

MEMORANDUM OF UNDERSTANDING
BETWEEN
THE DEPARTMENT OF ENERGY
OF THE UNITED STATES OF AMERICA
AND
THE MINISTRY OF INDUSTRY AND TRADE
OF THE CZECH REPUBLIC
IN THE FIELD OF NUCLEAR ENERGY

The Department of Energy (DOE) of the United States of America and the Ministry of Industry and Trade (MOIT) of the Czech Republic, hereinafter referred to as the "Participants,"

NOTING their desire to enhance communication and cooperation on nuclear energy-related matters of common interest and to foster collaboration among relevant bodies and institutions of the Participants' countries and to facilitate and promote cooperation in a broad range of nuclear energy and technologies;

NOTING the Agreement for Cooperation in the Peaceful Uses of Nuclear Energy between the European Atomic Energy Community and the United States of America, signed at Brussels November 7, 1995, and March 29, 1996, entered into force April 12, 1996, and

NOTING ALSO the Joint Declaration between the Department of Commerce and the Department of Energy of the United States of America and the Ministry of Industry and Trade of the Czech Republic Concerning Industrial and Commercial Cooperation in the Nuclear Energy Sector of December 6, 2010, which emphasized the importance of nuclear science and technologies information exchange and cooperation,

Have reached the following understanding:

Section 1 Objective

1. The objective of this Memorandum of Understanding (Memorandum) is to promote and facilitate cooperation, and exchange information in the field of nuclear energy and nuclear technologies.
2. The Participants' cooperation under this Memorandum is intended for peaceful purposes only.

Section 2 Forms of Cooperation

1. Collaboration under this Memorandum may include, but is not limited to:
 - (a) Facilitation of research on molten salt reactor technology and fluoride-cooled high temperature reactors:
 - (i) DOE, through its Office of Nuclear Energy, intends to transfer to MOIT approximately 75 kilograms of salt coolant, currently stored at DOE's Oak Ridge National Laboratory. MOIT intends to accept this transfer and to use the salt coolant to facilitate research at the critical test facility in the Czech Republic and DOE research programs in the United States on fluoride-cooled high temperature reactors.
 - (ii) MOIT intends to develop jointly with DOE an experiment plan to maximize the benefits of the research to be performed in the Czech Republic, and to share with DOE all experimental results resulting from the research performed with the transferred salt coolant.
 - (iii) MOIT plans to be responsible for the disposal of the salt coolant and all waste materials resulting from its experiments after the transfer of the salt coolant to the MOIT, in accordance with Czech legislation, in particular Act 18/1997 Coll. (Atomic act).
 - (b) Collaboration on nuclear reactor safety analysis and assessments, including implementation of follow-on proposals from the Central Europe Nuclear Safety Workshop held in Prague in October 2010.
 - (c) Information sharing in the area of waste treatment technologies as discussed during the Nuclear R&D Workshop in Prague in January 2011.
 - (d) Information sharing in the areas of existing and next-generation nuclear power reactors, Generation III+ and Generation IV reactor deployment issues.

- (e) Other areas of collaboration of mutual interest and benefit as the Participants may jointly decide.

Section 3 General Considerations

1. Each Participant should implement this Memorandum in accordance with the laws, regulations and other requirements of its respective country and international agreements to which its government is party.
2. Any questions relating to this Memorandum arising during its term are to be resolved by consultations between the Participants.
3. Each Participant is to be responsible for the costs of its participation in all cooperative activities carried out in the framework of this Memorandum, unless they determine otherwise in writing. Each Participant's participation in the cooperative activities is to be subject to the availability of funds, resources, and personnel. All conditions for cooperation are to be defined by contracts between the Participants or their designated implementing agents.
4. No activities involving the exchange of sensitive nuclear technology are to be conducted under this Memorandum. As used herein, "sensitive nuclear technology" means any information (including information that is incorporated in equipment or an important component thereof) that is not available to the public and which is important to the design, construction, fabrication, operation, or maintenance of any facility designed or used primarily for uranium enrichment, reprocessing of irradiated nuclear material, heavy water production, or fabrication of nuclear fuel containing plutonium; or any other such information that may be so designated by a Participant.

Section 4 Commencement, Modification, and Discontinuation

1. Cooperative activities under this Memorandum may commence on the date of signature.
2. This Memorandum may be modified by mutual determination of the Participants in writing.
3. The Participants may discontinue this Memorandum at any time by mutual consent in writing. Alternatively, a Participant that wishes to discontinue its

participation in the activities under this Memorandum should endeavor to provide at least six (6) months written notice to the other Participant.

Signed in Prague, in duplicate, on the 12th day of December 2012, in the English and Czech languages.



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OF THE UNITED STATES OF AMERICA



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