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United States Nuclear Regulatory Commission
Protecting People and the Environment

RIC 2012 INTERNATIONAL SAFEGUARDS

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Challenges facing International safeguards

(Verifying nuclear material is used in peaceful uses)

- Expanding nuclear programs
 - Continued growth in countries with existing programs
 - More countries pursuing nuclear power options
 - Increased plant capacities
- Evolving technologies
 - Reactors
 - Enrichment
 - Reprocessing
- Limited IAEA resources
 - Personnel
 - Budgets



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The U.S. strongly supports international safeguards

- Political support
 - Bilateral and multilateral agreements
 - Bilateral and multilateral meetings
 - International Organizations
- Monetary support
 - Regular budget and Extra-budgetary
- Technical support
 - Next Generation Safeguards Initiative
 - U.S. Support Program to IAEA
 - Bilateral and Multilateral Outreach
- By example
 - U.S.-IAEA Safeguards Agreement
 - U.S.-IAEA Addition Protocol



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The application of IAEA safeguards in the U.S. demonstrates our strong support for the IAEA's mission and our willingness to accept the same safeguards that other countries are required to accept.

- The U.S.-IAEA Safeguards Agreement entered into force in December 1980.
- The U.S.-IAEA Additional Protocol (AP) entered into force on January 6, 2009.

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The U.S.-IAEA Safeguards Agreement

- Provides a list of facilities eligible for IAEA safeguards
 - The list currently consists of approximately 300 facilities
- Facility data (inventory changes) for selected facilities
- Report of Imports/Exports of nuclear materials
 - beginning at U₃O₈

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The U.S.-IAEA Additional Protocol

- U.S. accepted the model Additional Protocol with the exception of a national security exclusion.
- Initial declaration in 2009 / Annual updates in subsequent years
- Quarterly Export Reports
- Two Complementary Accesses conducted in 2010

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The U.S.-IAEA Additional Protocol Declarations

Additional Protocol Article/Subject	Total Declared Activities (Line Entries) by Year		
	2009	2010	2011
2.a (i) R&D (Government)	128	178	204
2.a (iii) Site Information	11	11	11
2.a (iv) Manufacture	19	15	20
2.a (v) Uranium Mines and Mills	33	21	22
2.a.(vi) Source Material	1	2	3
2.a (vii) Exempted Material	0	0	0
2.a (viii) SG Termination	0	0	0
2.a (x) General Plans for 10 Years	70	79	108
2.b (i) R&D (Private)	2	2	4
Total	264	307	372

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Summary:

- The U.S. provides support through a number of mechanisms, including political support, monetary support, technical support and voluntarily accepting IAEA safeguards at U.S. facilities.
- The Nuclear Regulatory Commission works with the U.S. civilian nuclear industry to implement International Safeguards at NRC and Agreement State licensed sites to ensure the U.S. meets its international obligations.

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