

## Thematic areas to be covered

- Waste management policies and strategies for all waste types and disposal options and multilateral approaches.
- The global safety regime
  - the Joint Convention
  - international safety standards
  - national legal and regulatory infrastructure
- The structure and content of safety cases
- The technology and safety of disposal facilities
  - geological
  - near surface
  - borehole
  - intermediate depth for non-heat-generating long-lived waste
  - mining and minerals processing waste
  - very low activity waste
- Building of confidence
  - dealing with data, modelling and scenario uncertainty
  - international peer review
  - use of international safety standards
  - periodic re-assessment
  - Stakeholder involvement and public acceptance
- Licensing
  - regulatory review and decision making
  - establishing and applying limits, controls and conditions
- Existing facilities and decision making on upgrading safety

## IAEA CONFERENCE SECRETARIAT

### Scientific Secretaries:

Mr. Phil Metcalf,  
Waste Safety Section, NSRW  
(E-mail: P.Metcalf@iaea.org)

Mr. J.M. Potier  
Waste Technology Section, NEFW  
(E-mail: J.M.Potier@iaea.org)

### Conference Co-ordinator:

Ms. H. Schmid  
Conference Services Section  
(E-mail: H.Schmid@iaea.org)

### International Atomic Energy Agency

IAEA-CN-135  
Vienna International Centre  
P.O. Box 100  
Wagramer Strasse 5  
A 1400 Vienna, Austria  
Telephone No.: (+43) 1 2600-0  
Telefax No.: (+43) 1 26007  
Official.mail@iaea.org

### CONFERENCE WEBSITE:

The announcement and Registration Forms are available under:  
<http://www-pub.iaea.org/MTCD/Meetings/Meetings2005.asp>

# International Conference on the Safety of Radioactive Waste Disposal

Tokyo, Japan  
3-7 October 2005



IAEA

Organized by the  
International Atomic Energy Agency



In cooperation with the  
OECD Nuclear Energy Agency

NISA

Hosted by the Government of Japan through the  
Nuclear and Industrial Safety Agency (NISA),  
Ministry of Economy, Trade and Industry (METI),



in cooperation with the  
Japan Nuclear Energy Safety Organization (JNES)



## Poster Sessions

Contributed papers will be displayed in parallel to the plenary sessions as posters throughout the Symposium.

## Intended Audience

The conference is directed at a broad range of persons interested in radioactive waste disposal. It will be of particular interest to experts involved in the development of national radioactive waste disposal strategies, developers and operators of disposal facilities, experts involved in safety assessment and the compilation of safety cases and regulatory authorities responsible for the licensing of such facilities. It will also be of interest to regional and local government authorities within whose jurisdiction radioactive waste disposal facilities will be sited.

## Registration Fee

No registration fee is charged to participants.

## Objective

The objective of the Conference is to foster information exchange on the safety of radioactive waste disposal covering; the choice of appropriate waste disposal options, safety standards, safety cases for presenting safety arguments and demonstrating compliance with standards, safety assessment methodologies and their application, dealing with uncertainty, regulatory review and decision making, the derivation of limits, controls and conditions to be applied to the development and operation of disposal facilities to ensure safety and the communication of safety issues to all interested stakeholders and confidence development. The conference will consider all possible disposal options available, drawing from experience in Member States with near surface and geological disposal facilities and those at intermediate depths and giving consideration to any multilateral approach that may be adopted.

## Programme Structure

The Conference programme will be based on the following approach:

- After the opening of the Conference the first session will address the various types of radioactive waste that arise in practice and the disposal options that are deemed suitable and appropriate for their disposal. The important design characteristic providing for safety in the different disposal facility options will be addressed. The internationally accepted safety standards will be discussed together with the measures necessary to demonstrate compliance with them.
- The conference will then consider the structure and content of safety cases that need to be made to present the arguments on which the safety of waste disposal facilities are based and the supporting safety assessments. It will also deal with the evidence necessary to support the safety arguments and the research programmes aimed at providing such evidence.

- A number of sessions will then deal with the type and extent of safety assessment necessary for different waste disposal facility types and designs. It will address the assessment methodology and the information needed to undertake the assessment. It will cover operational and post closure safety, the expected normal evolution of the facility over time and disruptive events, of both natural and anthropogenic origin.
- The issue of uncertainty will be addressed and how it can be dealt with in safety assessments and options for presentation in the safety case will be discussed. Overall development of confidence in the safety arguments and supporting assessments will also be addressed.
- The regulatory review process and related decision making will be covered in a further session together with the establishment and implementation of limits, controls and conditions necessary during the development, construction, operation and closure of facilities.
- Each of the various sessions will feature a limited number of invited keynote presentations and a summary of issues raised in submitted papers. An expert panel will discuss the issues arising from these presentations and those identified from the floor.
- The conclusions arising from the various sessions will be summarised, presented and reviewed on the final day of the conference and a set of conclusions formulated.