



Interregional Meeting: Towards Implementing Borehole Disposal of Disused Sealed Radioactive Sources (DSRS)

Hosted by

The Government of Malaysia

through the

Malaysian Nuclear Agency

Kuala Lumpur, Malaysia

4 to 15 September 2023

Ref. No.: ME-INT9186-2300854

Information Sheet

Purpose

The purpose of the event is to transfer knowledge reflecting current understanding and recent experience of, implementing borehole disposal of Disused Sealed Radioactive Sources (DSRS). The event will address nuclear safety, nuclear security, and the practical implementation of a borehole disposal facility.

Working Language(s)

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

Deadline for Nominations

Nominations received after 23 June 2023 will not be considered.

Scope and Nature

The event will include comprehensive presentations and discussions on:

- Nuclear security
- Nuclear security recommendations on radioactive material and associated facilities (e.g. Nuclear Security Series No. 14) and guidance on the security of radioactive sources (e.g. Nuclear Security Series No. 11-G Rev. 1)
- Nuclear security and how the implementation of an endpoint to DSRS management will reduce/remove (?) security risks commonly associated with a DSRS inventory
- Ensuring security of DSRS inventory during DSRS conditioning and disposal operations
- Nuclear safety
- Safety requirements for predisposal management of radioactive waste (GSR Part 5) and disposal (SSR-5) and safety guidance on borehole disposal (SSG-1 / DS512).
- Development and use of the safety case and the supporting safety assessments for characterizing and designing the disposal system, for supporting authorisation decisions, and for managing the disposal programme.
- Regulatory oversight of borehole disposal facilities (e.g. Tecdoc 1827)
- The Management System for borehole disposal (e.g. GSR Part 2 and GSG-16)
- Implementing the borehole project
- Preparing for a DSRS borehole disposal project (e.g. overall project management)
- Designing the borehole disposal system
- Selecting and characterising the disposal site
- The technical and scientific basis for the DSRS borehole disposal system (e.g. including information on the properties and behaviour of the materials to be used – steels, cements etc. and their long term evolution)

Participation

The meeting complements an earlier meeting, held in May 2023, and is designed for Member States that understand the concept of borehole disposal and that are currently considering a decision or have already taken the decision to implement a borehole disposal of DSRS.

Participants' Qualifications and Experience

The event is primarily intended for more senior staff having responsibility for implementing, regulating, assessing, or providing scientific and technical support for the implementation of safe and secure disposal of DSRS in borehole disposal facilities.

Participants should have knowledge of radioactive waste management in general, its regulation, and already have a solid understanding of the borehole disposal concept. Participants should further have an identified role to plan and support implementation of borehole disposal.

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. Download and complete the [Designation of Beneficiary and Emergency Contact Form](#), and upload to InTouch+ ('Profile' tab under the personal section) specifying the document name. If already provided, kindly discard this step; and
 - c. Search for the relevant technical cooperation event (EVT2300854) 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 AX Travel Management, or a travel allowance, 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 course, 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

Programme Management Officer (responsible for substantive matters):

Mr Neil Victor Jarvis
Division for Africa
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 22466
Fax: +43 1 26007
Email: N.V.Jarvis@iaea.org

Administrative Contact (responsible for administrative matters):

Ms Nika Notar
Division for Africa
Department of Technical Cooperation
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA
Tel.: +43 1 2600 26663
Fax: +43 1 26007
Email: N.Notar@iaea.org