



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

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

25-29 April 2022

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.

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.

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

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 **28 February 2022**. 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.

Papers and Presentations

The IAEA encourages participants to give presentations on the work of their respective institutions that falls under the topics listed above.

Participants who wish to give presentations are requested to submit an abstract of their work. The abstract will be reviewed as part of the selection process for presentations. The abstract should be in A4 page format, should extend to no more than 2 pages (including figures and tables) and should not exceed 400 words. It should be sent electronically to Mr John Dewes and Mr Nicholas Alexander Smith, the Scientific Secretaries of the event (see contact details below), not later than **28 February 2022**. Authors will be notified of the acceptance of their proposed presentations by **31 March 2022**.

In addition, participants have to submit the abstract together with the **Participation Form (Form A)** and the attached **Form for Submission of a Paper (Form B)** to their competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA or National Atomic Energy Authority) or their organization for onward transmission to the IAEA not later than **28 February 2022**.

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 **28 February 2022**.

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.

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 Secretaries

Mr John Dewes

Division of Nuclear Fuel Cycle and Waste Technology
Department of Nuclear Energy
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 22770

Fax: +43 1 26007

Email: J.Dewes@iaea.org

Mr Nicholas Alexander Smith

Division of Nuclear Fuel Cycle and Waste Technology
Department of Nuclear Energy
International Atomic Energy Agency
Vienna International Centre
PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 22769

Fax: +43 1 26007

Email: N.Smith@iaea.org

Administrative Secretary

Ms Sharon Garcia

Division of Nuclear Fuel Cycle and Waste Technology
Department of Nuclear Energy
International Atomic Energy Agency
Vienna International Centre

PO Box 100
1400 VIENNA
AUSTRIA

Tel.: +43 1 2600 22681

Fax: +43 1 26007

Email: Sh.Garcia@iaea.org

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.