



IAEA

Átomos para la paz y el desarrollo

الوكالة الدولية للطاقة الذرية

国际原子能机构

International Atomic Energy Agency

Agence internationale de l'énergie atomique

Международное агентство по атомной энергии

Organismo Internacional de Energía Atómica

Vienna International Centre, PO Box 100, 1400 Vienna, Austria

Phone: (+43 1) 2600 • Fax: (+43 1) 26007

Email: Official.Mail@iaea.org • Internet: <https://www.iaea.org>

In reply please refer to: EVT1904418

Dial directly to extension: (+43 1) 2600-22607

La Secretaría del Organismo Internacional de Energía Atómica (OIEA) saluda a los Estados Miembros del OIEA y tiene el honor de señalar a su atención la celebración de la **Reunión Técnica sobre Pruebas de Estudio del Comportamiento de los Cuerpos de Desecho para la Disposición Final de Desechos de Actividad Baja (Red Internacional sobre la Gestión Previa a la Disposición Final, IPN)** (denominada en adelante el “evento”), que tendrá lugar de forma virtual a través de Cisco WebEx del **12 al 23 de abril de 2021**.

La finalidad del evento es servir de foro para que los Estados Miembros puedan intercambiar experiencias en la esfera de las pruebas de estudio del comportamiento de los cuerpos de desecho para la disposición final de desechos de actividad baja. Durante el evento se abordarán las buenas prácticas, las enseñanzas extraídas y los últimos avances en materia de pruebas de estudio del comportamiento de los cuerpos de desecho de actividad baja.

En la reseña informativa adjunta se ofrecen más detalles sobre el evento.

El evento se celebrará en inglés.

Se invita a los Estados Miembros a designar a una o más personas para que participen en este evento en representación de su Gobierno y se los alienta encarecidamente a que seleccionen con ese fin a mujeres calificadas.

Las designaciones deben presentarse al OIEA por conducto de la autoridad nacional competente (el Ministerio de Relaciones Exteriores, la Misión Permanente ante el OIEA o la Autoridad Nacional de Energía Atómica), a más tardar el **31 de marzo de 2021**, por medio del formulario de participación adjunto (Formulario A). Los formularios de participación debidamente cumplimentados y autorizados deben enviarse por correo electrónico a la dirección Official.Mail@iaea.org o por fax al número: +43 1 26007 (no se precisan copias impresas). Deben enviarse copias de los formularios por correo electrónico al Secretario Científico del evento, Sr. Willie Meyer, División del Ciclo del Combustible Nuclear y de Tecnología de los Desechos, Departamento de Energía Nuclear (correo electrónico: W.Meyer@iaea.org), y a la Secretaria Administrativa, Sra. Marina Tolstenkova (correo electrónico: M.Tolstenkova@iaea.org). Una vez recibidas las designaciones oficiales, el Secretario Científico del evento contactará directamente a los participantes en relación con otras cuestiones de organización, según proceda.

El OIEA no se hace responsable de virus informáticos, gusanos, troyanos, puertas traseras, temporizadores, relojes, contadores o cualquier otra rutina, instrucción o diseño que limiten el funcionamiento, u otro código no solicitado malicioso, ilícito o similar, incluidos programas de vigilancia o rutinas que puedan permitir a cualquier persona, o por iniciativa propia, el acceso con el objetivo de borrar, o dañar o modificar de cualquier otro modo datos o sistemas, servidores, instalaciones

u otra infraestructura del usuario final (colectivamente, “código inhabilitante”). Asimismo, el proveedor de los servicios para la reunión virtual ha asegurado y garantizado que los Servicios no contendrán, ni ningún usuario final recibirá del programa informático empleado para celebrar la reunión virtual, ninguno de estos códigos inhabilitantes.

La Secretaría del Organismo Internacional de Energía Atómica aprovecha esta oportunidad para reiterar a los Estados Miembros del OIEA el testimonio de su distinguida consideración.



16 de marzo de 2021

Documentación adjunta (en inglés únicamente):

Reseña informativa

Formulario de participación (Formulario A)

Formulario de presentación de memorias (Formulario B)



INFORMATION SHEET

Virtual Technical Meeting on Waste Form Performance Testing for Low Level Waste Disposal (International Predisposal Network, IPN)

Virtual Meeting: 12 -23 April 2021

Ref. No.: EVT1904418

A. 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 low-level waste (LLW) streams require immobilization to meet the waste acceptance criteria (WAC) for storage and disposal. There are many technologies, including both thermal and non-thermal processes, that are operational world-wide to produce a variety of stable waste forms. To ensure that the waste form produced will conform with the relevant waste acceptance criteria, it is necessary to perform a number of tests to establish the performance of the waste form over the envisaged timescales and conditions for storage and disposal. These tests are referred to as waste form performance tests.

B. • Objective

The purpose of the event is to provide a forum for Member States to share their experiences in waste form performance testing for low level waste disposal. The event will cover good practices, lessons learned and recent progress in the field of low-level waste form performance testing.

C. Scope

The meeting will feature Member State representatives reporting their experience topics related to waste form performance testing for low level waste disposal including experience and lessons learned. The following specific topical areas are applicable:

1. Waste form quality control (water content, penetration, viscosity, leaching test, differential thermal analysis (DTA), flammability, radiolysis, radiation durability and WAC compliance).
2. Waste container quality controls (Mechanical, corrosion, radiation resistance properties and WAC compliance)
3. Long-term durability determination of total waste package (leaching, mechanical strength, transportation requirements, radiation durability, geochemical durability, WAC compliance, etc.).
4. New experimental developments.

Meeting participants are expected to present overview reports/presentations focusing on waste form performance testing at industrial implementation scale.

D. Expected Outputs

The expected outcome from the meeting will be a documented summary on the current status Waste Form Performance Testing for Low-Level Waste Disposal and future mechanisms for sharing and benchmarking of knowledge on the topic.

E. Role of the Participants

The VCM is a new alternative method replacing the traditional in person meetings that is not possible due to the Covid situation. The entire VCM will be managed remotely and will occur over a longer time frame (five weeks) than the traditional five day in-person consultancy meeting. The VCM will rely on both planned and ad hoc video or audio conference calls in addition some home-based tasks. It is envisaged that the overall time commitment required of the experts during this extended period will be approximately the same as that required for a conventional five-day consultancy meeting.

In general, one or more (time zone dependant) meetings will be held via WebEx and in order to gauge workload required from the participants, the following list of events and nominal time contributions are proposed;

WebEx 12 April and 14 April 2021 (4 hours per day)

- Presentations regarding Waste Form quality control
- Summarizing Waste Form quality control used by Member States for different waste forms.

1 day effort

WebEx 16 April and 19 April 2021 (4 hours per day)

- Presentations regarding Waste container quality control
- Summarizing Waste Containers (disposal) quality control used by Member States

1 day effort

WebEx 20 April and 23 April 2021 (4 hours per day)

- Presentations regarding Waste package quality control
- Summarizing Waste Package (disposal) quality control used by Member States

Depending on registered participants (including presentations), additional WebEx days might be included during the same period.

F. Collaboration Tools

This event will make extensive use of online collaboration tools. The Agency will setup a SharePoint site for the project; due to potential sensitivities, the site will be closed and access will be granted only by request to the Scientific Secretary. The SharePoint site will serve as the document repository for all documents. In addition to typical documents (MS Word, Excel, etc.), the site will also house a number of “How To” videos produced by the Agency to help facilitate telecommunications issues and videos regarding the background and aim of this project. The SharePoint site will also use a message board function to allow participants to post questions about specific topics.

Access to the Microsoft Teams platform will be arranged for all of the participants. This platform is easy to use for 1-on-1 and small group chats, typically scheduled on an Ad Hoc basis by the participants. Larger meetings, if needed, will be done via the WebEx platform (the Agency will facilitate this).

G. Working Language

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

H. Organization

Official correspondence regarding the technical aspects of the meeting should be addressed to the Scientific Secretary:

Willem Meyer

Tel.: +43 1 2600 222659 Fax: +43 1 26007

Email: W.Meyer@iaea.org

Official correspondence regarding administrative issues should be addressed to the Administrative Secretary:

Marina Tolstenkova

Tel.: +43 1 2600 21968 Fax: +43 1 26007

Email: M.Tolstenkova@iaea.org

Participation Form

Technical Meeting on Waste Form Performance Testing for Low Level Waste Disposal (International Predisposal Network, IPN)

Virtual Event

12–23 April 2021

To be completed by the participant and sent to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA) either by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary W.Meyer@iaea.org and to the Administrative Secretary M.Tolstenkova@iaea.org.

Deadline for receipt by IAEA through official channels: 31 March 2021

Family name(s): (same as in passport)	First name(s): (same as in passport)	Mr/Ms
Institution:		
Full address:		
Tel. (Fax):		
Email:		
Nationality:	Representing following Member State/non-Member State/entity or invited organization:	
If/as applicable: Do you intend to submit a paper? Yes ☐ No ☐ Would you prefer to present your paper as a poster? Yes ☐ No ☐ Title:		

Form for Submission of a Paper

Technical Meeting on Waste Form Performance Testing for Low Level Waste Disposal (International Predisposal Network, IPN)

Virtual Event

12–23 April 2021

To be completed by the participant and sent to the competent national authority (e.g. Ministry of Foreign Affairs, Permanent Mission to the IAEA, or National Atomic Energy Authority) of his/her country for subsequent transmission to the International Atomic Energy Agency (IAEA) either by email to: Official.Mail@iaea.org or by fax to: +43 1 26007 (no hard copies needed). Please also send a copy by email to the Scientific Secretary W.Meyer@iaea.org and to the Administrative Secretary M.Tolstenkova@iaea.org.

Deadline for receipt by IAEA through official channels: 31 March 2021

Title of the paper:		
If applicable: Abstract ID in IAEA-INDICO:		
Family name(s) and first name(s) of all author(s) (same as in passport(s):	Scientific establishment(s) in which the work has been carried out	City/Country
1.		
2.		
3.		
Family name(s) and first name(s) of author presenting the paper (same as in passport):	Mr/Ms:	
Mailing address:		
Tel. (Fax):		
Email:		

I hereby agree to assign to the International Atomic Energy Agency (IAEA):

- ☐ the copyright; or
- ☐ the non-exclusive, worldwide, free-of-charge licence (this option is only for those authors whose parent institution does not allow them to transfer the copyright for work carried out in that institution) granting the IAEA world rights for the use of the aforementioned material in this and any future editions of the publication, in all languages, and in all formats available now, or to be developed in the future (digital formats, hard copy etc.).

Please note: If granting the licence mentioned above, please supply any copyright acknowledgement text required.

Furthermore, I herewith declare:

- ☐ that the material submitted to the IAEA is original, except for such excerpts from copyrighted works as may be included with the permission of the copyright holders thereof, has been written by the stated authors, has not been published before, and is not under consideration for publication by another entity;
- ☐ that any permissions and rights to publish required for third-party content, including but not limited to figures and tables, have been obtained, that all published material is correctly referenced; and
- ☐ that the material submitted to the IAEA does not contain any libellous or other unlawful statements and does not contain any materials that violate any personal or proprietary rights of any person or entity.

Date:

Signature of main author: