

NUCLEAR SAFETY

**Arrangement Between the
UNITED STATES OF AMERICA
and ITALY**

Signed at Rome and Washington
July 16 and 30, 2010

with

Addenda



NOTE BY THE DEPARTMENT OF STATE

Pursuant to Public Law 89—497, approved July 8, 1966
(80 Stat. 271; 1 U.S.C. 113)—

“. . .the Treaties and Other International Acts Series issued under the authority of the Secretary of State shall be competent evidence . . . of the treaties, international agreements other than treaties, and proclamations by the President of such treaties and international agreements other than treaties, as the case may be, therein contained, in all the courts of law and equity and of maritime jurisdiction, and in all the tribunals and public offices of the United States, and of the several States, without any further proof or authentication thereof.”

ITALY

Nuclear Safety

*Arrangement signed at Rome and Washington
July 16 and 30, 2010;
Entered into force July 30, 2010.
With addenda.*

ARRANGEMENT

BETWEEN

**THE UNITED STATES NUCLEAR REGULATORY
COMMISSION**

AND

**THE ITALIAN ISTITUTO SUPERIORE PER LA
PROTEZIONE E LA RICERCA AMBIENTALE**

**FOR THE EXCHANGE OF TECHNICAL INFORMATION
AND COOPERATION IN NUCLEAR SAFETY MATTERS**

July 30, 2010

**ARRANGEMENT
BETWEEN
THE UNITED STATES NUCLEAR REGULATORY COMMISSION
AND
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The United States Nuclear Regulatory Commission (hereinafter called the NRC) and the Italian Istituto Superiore Per La Protezione e la Ricerca Ambientale, (hereinafter called the (ISPRA), the two together hereinafter referred to as the Parties;

Having a mutual interest in a continuing exchange of information pertaining to regulatory matters and of standards required or recommended by their organizations for the regulation of safety and environmental impact of nuclear facilities;

Having previously cooperated under the terms of a five-year "Arrangement for the Exchange of Technical Information in Regulatory Matters and Cooperation in Development of Safety Standards" (hereinafter called the Arrangement), signed on May 29, 1975, between the NRC and the Comitato Nazionale per l'Energia Nucleare (C.N.E.N.), and subsequently with the Ente per le Nuove Tecnologie, l'Energia e l'Ambiente-Direzione Centrale Sicurezza Nucleare e Protezione Sanitaria (E.N.E.A.-D.I.S.P.), then the successor agency to the C.N.E.N., but continued since January 1994 with the Italian Agenzia Nazionale per la Protezione dell'Ambiente (ANPA), which was the governmental authority responsible for nuclear safety regulation in Italy, renamed since 1999 as the Italian Agenzia per la Protezione dell'Ambiente e i Servizi Tecnici (APAT);

Having continue such cooperation under subsequent Arrangements for five-year periods beginning April 1, 1981, September 28, 1988, November 16, 1993, September 28, 1999, and September 26, 2005,

Recognizing that APAT was reorganized and renamed the Italian Istituto Superiore per la Protezione e la Ricerca Ambientale (ISPRA);

Have agreed as follows:

I. SCOPE OF THE ARRANGEMENT

A. Technical Information Exchange

To the extent that the NRC and the ISPRA are permitted to do so under the laws, regulations, and policy directives of their respective countries, the Parties will exchange the following types of technical information relating to the regulation of safety and radiation protection, safeguards, spent fuel and waste management, decommissioning, emergency preparedness, and environmental impact of designated nuclear energy facilities and nuclear safety research programs:

1. Topical reports concerning safety and radiation protection, safeguards, spent fuel and waste management, decommissioning, and environmental effects written by or for one of the parties as a basis for, or in support of, regulatory decisions and policies.
2. Documents relating to significant licensing actions and safety and environmental decisions affecting nuclear facilities.
3. Detailed documents describing the NRC process for licensing and in particular for granting a combined license (COL), regulating, and decommissioning certain U.S. facilities designated by the ISPRA as similar to certain facilities being built or planned or decommissioned in Italy and equivalent documents on such Italian facilities.
4. Exchange of views on international cooperation in the field of nuclear safety and radiation protection.
5. Information in the field of nuclear safety research which the Parties have the right to disclose, either in the possession of one of the Parties or available to it. Cooperation in research areas will require a separate agreement. Each Party will transmit immediately to the other information concerning research results that requires early attention in the interest of public safety, along with an indication of significant implications.
6. Reports on operating experience, such as reports on nuclear incidents, accidents and shutdowns, and compilations of historical reliability data on components and systems.
7. Regulatory procedures for the safety and radiation protection, safeguards (materials accountancy and control and physical protection), spent fuel and waste management, decommissioning, and environmental impact evaluation of nuclear facilities.
8. Early advice of important events, such as serious operating incidents and government-directed reactor shutdowns that are of immediate interest to the Parties.

9. Copies of regulatory standards required to be used, or proposed for use, by the Parties.
10. Each Party will be prepared to the best of its ability, upon specific request, to advise the other on particular questions relating to reactor safety and radiation protection, safeguards, spent fuel and waste management, decommissioning, and environmental impact of designated nuclear facilities.

B. Cooperation in Safety Research

The terms of cooperation for joint programs and projects in nuclear safety research and development, or those programs and projects under which activities are divided between the two Parties, including the use of test facilities and/or computer programs owned by either Party, will be considered on a case-by-case basis and will be the subject of a separate agreement. Temporary assignments of personnel by one Party in the other Party's agency will also be considered on a case-by-case basis and will require a separate agreement.

II. ADMINISTRATION

- A. The exchange of information under this Arrangement will be accomplished through letters, reports, and other documents, and by visits and meetings arranged in advance on a case-by-case basis. A meeting will be held annually, or at such other times as mutually agreed, to review the exchange of information and cooperation under this Arrangement, to recommend revisions to the Arrangement, and to discuss topics coming within the scope of the cooperation. The time, place, and agenda for such meetings will be agreed upon in advance. Visits, which take place under the Arrangement, including their schedules, will have the prior approval of the two administrators referred to in Article II.B.
- B. An administrator will be designated by each Party to coordinate its participation in the overall exchange. The administrators will be the recipients of all documents transmitted under the exchange, including copies of all letters, unless otherwise agreed. Within the terms of the exchange, the administrators will be responsible for developing the scope of the exchange, including agreement on the designation of the nuclear energy facilities subject to the exchange, and on specific documents and standards to be exchanged. One or more technical coordinators may be appointed as direct contacts for specific disciplinary areas. These technical coordinators will assure that both administrators receive copies of all transmittals. These detailed arrangements are intended to assure, among other things, that a reasonably balanced exchange giving access to equivalent available information from both sides is achieved and maintained.

- C. The administrators will determine the number of copies to be provided of the documents exchanged. Each document will be accompanied by an abstract in English, 250 words or less, describing its scope and content.
- D. The application or use of any information exchanged or transferred between Parties under this Arrangement will be the responsibility of the receiving Party, and the transmitting Party does not warrant the suitability of such information for any particular use or application.
- E. Recognizing that some information of the type covered in this Arrangement is not available within the agencies which are Parties to this Arrangement, but is available from other agencies of the governments of the Parties, each Party will assist the other to the maximum extent possible by organizing visits and directing inquiries concerning such information to appropriate agencies of the government concerned. The foregoing will not constitute a commitment of other agencies to furnish such information or to receive such visitors.
- F. Nothing contained in this Arrangement will require either Party to take any action which would be inconsistent with its country's existing laws, regulations, and policy directives. Should any conflict arise between the terms of this Arrangement and those laws, regulations, and policy directives, the Parties will consult before any action is taken. No nuclear information related to proliferation-sensitive technologies will be exchanged under this Arrangement.
- G. Cooperation under this Arrangement will be in accordance with the laws and regulations of the Parties' respective countries. Any dispute or questions between the Parties concerning the interpretation or application of this Arrangement will be settled by mutual agreement of the Parties.
- H. Unless otherwise agreed, all costs resulting from cooperation pursuant to the Arrangement will be the responsibility of the Party that incurs them. The ability of the Parties to carry out their obligations is subject to the appropriation of funds by the appropriate governmental authority and to laws and regulations applicable to the Parties.

III. EXCHANGE AND USE OF INFORMATION

A. General

The Parties support the widest possible dissemination of information provided, created or exchanged under this Arrangement, subject to the requirements of each Party's national laws, regulations and policies and the need to protect proprietary and other sensitive or privileged information as may be exchanged hereunder, and subject to the provisions of the Intellectual Property Addendum, which is an integral part of this Arrangement.

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B. Definitions

1. The term "information" means unclassified nuclear energy-related regulatory, safety, safeguards, waste management, scientific or technical data, including information on results or methods of assessment, research, and any other knowledge provided, created or exchanged under this Arrangement.
2. The term "proprietary information" means information provided, created or exchanged under this Arrangement which contains trade secrets or other privileged or sensitive commercial information (such that the person having the information may derive a commercial benefit from it or may have a commercial advantage over those who do not have it), and may only include information which:
 - a. has been held in confidence by its owner;
 - b. is of a type which is customarily held in confidence by its owner;
 - c. has not been transmitted by the owner to other entities (including the receiving Party), except on the basis that it be held in confidence;
 - d. is not otherwise available to the receiving Party from another source without restriction on its further dissemination; and
 - e. is not already in the possession of the receiving Party.
3. The term "other confidential or privileged information" means non-classified information, other than "proprietary information," which has been transmitted and received in confidence under this Arrangement and is protected from public disclosure under the laws, regulations, or policies of the country of the Party providing the information, or is otherwise restricted by the provider.

C. Marking Procedures for Documentary Proprietary Information

A Party receiving documentary proprietary information pursuant to this Arrangement will respect the privileged nature of such information, provided that such proprietary information is clearly marked with the following (or substantially similar) restrictive legend:

"This document contains proprietary information furnished in confidence under an Arrangement dated July 19, 2010 between the United States Nuclear Regulatory Commission and the Italian Istituto Superiore per la Protezione e la Ricerca Ambientale and will not be disseminated outside these organizations, their consultants, contractors, and licensees, or concerned departments and agencies of the Government of the United States and the Government of Italy, without the prior written approval of (name of transmitting Party). This notice will be marked on each page of any reproduction hereof, in whole or in part. These limitations will automatically terminate when the proprietary information is disclosed by the owner without restriction."

This restrictive legend will be respected by the Parties to this Arrangement. Proprietary information bearing this restrictive legend will not be made public or otherwise disseminated in any manner unspecified or contrary to the terms of this Arrangement

without the prior written consent of the transmitting Party. Proprietary information bearing this restrictive legend will not be used by the receiving Party or its contractors and consultants for any commercial purposes without the prior written consent of the transmitting Party.

D. Dissemination of Documentary Proprietary Information

1. In general, proprietary information received under this Arrangement may be disseminated by the receiving Party without prior consent to persons within or employed by the receiving Party, and to concerned Government departments and Government agencies in the country of the receiving Party, provided:
 - a. such dissemination is made on a case-by-case basis to persons or departments and agencies having a legitimate need for the proprietary information; and
 - b. such proprietary information will bear the restrictive legend appearing in Section III.C. of this Arrangement.
2. Proprietary information received under this Arrangement may be disseminated by the receiving Party without the prior consent of the transmitting Party to contractors and consultants of the receiving Party located within the geographical limits of that Party's nation, provided:
 - a. that the proprietary information is used by such contractors and consultants only for work within the scope of their contracts with the receiving Party relating to the subject matter of the proprietary information, and will not be used by such contractors and consultants for any other private commercial purposes; and
 - b. that such dissemination is made on a case-by-case basis to contractors and consultants having a legitimate need for the proprietary information and who have executed a non-disclosure agreement; and
 - c. that such proprietary information will bear the restrictive legend appearing in Section III.C. of this Arrangement.
3. With the prior written consent of the Party furnishing proprietary information under this Arrangement, the receiving Party may disseminate such proprietary information more widely than otherwise permitted under the terms set forth in Articles III.D.1 and III.D.2 of this

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Arrangement. The Parties will endeavor to grant such approval to the extent permitted by their respective national laws, regulations and policies, provided:

- a. that the entities receiving proprietary information under Section III.D.3. of this Arrangement, including domestic organizations permitted or licensed by the receiving Party to construct or operate nuclear production or

utilization facilities, or to use nuclear materials and radiation sources, have a legitimate need for the proprietary information and have executed a non-disclosure agreement; and

- b. that the entities receiving proprietary information under Section III.D.3 of this Arrangement, including domestic organizations permitted or licensed by the receiving Party to construct or operate nuclear production or utilization facilities, will not use such proprietary information for any private commercial purposes; and
- c. that those entities receiving proprietary information under Section III.D.3. of this Arrangement that are domestic organizations permitted or licensed by the receiving Party, agree to use the proprietary information only for activities carried out under or within the terms of their specific permit or license.

E. Marking Procedures for Other Confidential or Privileged Information of a Documentary Nature

A Party receiving under this Arrangement other confidential or privileged information will respect its confidential nature, provided such information is clearly marked so as to indicate its confidential or privileged nature and is accompanied by a statement indicating:

1. that the information is protected from public disclosure by the government of the transmitting Party; and
2. that the information is transmitted under the condition that it be maintained in confidence.

F. Dissemination of Other Confidential or Privileged Information of a Documentary Nature

Other confidential or privileged information may be disseminated in the same manner as that set forth in Section III.D, "Dissemination of Documentary Proprietary Information."

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G. Non-Documentary Proprietary or Other Confidential or Privileged Information

Non-documentary proprietary or other confidential or privileged information provided in seminars and other meetings organized under this Arrangement, or information arising from the attachments of staff, use of facilities, or joint projects, will be treated by the Parties according to the principles specified for documentary information in this Arrangement; provided, however, that the party communicating such proprietary or other confidential or privileged information has placed the recipient on notice as to the character of the information communicated.

H. Consultation

If, for any reason, one of the parties becomes aware that it will be, or may reasonably be expected to become, unable to meet the non-dissemination provisions of this Arrangement, it will immediately inform the other party. The parties will thereafter consult to define an appropriate course of action.

I. Other

Nothing contained in this Arrangement will preclude a Party from using or disseminating information received without restriction by a Party from sources outside of this Arrangement.

IV. FINAL PROVISIONS

A. Nothing contained in this Arrangement will require either Party to take any action which would be inconsistent with its existing laws, regulations, and policy directives. No nuclear information related to proliferation-sensitive technologies will be exchanged under this Arrangement. Should any conflict arise between the terms of this Arrangement and those laws, regulations, and policy directives, the Parties agree to consult before any action is taken.

B. Unless otherwise agreed, all costs resulting from cooperation pursuant to this Arrangement will be the responsibility of the Party that incurs them. The ability of the Parties to carry out their obligations is subject to the appropriation of funds by the appropriate governmental authority and to laws and regulations applicable to the Parties.

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C. Any dispute or questions among the Parties concerning the interpretation or application of this Arrangement arising during its term will be settled by mutual agreement of the Parties.

D. This Arrangement will enter into force upon signature and, subject to paragraph E of this Section, will remain in force for a period of five years. It may be extended for a further period of time by written agreement of the Parties.

E. Either Party may terminate this Arrangement after providing the other Party written notice 180 days prior to its intended date of termination.

- F. All information protected by provisions of this Arrangement as proprietary or other confidential or privileged information will remain so protected for the duration of this Arrangement and indefinitely thereafter unless otherwise agreed by the Parties in writing.

Signed at Rome on the 16th day of July 2010 and at Washington on the 30th day of July 2010, in duplicate, in the English and Italian languages. In the event of discrepancies, the English text will supersede.

FOR THE UNITED STATES
NUCLEAR REGULATORY
COMMISSION:



Gregory Jaczko, Chairman

FOR THE ITALIAN ISTITUTO SUPERIORE
PER LA PROTEZIONE E LA RICERCA
AMBIENTALE:



Vincenzo Girmaldi, Commissioner

Addendum "A"

NRC –ISPRA Safety Research Exchange
Areas In Which the NRC Is Performing or Sponsoring Safety Research

1. Digital Instrumentation and Control;
2. Reactor and Electrical Equipment Qualification;
3. Environmental Transport;
4. Radionuclide Transport and Waste Management;
5. Dry Cask Storage and Transport;
6. Fire Safety Research;
7. Nuclear Fuel Analysis;
8. Severe Accident Analysis;
9. Operating Experience and Generic Issues;
10. Human Factors Engineering;
11. Organizational Factors/Safety Culture;
12. Human Reliability Analysis (HRA);
13. Probabilistic Risk Assessments;
14. Radiation Protection and Health Effects;
15. Seismic Safety;
16. State of the Art Risk Consequences;
17. Reactor Containment Structural Safety;
18. Reactor Vessel and Piping Integrity;
19. Regulatory Guide Update;
20. New and Advanced Reactor Designs;
21. Decommissioning;
22. Thermal Hydraulic Code Applications and Maintenance;
23. Uncertainty Analysis for Thermal Hydraulic Kinetics;
24. Coupled 3D Neutronic and Plant Thermal Hydraulics;
25. Medical Isotope Production;
26. Long-term Operational Management
27. Plant and Systems Operations

Addendum "B"

NRC – ISPRA Nuclear Safety Research Exchange
Areas in Which the ISPRA is Performing or Sponsoring Safety Research

To be completely defined at the time of renewing the Implementing Agreement. In the framework of the Implementing Agreement in force, ISPRA is currently performing safety research activities in the areas of Thermal-Hydraulic applications (CAMP) and Severe Accidents (CSARP).

INTELLECTUAL PROPERTY ADDENDUM

Pursuant to Section III. of this Arrangement:

I. General Obligation

The Parties will ensure adequate and effective protection of intellectual property created or furnished under this Arrangement and relevant implementing arrangements. Rights to such intellectual property will be allocated as provided in this Addendum.

II. Scope

A. This Addendum is applicable to all cooperative activities undertaken pursuant to this Arrangement, except as otherwise specifically agreed by the Parties or their designees.

B. For purposes of this Arrangement, "intellectual property" will mean the subject matter listed in Article 2 of the Convention Establishing the World Intellectual Property Organization, done at Stockholm, July 14, 1967 and may include other subject matter as agreed by the Parties.

C. Each Party will ensure, through contracts or other legal means with its own participants, if necessary, that the other Party can obtain the rights to intellectual property allocated in accordance with this Addendum. This Addendum does not otherwise alter or prejudice the allocation between a Party and its nationals, which will be determined by that Party's laws and practices.

D. Except as otherwise provided in this Arrangement, disputes concerning intellectual property arising under this Arrangement will be resolved through discussions between the concerned participating institutions, or, if necessary, the Parties or their designees. Upon mutual agreement of the Parties, a dispute will be submitted to an arbitral tribunal for binding arbitration in accordance with the applicable rules of international law. Unless the Parties or their designees agree otherwise in writing, the arbitration rules of the United Nations Commission on International Trade Law (UNCITRAL) will govern.

E. Termination or expiration of this Arrangement will not affect rights or obligations under this Addendum.

III. Allocation of Rights

A. Each Party will be entitled to a non-exclusive, irrevocable, royalty-free license in all countries to translate, reproduce, and publicly distribute scientific and technical journal articles, reports, and books directly arising from cooperation under this Arrangement. All publicly distributed copies of a copyrighted work prepared under this provision will indicate the names of the authors of the work unless an author explicitly declines to be named.

B. Rights to all forms of intellectual property, other than those rights described in Section III. A above, will be allocated as follows:

- (1) Visiting researchers will receive rights, awards, bonuses and royalties in accordance with the policies of the host institution.
- (2)
 - (a) Any intellectual property created by persons employed or sponsored by one Party under cooperative activities other than those covered by Section III.B(1) will be owned by that Party. Intellectual property created by persons employed or sponsored by both Parties will be jointly owned by the Parties. In addition, each creator will be entitled to awards, bonuses and royalties in accordance with the policies of the institution employing or sponsoring that person.
 - (b) Unless otherwise agreed in an implementing or other arrangement, each Party will have within its territory a right to exploit or license intellectual property created in the course of the cooperative activities.
 - (c) The rights of a Party outside its territory will be determined by mutual agreement considering the relative contributions of the Parties and their participants to the cooperative activities, the degree of commitment in obtaining legal protection and licensing of the intellectual property and such other factors deemed appropriate.
 - (d) Notwithstanding Section III.B(2)(a) and (b) above, if either Party believes that a particular project is likely to lead to or has led to the creation of intellectual property not protected by the laws of the other Party, the Parties will immediately hold discussions to determine the allocation of rights to the intellectual property. If an agreement cannot be reached within three months of the date of the initiation of the discussions, cooperation on the project in question will be terminated at the request of either Party. Creators of intellectual property will nonetheless be entitled to awards, bonuses and royalties as provided in Section III.B(2)(a).
 - (e) For each invention made under any cooperative activity, the Party employing or sponsoring the inventor(s) will disclose the invention promptly to the other Party together with any documentation and information necessary to enable the other Party to establish any rights to which it may be entitled. Either Party may ask the other Party in writing to delay publication or public disclosure of such documentation or information for the purpose of protecting its rights in the invention. Unless otherwise agreed in writing, the delay will not exceed a period of six months from the date of disclosure by the inventing Party to the other Party.

IV. Business Confidential Information

In the event that information identified in a timely fashion as business-confidential is furnished or created under this Arrangement, each Party and its participants will protect such information in accordance with applicable laws, regulations, and administrative practices. Information may be identified as "business-confidential" if a person having the information may derive an economic benefit from it or may obtain a competitive advantage over those who do not have it, and the information is not generally known or publicly available from other sources, and the owner has not previously made the information available without imposing in a timely manner an obligation to keep it confidential.