

TOPIC 15 – LOW AND INTERMEDIATE LEVEL WASTE STORAGE AND DISPOSAL

Wednesday, 18 November 2015
Conference Room, Nuclear Fuel Cycle Royal Commission
Level 5, 50 Grenfell Street, Adelaide SA 5000

Mr Patrick Davoren, Senior Public Service Administrator (retired) (9am)

Patrick Davoren has held a number of senior positions in the Commonwealth Government where he advised on nuclear related issues and strategies. He was involved in the development of the first nationwide radioactive waste repository siting approach in collaboration with the Bureau of Rural Sciences and ANSTO. From 2005 until his retirement in 2012, Mr Davoren participated in both strategies to site a repository for Commonwealth radioactive waste. He was responsible for undertaking public engagement, developing enabling legislation and reporting to Parliamentary committees in relation to those matters.

Topics to be addressed at this public session:

- ⊕ Characteristics of radioactive wastes, their sources of production and the relationship between those characteristics and appropriate disposal pathways
- ⊕ Case study on the National Waste Repository Project, the National Store Project and the Commonwealth Radioactive Waste Management Facility Project

Dr Dirk Mallants, CSIRO Land and Water (11am)

Dr Dirk Mallants is a Senior Principal Research Scientist at CSIRO Land and Water. He has worked in soil and groundwater hydrology for more than 25 years and has experience in characterising and modelling water flow and contaminant transport in complex environments. Dr Mallants was previously Head of the Performance Assessments Unit at the Belgian Nuclear Research Centre, SCK·CEN. In this role, he oversaw the safety assessment studies which were carried out for the Belgian repository for low-level radioactive waste. Dr Mallants is widely published in the area of water-related environmental contamination issues and has delivered IAEA training courses concerning subsurface characterisation and safety assessments for wastes arising from the nuclear fuel cycle.

Topics to be addressed at this public session:

- ⊕ Case study on the establishment and operation of the ONDRAF/NIRAS low level waste surface disposal facility in Belgium

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Dr Sami Hautakangas, Fortum (1.30pm)

Fortum is a Finnish energy company which was founded in 1998. Its operations include hydroelectric, nuclear and solar power generation, and it is one of the largest producers of heat in the world. Fortum's main areas of operation are the Nordic and the Baltic countries, Russia and Poland. Dr Sami Hautakangas is a Product Manager in Nuclear Expert Services at Fortum. Having commenced work at Fortum in 2007, he has held several roles including Manager, Nuclear Waste Research and Development, and Department Head, Nuclear Waste and Technology. Dr Hautakangas obtained his Doctoral in Engineering Physics from the Helsinki University of Technology in 2005.

Topics to be addressed at this public session:

- ⊕ Case study on the establishment and operation of the VLJ and Loviisa repositories in Finland

Mr Emilio García Neri, ENRESA (4.15pm, by video-link)

ENRESA is the Spanish National Agency for Radioactive Waste Management and Decommissioning. Having been created by the Spanish Parliament in 1984, it is a public company which deals with the management and storage of radioactive waste produced in Spain, the decommissioning of nuclear power plants and the environmental restoration of uranium mines and related facilities. Emilio García Neri joined ENRESA in 1993. Throughout his career, Mr Neri has worked in the coordination and monitoring of ENRESA's activities in low and intermediate level radioactive waste management and decommissioning activities. Emilio García Neri is the national representative on a number of European Commission and IAEA bodies, including the IAEA's Waste Technology Advisory Committee.

Topics to be addressed at this public session:

- ⊕ Case study on the establishment and operation of the El Cabril low and intermediate level radioactive waste disposal facility in Spain
- ⊕ Case study on the ongoing planning for the establishment of the centralised high-level waste temporary storage facility in Spain