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国际原子能机构

International Atomic Energy Agency

Agence internationale de l'énergie atomique

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National Liaison Officers /
National Coordinators

In reply please refer to: **ME-RER9154-1907939**

Dial directly to extension: (+43 1) 2600-26647

2020-04-30

Subject: Regional Workshop on Approaches to Ageing Management of Storage Facilities, Chernobyl, Ukraine, from 20 to 24 July 2020

Dear National Liaison Officer / National Coordinator,

I am pleased to inform you that the International Atomic Energy Agency (IAEA) is organizing the above event under the IAEA technical cooperation project RER9154, "Enhancing the Implementation of Integrated Programmes for the Safe Management of Radioactive Waste".

The purpose of the event is to train participants on identifying structures, systems, equipment and components (SSECs) in storage facilities subjected to ageing process, and on the establishment of an ageing management plan (AMP) to extend the lifetime of these components.

The attached Information Sheet provides further details, including technical and administrative aspects of the event. Selection of participants will be in accordance with IAEA procedures. Member States are strongly encouraged to identify suitable women participants.

The IAEA will provide non-local participants with a round-trip air ticket based on the most direct and economical route between the airport nearest the participant's residence and Chernobyl. Travel details will be agreed with the participants upon receipt of their official nomination. Participants will also receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses for the duration of the event in line with IAEA rules and procedures.

Occupational Exposure to Radiation: This activity may involve occupational exposure to radiation. Therefore, persons nominated are required to duly complete and return the attached Occupational Exposure History (OEH) form. The IAEA will provide participants in due course with a dosimeter to monitor their occupational exposure during this event.

We would appreciate receiving your country's nominations by **15 May 2020** through the IAEA's InTouch+ platform (<https://Intouchplus.iaea.org>). Should this not be possible, applicants may download the Nomination Form for the event from the [IAEA's webpage](#). Completed forms must be endorsed by the relevant government authority and may be sent to the IAEA, preferably by email to Official Mail - IAEA Mail address Official.Mail@iaea.org, with copy to Ms Katherina Deufrains K.L.Deufrains@iaea.org. Please be advised that late nominations or replacements of participants after the closing date for nominations will not be accepted.

We look forward to receiving your early response.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'Katherina Deufrains', written in a cursive style.

Katherina Deufrains
Programme Management Officer
Division for Europe
Department of Technical Cooperation

Enclosures: Information Sheet
OEH Form



Regional Workshop on Approaches to Ageing Management of Storage Facilities

Hosted by

The Government of Ukraine

through the

SSE Chornobyl Nuclear Power Plant

Chornobyl, Ukraine

20 to 24 July 2020

Ref. No.: ME-RER9154-1907939

Information Sheet

Purpose

The purpose of the event is to train participants on identifying structures, systems, equipment and components (SSECs) in storage facilities subjected to ageing process, and on the establishment of an ageing management plan (AMP) to extend the lifetime of these components.

Working Language(s)

The working language(s) of the event will be **English**.

Deadline for Nominations

Nominations received after **15 May 2020** will not be considered.

Introduction

The storage of radioactive wastes is an integral part of all stages of waste management from raw waste to fully conditioned waste packages awaiting final disposal.

The purpose of a storage facility or structure is to safely and securely contain the packaged radioactive waste in an organized and retrievable fashion for a defined time that is supposed to be less than the facility design life, while ensuring that the radiation protection of workers, the public and the environment are properly addressed according to applicable regulations and the ALARA principle.

Any storage system will have three primary components, all of which need to be properly addressed to ensure the adequacy of the system:

- (a) the waste package (including wasteform and container);
- (b) the storage facility (including the storage structure and ancillary equipment, such as package handling, monitoring, ventilation, cooling, security, etc.);
- (c) the regulatory framework and governance structure.

For long-term stability of waste packages, a storage facility or structure is required to safely and securely contain the packaged radioactive waste in an organized and retrievable fashion for a defined time that is supposed to be less than the facility design life, while ensuring that the radiation protection of workers, the public and the environment are properly addressed according to applicable regulations and the ALARA principle. Longer-term storage entails taking additional measures to ensure continuing satisfactory control and protection of the waste packages and the storage facility itself. This longer-term storage should be included in the design of both the waste packages and the storage facility. Furthermore, this will involve a systematic ageing program of monitoring, inspection and maintenance of the facility, as well as the waste packages. The longer the intended life of the facility, the more important such factors become.

There is a continuous need to improve technology to enhance and strengthen the technical capacity, efficiency and safety for existing or new storage facilities to minimise ageing effects.

Expected Outputs

As a result of the workshop participants will be able to do:

- (a) Identify the key concepts and activities involved during the development and planning of longer-term storage facilities for different waste streams;
- (b) Take cognisance of ageing management for waste packages and storage facilities generally, consists of a program of periodic monitoring and inspection; and
- (c) Demonstrate through participation in group exercises and activities that information presented can be used for the safe, efficient and cost-effective establishment of an ageing management program for different storage facilities and waste packages.

Scope and Nature

The five-day workshop will include lectures, structured discussions and underpinned by field trips designed to reinforce the main learning points that highlight different requirements and illustrate best international practices and approaches regarding ageing management of storage facilities (including waste packages).

The workshop will include participants presentations outlining experience and needs in their own Member State relating to concepts and design of existing/planned storage facilities and waste to be stored in these facilities.

The following topics will be the main contents of the workshop:

- (a) Role of storage in radioactive waste management and its optimization, types of Storage Facilities,
- (b) Overview of the key components and concepts needed for designing longer-term Storage Facilities;
- (c) Waste package performance testing as a first indication of relative waste package durability during storage;
- (d) The considerations to be factored into the possible modification of existing facilities to establish suitable longer-term storage facilities; and
- (e) Establishing an ageing management plan.

Participation

The workshop is open to Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Cyprus, Czech Republic, Estonia, Georgia, Greece, Hungary, Kazakhstan, Kyrgyzstan, Latvia, Lithuania, Montenegro, Malta, Poland, Portugal, Republic of Moldova, Romania, Russian Federation, Serbia, Slovakia, Slovenia, Tajikistan, Turkmenistan, North Macedonia, Turkey, Ukraine and Uzbekistan.

Participants' Qualifications and Experience

Application of participants involved in establishing storage facilities as part of radioactive waste management activities at either a facility or at national level, will be considered.

Please note that participants will be expected (by presentation) to outlining their experience regarding radioactive waste storage as part of a radioactive waste management plan, highlighting challenges and issues. The presentations will be reviewed as part of the selection process for attendance. The presentation should contain the following information (Introduction, Type of storage facilities available or planned, Status and challenges of current or planned storage facilities and information hoped to receive from workshop). Presentations (limited to 4-8 slides) should be sent electronically to the Technical Officer, Mr Willie Meyer (W.Meyer@iaea.org) in order to align selected contents of workshop with needs of participants.

Occupational Exposure to Radiation

This event may involve occupational exposure to radiation. Therefore, candidates are required to duly complete and return the Occupational Exposure History (OEH) form upon applying for the event. The IAEA will provide selected participants in due course with a dosimeter to monitor their occupational exposure during this event.

Application Procedure

Candidates wishing to apply for this event should follow the steps below:

1. Access the InTouch+ home page (<https://intouchplus.iaea.org>) using the candidate's existing Nucleus username and password. If the candidate is not a registered Nucleus user, she/he must create a Nucleus account (<https://websso.iaea.org/IM/UserRegistrationPage.aspx>) before proceeding with the event application process below.
2. On the InTouch + platform, the candidate must:
 - a. Finalize or update her/his personal details, provide sufficient information to establish the required qualifications regarding education, language skills and work experience ('Profile' tab) and upload relevant supporting documents;
 - b. Search for the relevant technical cooperation event (EVT1907939) under the 'My Eligible Events' tab, answer the mandatory questions and lastly submit the application to the required authority.

NOTE: Completed applications need to be approved by the relevant national authority, i.e. the National Liaison Office, and submitted to the IAEA through the established official channels by the provided designation deadline.

For additional support on how to apply for an event, please refer to the [InTouch+ Help page](#). Any issues or queries related to InTouch+ can be addressed to InTouchPlus.Contact-Point@iaea.org.

Should online application submission not be possible, candidates may download the nomination form for the meeting from the [IAEA website](#).

NOTE: A medical certificate signed by a registered medical practitioner dated not more than four months prior to starting date of the event must be submitted by candidates when applying for a) events with a duration exceeding one month, and/or b) all candidates over the age of 65 regardless of the event duration.

Administrative and Financial Arrangements

Nominating authorities will be informed in due course of the names of the candidates who have been selected, and will at that time be informed of the procedure to be followed with regard to administrative and financial matters.

Selected participants will receive an allowance from the IAEA sufficient to cover their costs of lodging, daily subsistence and miscellaneous expenses. They will also receive either a round-trip air ticket based on the most direct and economical route between the airport nearest their residence and the airport nearest the duty station through the IAEA's travel agency American Express, or a travel grant, or they will be reimbursed travel by car/bus/train in accordance with IAEA rules for non-staff travel.

Disclaimer of Liability

The organizers of the event 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 event, and it is clearly understood that each Government, in approving his/her participation, undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.

Note for female participants

Any woman engaged by the IAEA for work or training should notify the IAEA on becoming aware that she is pregnant.

The Board of Governors of the IAEA approved new International Basic Safety Standards for Protection against Ionizing Radiation and for the Safety of Radiation Sources. The Standards deal specifically with the occupational exposure conditions of female workers by requiring, inter alia, that a female worker should, on becoming aware that she is pregnant, notify her employer in order that her working conditions may be modified, if necessary. This notification shall not be considered a reason to exclude her from work; however, her working conditions, with respect to occupational exposure shall be adapted with a view to ensuring that her embryo or foetus be afforded the same broad level of protection as required for members of the public.

IAEA Contacts

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