



**IAEA**

International Atomic Energy Agency  
*Atoms for Peace and Development*

# **Technical Meeting on the Management of Irradiated Uranium Waste from Molybdenum-99 Production Using Low Enriched Uranium Targets**

**IAEA Headquarters  
Vienna, Austria**

**2-4 September 2020**

**Ref. No.: EVT1907215**

## **Information Sheet**

### **Information**

Over the last decade, producers of Mo-99 around the world have been converting their production processes from high enriched uranium (HEU) to low enriched uranium (LEU) based technologies. Only a few of the major producers have not yet converted their processes from HEU, though their conversion efforts are underway and are expected to conclude in the coming years.

With conversion from HEU to LEU based processes comes a near fivefold increase in the overall quantity of uranium processed and eventually sent to waste. While these wastes are similar in some ways to irradiated research reactor fuel, they are a separate waste form which may require tailored solutions.

### **Objective**

The purpose of the event is to share tools, best practices and lessons learned from the management of irradiated uranium inventories in order to be able to apply this knowledge to growing low enriched uranium waste inventories resulting from molybdenum-99 production.

## **Topics**

The following will be addressed and discussed during this meeting:

- Uranium management strategies:
  - Direct disposal
  - Recycle and recovery
  - Long term storage
- Technical considerations
- Regulatory and political considerations
- Economic considerations

## **Target Audience**

The attendees should be technical staff of institutions directly involved in the management of irradiated uranium inventories coming from Mo-99 production processes.

## **Working Language**

The working language of the workshop will be English. No interpretation will be provided.

## **Application Procedures**

Designations should be submitted on the attached Participation Form (Form A). Completed forms should be endorsed by the competent national authority (e.g. Ministry of Foreign Affairs or National Atomic Energy Authority) and returned through the established official channels. They must be received by the IAEA no later than **24 July 2020**. Designations received after this date or applications sent directly by individuals or by private institutions cannot be considered. Designating Governments will be informed in due course of the names of the selected candidates and at that time full details will be given on the procedures to be followed regarding administrative and financial matters.

## **Accommodation**

It is the responsibility of the participants to arrange their own accommodation. A list of hotels for

reference and other organizational items will be sent to all designated participants approximately four weeks before the workshop.

## 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.

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 **24 July 2020**.

## 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:

<http://www-pub.iaea.org/iaeaevents/GeneralInfo/Guide/VIC>.

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.

# Organization

## Scientific Secretary

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