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International Atomic Energy Agency

Agence Internationale de l'énergie atomique

Международное агентство по атомной энергии

Organismo Internacional de Energía Atómica

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2015-05-08

**Subject:** Invitation to a Regional Workshop on the Regulatory Review of the Safety Case and Safety Assessment for the Safe Management of Radioactive Waste, Vienna, Austria, 28 September-2 October 2015

Dear National Liaison Officer,

I am pleased to invite you to send nominations of suitable candidates to participate in the above-mentioned workshop under the framework of TC Project RER/9/107 – Strengthening Radioactive Waste Management Capabilities. The purpose of the workshop and related information are outlined in the attached Prospectus.

For candidates who are selected by the IAEA, the IAEA will cover the cost of return international travel from the home country to Vienna, Austria and provide Daily Subsistence Allowance (DSA) for the duration of the workshop in line with IAEA rules and procedures.

Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Meeting/Workshop available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/In-workshops-WS/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Mr Andrejs Salmins (IAEA Official Fax: +43-1-26007 or E-Mail [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org)), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than 30 June 2015.

Yours sincerely,

Manase Peter Salema

Director

Division for Europe

Department of Technical Cooperation

Enclosure: Prospectus

# International Atomic Energy Agency

## Workshop on the Regulatory Review of the Safety Case and Safety Assessment for the Safe Management of Radioactive Waste

### PROSPECTUS

**Project Number & Title:** RER9107 “Strengthening Radioactive Waste Management Capabilities”

**Place (City, Country):** Vienna, Austria

**Dates:** 28 September – 2 October 2015

**Deadline for Nominations:** 30 June 2015

**Organizers:** The International Atomic Energy Agency (IAEA)

**Host Country Organizer:** SALMINS, Andrejs  
International Atomic Energy Agency  
P.O. Box 100, Vienna International Centre, Wagramer Straße 5  
1400 Vienna, Austria

Tel: 0043 69919120925  
Fax: 43 1 26007  
E-mail: a.salmings@iaea.org

**Language:** English

In the case of countries in which English is not an official or customary language, nominations must be accompanied by a separate certificate of the candidate's proficiency in English. This certificate must be issued by a language school or cultural institution, or an embassy of a country in which the language of the workshop is spoken.

**Purpose:** The purpose of the workshop is to discuss approaches for organizing and conducting the review of the safety case and safety assessment, establishing conditions of authorisation, developing compliance assurance programmes, and performing inspections to demonstrate the safety of radioactive waste management facilities and activities.

**Expected Output(s):** The expected outputs are from presentations aiming to share the experiences and best practices achieved on conducting the review of the safety case and safety assessment. These will be focused on:

- Basic framework within which licensing takes place, responsibilities of the parties involved, and necessary components and documents of the licensing process;
- Definition and overview of required safety documentation (e.g., safety case and safety assessment, operational documentation, and justification of resources);
- Role, documentation and elements of the safety case and safety assessment, and their evolution over the lifecycle of the facility;
- Licensing procedure, including regulatory decision-making process, and bases for evaluation (technical and safety requirements and criteria),
- Conduct of the evaluation (technical, safety and managerial aspects) and establishment of conditions of authorisation;
- Licensing decisions and further regulatory actions (e.g., inspection, periodic reviews of safety documents, and termination of authorization).

**Scope and Nature:**

This 5-day workshop will involve presentations and exchange of experiences in the use and application of IAEA standards and best practices on licensing and authorization of waste management facilities and activities, with emphasis on the evaluation of the role, documentation and uses of the safety case and safety assessment, including the establishment of conditions of authorisation and development of compliance assurance programmes. These will be followed by discussions and presentations by participants about specific experiences related to the review of the safety case and safety assessment for the safe predisposal management of radioactive waste, establishment of conditions of authorisation, and development of compliance assurance programmes. Participants will discuss their experience and problems encountered.

**Background Information:**

Every country that uses nuclear technology involving radioactive materials, including mining and milling of radioactive ores generates some quantities of radioactive waste. Such waste needs to be managed through processing to be either stored or disposed, both of which need to be dealt with safely in all Member States and the safety needs to be demonstrated as part of the licensing process. There is continuous need to develop and maintain technological capabilities and human resources to ensure compliance with international safety standards for existing or new predisposal waste management facilities related to waste processing or storage. Few countries with only small amounts of radioactive waste have solutions for final disposal.

The IAEA safety standards give considerable emphasis to the development and documentation of safety cases for predisposal of radioactive waste. The safety case, being the collection of arguments and evidence in support of the safety of a facility or activity, is fundamental to the demonstration of safety and to the licensing process. In the licensing process, regulatory authorities must evaluate the safety case and supporting safety assessment to ensure that safety will be ensured. Such evaluation enables the regulatory authority to establish

conditions of authorisations and design programmes to provide assurance of compliance.

The main activities of the project are group events to share experiences and on-job training for key staff to learn best practices. The project is aimed at enhancing cooperation among these MSs and sharing of knowledge and available solutions in order to provide for more effective and safe implementation of radioactive waste management activities. The project work-plan address needs of MSs that have NPPs, MSs that are embarking on building NPPs, MSs that are dealing with only institutional waste streams (e.g. research reactors and nuclear applications in medicine, industry, agriculture) and MSs that are dealing only with disused sealed radioactive sources.

**Participation:** The workshop is open to Member States who are participating in the Regional Project RER9107.

The target countries are: Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Georgia, Greece, Hungary, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Montenegro, Poland, Portugal, Republic of Moldova, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Tajikistan, The Former Yugoslav Republic of Macedonia, Turkey, Ukraine, and Uzbekistan.

**Participants' Qualifications:** The participants should be specialists working for regulatory bodies and technical support organizations who are involved in the organization and implementation of the review of the safety case and safety assessment for the safe management of radioactive waste, establishing conditions of authorisation, and compliance assurance programmes, including inspections.

The participants should prepare presentations outlining their experience and issues related to licensing and authorization, including review of the safety case and safety assessment, establishing conditions of authorisation, and compliance assurance programmes, including inspections.

**Nomination Procedure:** Please submit nominations to the IAEA online through the Technical Cooperation Department's InTouch system (<http://intouch.iaea.org>). Only if this is not possible, nominations may be submitted on the Nomination Form for Meeting/Workshop available on the IAEA website: <http://www.iaea.org/technicalcooperation/How-to-take-part/In-meetings-WS/index.html>. Completed forms should be endorsed by relevant national authorities and sent to the Programme Management Officer for this project, Mr Andrejs Salmins (IAEA Official Fax: +43-1-26007 or E-Mail [Official.Mail@iaea.org](mailto:Official.Mail@iaea.org)), through the official channels, i.e. the designated National Liaison Office for IAEA matters, not later than **30 June 2015**.

**Administrative and Financial Arrangements:** Nominating Governments will be informed in due course of the names of the candidates who have been selected and will, at that time, be given full details of the procedures to be followed with regard to administrative and financial matters.

Selected participants from countries eligible to receive technical assistance will be provided with a round trip economy class air ticket from their home countries to Vienna, Austria, and a Daily Subsistence Allowance (DSA) at the prevailing UN Rate. Shipment of accumulated workshop materials to the participants' home countries is not the responsibility of the IAEA.

The organizers of the workshop do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property, or from illness, injury, disability or death of a participant while he/she is travelling to and from or attending the workshop, and it is clearly understood that each Government, in nominating participants, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.