



# **Technical Meeting on the Management of Hazardous Waste Arising from the Operation and Decommissioning of Research Reactors and Other Nuclear Installations (International Predisposal Network - IPN)**

**IAEA Headquarters, Vienna, Austria**  
and virtual participation via Cisco Webex

**11–15 October 2021**

**Ref. No.: EVT2004126**

## **Information Sheet**

### **Introduction**

The International Atomic Energy Agency (IAEA) promotes the safe and peaceful uses of nuclear energy including the management of radioactive waste according to nationally and internationally agreed principles and standards with safe disposal as endpoint for all waste types.

Many waste streams require immobilization to meet the waste acceptance criteria (WAC) for storage and disposal. Current challenges in the management of hazardous radioactive waste that arise from the operation and decommissioning of research reactors and other nuclear installations are mainly related to processing of these wastes to ensure long term durable conditioned waste for disposal. Examples of these waste includes solid or non-solid explosive, oxidising, flammable, toxic, irritant, carcinogenic, corrosive, infectious waste that are harmful towards human health and the environment.

To support Member States in the management of hazardous radioactive waste, the IAEA is organising a dedicated Technical Meeting on the Management of Hazardous Waste Arising from the Operation and

Decommissioning of Research Reactors and Other Nuclear Installations in the framework of International Predisposal Network (IPN) activities.

The technical meeting aims to provide a forum for experienced Member State representatives involved in managing hazardous radioactive waste to review and discuss topics such as experience and lessons learned regarding processing, waste form properties, waste package durability, safety aspects during long-term storage and/or envisaged disposal.

## **Objectives**

The purpose of the event is to share good practices, challenges and lessons learned related to the management of hazardous waste (both activated and non-activated) arising from the operation and decommissioning of research reactors and related nuclear facilities.

## **Target Audience**

The meeting will feature Member State representative reporting on all ongoing work topics related to management of hazardous radioactive waste containing chemitoxic materials (arsenic, cyanide, beryllium, asbestos, silica dust, electronic components), halogenated solvents (carbon tetrachloride, TCE, chloroform, decontamination chemicals), toxic organics (EDTA, PCBs, TBP, Dioxins PFOS/PFOA, Polybrominated Diphenyl Ethers, Polychlorinated Biphenyls, TCE), toxic heavy metals (Hg, Cr, Cd), nitrates, corrosive chemicals, reactive chemicals (pyrophoric materials, strong oxidizers including Al, Mg, Zr, Na) and radioactive medical waste.

Experience and lessons learned regarding the following specific topical areas will be discussed:

1. Methods used for chemical and radiochemical characterization.
2. Storage of unconditioned hazardous waste.
3. Possibility for re-use.
4. Processing technologies for disposal.
5. Long-term behaviour of conditioned waste packages (during storage and/or disposal).
6. Safety, legislative and financial aspects.

## **Working Language(s)**

The working language of the meeting will be English with no interpretation provided. All communications, abstracts and papers must be submitted in this language.

## Expected Outputs

The expected outcome from the meeting will be a documented summary on status and challenges in the management of hazardous radioactive waste and future mechanisms of sharing knowledge on the identified subject matter.

## Participation and Registration

All persons wishing to participate in the event have to be designated by an IAEA Member State or should be members of organizations that have been invited to attend.

In order to be designated by an IAEA Member State, participants are requested to send the **Participation Form (Form A)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) for onward transmission to the IAEA by **30 August 2021**. Participants who are members of an organization invited to attend are requested to send the **Participation Form (Form A)** through their organization to the IAEA by the above deadline.

Selected participants will be informed in due course on the procedures to be followed with regard to administrative and financial matters.

Participants are hereby informed that the personal data they submit will be processed in line with the [Agency's Personal Data and Privacy Policy](#) and is collected solely for the purpose(s) of reviewing and assessing the application and to complete logistical arrangements where required. Further information can be found in the [Data Processing Notice](#) concerning IAEA InTouch+ platform.

## Expenditures and Grants

No registration fee is charged to participants.

The IAEA is generally not in a position to bear the travel and other costs of participants in the event. The IAEA has, however, limited funds at its disposal to help meet the cost of attendance of certain participants. Upon specific request, such assistance may be offered to normally one participant per country, provided that, in the IAEA's view, the participant will make an important contribution to the event arrangements.

The application for financial support should be made using the **Grant Application Form (Form C)**, which has to be stamped, signed and submitted by the competent national authority to the IAEA together with the **Participation Form (Form A)** by **30 August 2021**.

## Venue

The event will be held at the Vienna International Centre (VIC), where the IAEA's Headquarters are located. Participants must make their own travel and accommodation arrangements.

General information on the VIC and other practical details, such as a list of hotels offering a reduced rate for IAEA participants, are listed on the following IAEA web page:

[www.iaea.org/events](http://www.iaea.org/events).

Participants are advised to arrive at Checkpoint 1/Gate 1 of the VIC one hour before the start of the event on the first day in order to allow for timely registration. Participants will need to present an official photo identification document in order to be admitted to the VIC premises.

## **Visas**

Participants who require a visa to enter Austria should submit the necessary application to the nearest diplomatic or consular representative of Austria at least four weeks before they travel to Austria. Since Austria is a Schengen State, persons requiring a visa will have to apply for a Schengen visa. In States where Austria has no diplomatic mission, visas can be obtained from the consular authority of a Schengen Partner State representing Austria in the country in question.

## **IAEA Contacts**

### **Scientific Secretary:**

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Subsequent correspondence on scientific matters should be sent to the Scientific Secretary/Secretaries and correspondence on other matters related to the event to the Administrative Secretary.