <li>Changes to the approved plan shall be submitted for evaluation and review.</li> <li>Modification of the plan to incorporate proposed changes or additions shall be effective upon the Contractor's receipt of the Contracting Officer's written approval.</li> </ul>	Plan	<ul style="list-style-type: none"> <li>At least annually</li> <li>In advance</li> </ul>
I.102 (a) 970.5215-3 Conditional Payment of Fee, Profit, or Incentives (Alternate 1)(Dec 2000)	Safety Management System	Program	In accordance with the provisions of the clause entitled, "Integration of Environment, Safety and Health into Work planning and Execution, or as otherwise agreed to with the contracting officer
I.105 (e)	<ul style="list-style-type: none"> <li>Documented Safety Management System</li> </ul>	Program	<ul style="list-style-type: none"> <li>Dates for submittal, discussions, and</li> </ul>

S e c t i o n	Deliverable	Type	Due Date
970.5223-1 Integration of Environment, Safety, and Health into Work Planning and Execution (Dec 2000)	<ul style="list-style-type: none"> <li>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.</li> </ul>		revisions to the System will be established by the Contracting Officer <ul style="list-style-type: none"> <li>Annually</li> </ul>
I.106 (b) and (c) 970.5223-2 Acquisition and Use of Environmentally Preferable Products and Services (Dec 2000)	Prepare and submit reports on matters related to the use of environmentally preferable products and services.	Report	From time to time in accordance with written direction from the Contracting Officer and submitted through the DOE recycling point of contact
I.108 970.5226-1 Diversity Plan (Dec 2000)	Diversity Plan	Plan	<ul style="list-style-type: none"> <li>Within 90 days after the effective date of this contract (or contract modification, if appropriate)</li> <li>Update annually or with its annual fee proposal</li> </ul>
I.110 (3) 970.5227-2 Rights in Data-Technology Transfer (Dec 2000)	<ul style="list-style-type: none"> <li>Furnish documentation in accordance with clause I.110 to the DOE Energy Science and Technology Software Center</li> <li>Furnish to DOE's Office of Scientific and Technical Information a copy of such data as well as an abstract of the data suitable for dissemination purposes.</li> </ul>	Key Deliverable	<ul style="list-style-type: none"> <li>For computer software at the time permission to assert copyright is given under clause I.110. The Patent Counsel, for good cause shown by the Contractor, 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.</li> <li>For data other than computer software to which the Contractor has received permission to assert copyright under clause I.110, within 60 days of obtaining permission</li> </ul>
I.111 (h)(2) 970.5227-3 Technology Transfer Mission (Dec 2000) (Alternate 1)(Dec 2000)	<ul style="list-style-type: none"> <li>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.</li> <li>Provide a separate accounting for how the funds were actually used.</li> </ul>	Plan	<ul style="list-style-type: none"> <li>Annually</li> <li>At the end of the year</li> </ul>

Section	Deliverable	Type	Due Date
I.111 (k) 970.5227-3 Technology Transfer Mission (Dec 2000) (Alternate 1)(Dec 2000)	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)).	Report	Annually in a format to be agreed upon between the Contractor and DOE of the Contractor's technology transfer activities while protecting any data not subject to disclosure under the Rights in Technical Data clause and clause I.111.
I.111 (l) 970.5227-3 Technology Transfer Mission (Dec 2000) (Alternate 1)(Dec 2000)	Submit 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 the United States industry.	Plan	On or before October 1 <sup>st</sup> of each year
I.121 (k) 970.5232-2 Payments and Advances (Alternate II) (Alternate III) (Dec 2000)	Statement of Costs Incurred and Claimed	Report	Annually as of September 30
I.122 (e) 970.5232-3 Accounts, Records, and Inspection (Dec 2000) (Alternate II) (Dec 2000)	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.	Report	Case by case
I.122 (i) 970.5232-3 Accounts, Records, and Inspection (Dec 2000) (Alternate II) (Dec 2000)	Submit or make available to the Contracting Officer results of internal audits of records, operations, expenses, and the transactions with respect to costs claimed to be allowable under this contract	Report	Annually, and at such other times as may be mutually agreed upon
I.126 970.5232-7 Financial Management System (Dec 2000)	Plan for new financial management systems and/or subsystems and major enhancements and/or upgrades to the currently existing financial systems and/or subsystems.	Plan	Annually
I.130 (a) 970.5237-2 Facilities Management (Dec 2000)	Long-Range Site Development	Plan	Annually

Section	Deliverable	Type	Due Date
I.130 (c) 970.5237-2 Facilities Management (Dec 2000)	<ul style="list-style-type: none"> <li>Develop a 10-year energy management plan for each site with annual reviews and revisions.</li> <li>Submit an annual report on progress toward achieving the goals of the 10-year plan for each individual site.</li> <li>Submit an annual energy conservation analysis report for each new building or building addition project.</li> </ul>	Plan and Report	<ul style="list-style-type: none"> <li>Annually</li> <li>Annually</li> </ul>
I.133 (a) 970.5244-1 Contractor Purchasing System (Dec 2000)	<ul style="list-style-type: none"> <li>Develop, implement, and maintain formal policies, practices, and procedures to be used in the award of subcontracts consistent with clause I.133 and 48 CFR 970.44.</li> <li>Document, acceptable to DOE, Contractor's purchasing system and methods.</li> </ul>	Key Deliverable	<ul style="list-style-type: none"> <li>Ongoing</li> <li>In accordance with 48 CFR 970.4401-1</li> </ul>
Appendix A Section 3.1	<ul style="list-style-type: none"> <li>Submit Laboratory Compensation Program for Contracting Officer approval.</li> <li>Submit design changes that affect costs for review and approval by the Contracting Officer.</li> </ul>	Key Deliverable	Annually
Appendix A Section 3.5.b.	Provide for Contracting Officer approval a copy of the annually developed salary increase guidelines prepared for supervisory use, indicating the parameters for granting various increases based on employee performance and current salary.	Key Deliverable	Annually
Appendix A Section 3.7.c.	Provide the Contracting Officer with wage and compensation reports	Report	As requested
Appendix A Section 5.1.	Provide copies of policies and insurance plan description booklets in which Group Insurance Plan features are set forth	Key Deliverable	Current
Appendix A Section 5.2.d.	Provide a summary of other benefit programs being offered	Key Deliverable	Annually
Appendix A Section 5.d.	Submit a semiannual report to the Contracting Officer on all Worker's Compensation claims reserved at \$25,000 and above and the reserves established on all new claims.	Report	Semiannually
Appendix A Section 6.h.	<ul style="list-style-type: none"> <li>Submit an Actuarial Report containing a gain/loss analysis by source and Internal Revenue Forms 5500 and Schedules</li> <li>Submit an Annual Accounting Report of the type detailed in DOE Order 350.1</li> <li>And/or submit any other information concerning the plan which may be required by the Contracting Officer</li> </ul>	Report	Annually
Appendix A	<ul style="list-style-type: none"> <li>Submit training programs and their</li> </ul>	Key	<ul style="list-style-type: none"> <li>Within the first year of the contract</li> </ul>

Section	Deliverable	Type	Due Date
Section 9. 1.	associated costs for Contracting Officer approval <ul style="list-style-type: none"> <li>Submit the projected costs of the programs and any proposed changes</li> </ul>	Deliverable	<ul style="list-style-type: none"> <li>Annually thereafter</li> </ul>
Appendix A Section 9.4.	Provide the Contracting Officer a summary of outreach plans (Research Participant Program) and the participant profiles for informational purposes	Key Deliverable	On a calendar year basis
Appendix A Section 10.4.	Submit an annual plan describing planned activities for the Wellness Program to the Contracting Officer for approval.	Plan	Annually
Appendix A Section 13	Submit an annual report to the Contracting Officer detailing how costs of participating in community activities were expended.	Report	Annually, on a fiscal year basis
Performance Evaluation and Measurement Plan	Submit a self-assessment	Key Deliverable	30 calendar days after each award fee period ends
Performance Evaluation and Measurement Plan	Work together to establish performance measures; propose to Contracting Officer	Key Deliverable	Due annually no later than August 15

C. Exception Reports (DOE IG, GAO etc.)

Hot Line Report to be submitted within twenty-four hours of event being reported.

D. Technical

The Contractor shall provide reproducible copies of patent cleared Topical Reports to the DOE Office of Scientific and Technical Information (OSTI), AD-21.

The Contractor shall submit Reports as required by the cognizant DOE HQ or NAO technical manager.

**EXPLANATION REPORT DUE DATES**

As Required:

Within 30 days of guidance or direction to replan for Milestone, Labor and Cost Plans.

Within 24 hours of event being reported by Hot Line Report.

Within 30 days of completion of applicable work for Topical Reports.

Contractual Change:

Within 30 days of notification of contract change.

Monthly:

Within 20 working days following the month being reported.

Quarterly:

Within 20 working days following the quarter being reported.