

TOPIC 21 – REGULATORY OVERSIGHT

Friday, 11 December 2015
Conference Room, Nuclear Fuel Cycle Royal Commission
Level 5, 50 Grenfell Street, Adelaide SA 5000

Mr Donald Hoffman, Excel Services Corporation, US (8am via video-link)

Mr Hoffman is the President and CEO of EXCEL Services Corporation, which he founded in 1985. EXCEL Services Corporation provides specialist advice and support services to nuclear facilities in the US and internationally with respect to operations, engineering, safety, licensing and regulatory issues. Prior to this, Mr Hoffman was a Branch Chief and lead reviewer at the US Nuclear Regulatory Commission and an Engineering Officer on a US Navy nuclear submarine. Mr Hoffman served as President of the American Nuclear Society from 2013-2014. He currently provides presentations on the benefits of nuclear science and technology to the US Congress and is chairing a committee to support all the US Governors on implementing the US Clean Energy Act and addressing the Climate Control Acts.

Topics to be addressed at this public session:

- ⊕ Essential characteristics of a credible nuclear regulator
- ⊕ Overview of nuclear regulatory regimes operating in other countries
- ⊕ Pathways to establishing a regulatory regime in a country with limited experience in commercial nuclear activities.

Dr John Loy, (retired) formerly of the Federal Authority for Nuclear Regulation, United Arab Emirates (10.30am)

Dr John Loy was, until late November 2015, the Deputy Director General of Operations Division at the Federal Authority for Nuclear Regulation (FANR) in the United Arab Emirates. In this role he led the Operations Division in preparing regulations, safety assessments, managing the licensing programme, inspection and enforcement, and in cooperating with and advising other governmental agencies on relevant matters. He also managed the technical capacity-building and training of Emiratis employed in the division. He joined FANR in December 2008. A physicist by training, Dr Loy had been the founding CEO of the Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) for over 10 years, during which he licensed the construction and operation of the OPAL research reactor. He has contributed extensively to international work in radiation protection and nuclear safety.

Topics to be addressed at this public session:

- ⊕ Key steps taken and lessons learned during the development of nuclear regulatory agencies in Australia and the UAE
- ⊕ Practical pathways to developing a credible regulatory regime if South Australia were to embark on further activities within the nuclear fuel cycle.

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Mr John Carlson AM, former Director-General, Australian Safeguards and Non-proliferation Office (ASNO) (12pm)

John Carlson AM was the Director-General of the Australian Safeguards and Non-proliferation Office (ASNO) from 1989 until 2010. From 2001 until 2006, he was Chair of the IAEA's Standing Advisory Group on Safeguards Implementation. He was a member of the Advisory Board of the International Commission on Nuclear Non-proliferation and Disarmament, and from 2009 to 2012 was Founding Chair of the Asia-Pacific Safeguards Network. Mr Carlson is currently a Fellow of the Institute of Nuclear Materials Management and a recipient of the Institute's Distinguished Service Award. He is also currently Counselor to the Washington-based Nuclear Threat Initiative. In 2012, John Carlson was appointed as a Member of the Order of Australia. Mr Carlson has contributed to books and published a number of articles in peer-reviewed journals and in popular media. His publications relate to topics such as nuclear non-proliferation, disarmament, verification and security issues. Mr Carlson is a member of the Expert Advisory Committee to the South Australian Nuclear Fuel Cycle Royal Commission.

Topics to be addressed at this public session:

- ⊕ Overview of existing Australian and international regulatory frameworks applying to nuclear activities
- ⊕ Practical pathways to developing a credible regulatory regime were South Australia to embark on further activities within the nuclear fuel cycle.