



Congress News

**14th International Congress of the Radiation Protection Association
9 - 13 May 2016, Cape Town – South Africa**

IRPA14 TECHNICAL TOURS

Pre-Congress Technical Visits and Tours

Delegates will be able to visit a variety of facilities as part of the Technical Visits programme as well as a tour to Necsa. These visits will take place prior to the Congress on Friday 6 May 2016 and can either be attended as a one-day visit or as part of a sightseeing tour. All visits will depart from the Cape Town International Convention Centre except the visit to Necsa.

Koeberg Nuclear Power Station (One Day Visit)

Date: 6 May 2016 / Time: 08h00 to 17h00

Facilities that would be included in the tour at the Koeberg Nuclear Power Station are:

- The Low/Intermediate Level Waste Storage Facility
- The Emergency Preparedness and Response Control Centre
- The Turbine Hall
- The cooling water intake basin and filtration system
- The Visitor's Centre
- The Radiation Protection Training Facility

Groote Schuur and Tygerberg Hospital (One Day Visit)

Date: 6 May 2016 / Time: 08h00 to 17h00

The visit entails a tour of the "Heart of Cape Town" Museum (Entrance fee included); a museum built on the Groote Schuur Hospital premises around the first heart transplant. It will also include a tour to the radiotherapy department.

iThemba LABS

Date: 6 May 2016 / Time: 13h00 - 16h00

The iThemba Laboratory for Accelerator-Based Sciences is a group of multi-disciplinary research laboratories administered by the National Research Foundation. Based at two sites in the Western Cape and Gauteng, these provide facilities for:

- Basic and applied research using particle beams
- Particle radiotherapy for the treatment of cancer
- The supply of accelerator-produced radioactive isotopes for nuclear medicine and research

South African Nuclear Energy Corporation (Necsa)

Day 1: Travel from the OR Tambo International airport to the Holiday Inn Johannesburg Airport

This two day tour will afford delegates the opportunity to visit a variety of nuclear facilities at Necsa's picturesque Pelindaba Site located 70 km from the OR Tambo airport, Johannesburg.



Necsa is a state-owned company responsible for undertaking and promoting Research and Development in the field of nuclear energy and radiation sciences. It is also responsible for processing source material, including uranium enrichment, and cooperating with other institutions, locally and abroad, on nuclear and related matters.

More information at www.necsa.co.za

Facilities that would be included in the visit would be:

- SAFARI-1 Research Reactor: 20 Megawatt tank-in-pool type nuclear research reactor, owned and operated by Necsa.
- NTP Radioisotopes SOC Ltd: Responsible for a range of radiation-based products and services for healthcare, life sciences and industry. Necsa is by far Africa's largest producer of a range of medical isotopes and an important international supplier of ⁹⁹Mo which is used for diagnostic purposes and therapeutic treatment of cancers. Many millions of people have received the benefits of medical isotopes originating from the SAFARI-1 Research Reactor.
- Pelstore: Responsible for pre-disposal operations of all solid radioactive waste originating from Necsa operational facilities and also the interim storage area for all solid radioactive waste from Necsa's decommissioned enrichment programme. A large facility containing 65000 steel drums with

several operations, e.g. segmented drum scanner, repacking area and dispatch area for waste transported to the Vaalputs radioactive waste disposal facility.

- o Necsa Emergency Control Centre: From this centre emergencies at Necsa are managed by a multidiscipline team of functionaries. Emergency services are also provided to the local municipality. The Centre which has been renovated during the FIFA 2010 World Cup and has been successfully used as a national nuclear security and emergencies command centre for several major public events such as FIFA 2010 World Cup, COP 17 and AFCON 2013.
- o Necsa Visitor Centre: Used to promote the public understanding of nuclear science and technology and facilitate regular communication with the public and its stakeholders.

For full details on the Technical Tours and to book, go to:

http://www.irpa2016capetown.org.za/Tours/tours_Technical.asp



www.irpa2016capetown.org.za



Congress Secretariat

Turners Conferences

Po Box 1935, Durban 4000, South Africa,

Telephone +27 31 3688000

Email: info@irpa2016capetown.org.za