PART III

SECTION J – LIST OF DOCUMENTS, EXHIBITS AND OTHER ATTACHMENTS

ATTACHMENT 9

IDENTIFIED TREATIES AND INTERNATIONAL AGREEMENTS

| 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 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 | Protocal 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 | Protocal 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 |

| China | 2/23/95 | Energy Projects and Technologies Memorandum of Understanding Between the Department of energy of the United States | Other-Bilateral |
|-------------------|----------|--|--|
| | | of America and the State Planning Commission of the People's Republic of China on Bilateral Energy Consultations | 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 #I 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 Commissarat | Civilian Radioactive |

| Г | 10/0/05 | 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 Ghanaon 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 Vitrification 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 Duel C/S at Monju Reator 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 Japan | 1/24/83 1/25/83 | Exchange of Notes Establishing the Cooperation in Fusion Research and Development Exchange of Letters Establishing MITI-DOE Cooperation in Fusion Research and Development | Fusion Energy 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 |

| | | 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 Monbusho-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 (Monbusho) 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 Monbusho of Japan and the Department of Energy of the United States on Cooperation in Fusion Research and Development Monbusho – 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 – Monbusho 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 Dapublia of | | Science and Technology (MOST) of the Republic of Korea for Cooperation on the | Nonproliferation |
|--------------------------|----------|--|--|
| Republic of | 11/7/95 | Development and Implementation of a Safeguards System for DUPIC Action Sheet 2 Between the U.S. Department of Energy (DOE) and the Ministry of | Arms Control and |
| Korea Republic of | 11/7/95 | Science and Technology (MOST) of the Republic of Korea for Joint Collaboration on Development of Human Resource for Nuclear Safeguards Inspection | 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 I 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 |

| | 614.10.0 | 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 |

| Russian | 6/2/00 | Modeling Regarding Geologic Disposal Appendix C Implementing Arrangement #2 of the U.S. Department of Energy/Russian | Civilian Radioactive |
|-----------------------|---------|--|--|
| Federation | 0,2,00 | Academy of Sciences Memorandum of Understanding Interdisciplinary Fundamental Research to Further Develop the Methods of Describing and Modeling Contaminate Transport in Unsaturated Rocks | Waste Management |
| Russian | 5/31/00 | Appendix D Implementing Arrangement #2 of the U.S. Department of Energy/Russian | Environmental |
| Federation | 5/51/00 | Academy of Sciences Memorandum of Understanding Characterization of Contaminated Territories, Monitoring Network Optimization, and Cost Minimization | Restoration and Waste Management |
| Russian | 5/31/00 | Annex B of Appendix D Implementing Arrangement #2 under the DOE-RAS | Environmental |
| Federation | 5/51/00 | Memorandum of Understanding Uncertainty Assessment Through Incorporation of Mathematical Geology in Development of Inverse Flow and Transport Models | Restoration and Waste Management |
| Russian | 4/25/01 | Appendix K Under Implementing Arrangement #1 of the Memorandum of Understanding | Science and |
| Federation | 1/20/01 | Between the U.S. Department of Energy and Russian Academy of Sciences on Cooperation in Science and Technology | Technology |
| Russian | 10/1/00 | Appendix D Implementing Arrangement #1 of the U.S. Department of Energy/Russian | Uranium Mass |
| Federation | | Academy of Sciences Memorandum of Uranium Mass Transport Phenomena in Fractured Welded Tufts | Transport Phenomena in Fractured Welded Tufts |
| Russian Federation | 3/18/92 | U.SRussia Task Force on Cooperation in Electric Power Technologies Joint Statement of Intent | Information and/or Personnel Exchange |
| Russian | 7/24/98 | Agreement Between the Government of the United States of America and the Government | Arms Control and |
| Federation | | of the Russian Federation on Scientific and Technical Cooperation in the Management of Plutonium That Has Been Withdrawn from Nuclear Military Programs | 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 | 12/5/95 | Implementing Agreement Between the United States Department of Energy and the | Energy Research and |
| Africa | | Department of Mineral and Energy Affairs of South Africa on Collaboration on Energy, Policy, Science, Technology and Development | 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 Provicial 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 Chornobyl Center on Nuclear Safety, Radiatioactive 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 Chornobyl 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 Separtment 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 irelan 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 | Fossil Energy |
| | | 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 | |
| | | | |
| | | | |