



Australian Government

Australian Radiation Protection and Nuclear Safety Agency

F0157

Facility Licence

Under Section 32 of the *Australian Radiation Protection and Nuclear Safety Act 1998* (the Act), I, John Loy, Chief Executive Officer of ARPANSA issue a Facility Licence to:

Australian Nuclear Science and Technology Organisation (ANSTO)

that authorises the persons identified below to Operate the Nuclear Installation, subject to the following Licence Conditions:

1. Licence Conditions in Sub-section 35(3) of the Act
2. Licence Conditions referred to in Paragraph 35(1)(b) of the Act and prescribed in Part 4, Division 4 of the *Australian Radiation Protection and Nuclear Safety Regulations 1999*, (the regulations)
3. Practices to be followed in Part 5 of the regulations
4. The Licence Conditions specified in Schedule 2

This Licence comprises this page and the following:

- Schedule 1 - Interpretation
- Schedule 2 - Licence Conditions

Persons covered by this Licence are ANSTO, employees of ANSTO, Commonwealth Contractors and employees of Commonwealth Contractors.

ISSUED at SYDNEY, this 14th day of July 2006

John Loy
CEO of ARPANSA

In accordance with section 37 of the Act this licence continues in force until cancelled or surrendered

Schedule 1

Interpretation

“ANSTO” means the Australian Science and Technology Organisation being the licence holder.

“**Application**” means the application for a facility licence under the ARPANS Act dated 13 September 2004 submitted by the Executive Director, ANSTO and accepted by the CEO of ARPANSA as a valid application on 8 October 2004, as amended.


“ARPANSA” means the Australian Radiation Protection and Nuclear Safety Agency.

“**CEO of ARPANSA**” means the Chief Executive Officer of the Australian Radiation Protection and Nuclear Safety Agency.

“**Nuclear Installation**” means a nuclear reactor for research or production of nuclear materials for industrial or medical use, referred to as the Open Pool Australian Light-water reactor (OPAL).

“**Operate**” means:

- (i) To operate the OPAL reactor for the purpose of hot commissioning, in accordance with the program defined in the:
 - Commissioning Plan (RRP-7311-EDEIN-001-F Revision: F)
 - Stage B1 Commissioning plans (RRP-7330-EDEIN-001 Revision: D)
 - Stage B2 Commissioning Plan (RRP-7340-EDEIN-001 Revision: D); and
 - Stage C Commissioning Plan (RRP-7350-EDEIN-001 Revision: C); and
- (ii) to operate the OPAL reactor for the purposes defined in the Application, in accordance with that Application.


14/7/2006

Schedule 2 Licence Conditions

1. *Periodic Safety Review*

- 1.1 *ANSTO must submit to the CEO of ARPANSA a periodic safety review that is a detailed re-examination of the safety of the OPAL reactor taking into account operating experience and international best practice in radiation protection and nuclear safety.*
- 1.2 *The first such review must be completed no later than two years after the completion of commissioning of the OPAL reactor and must include revision of the Safety Analysis Report to the satisfaction of the CEO of ARPANSA.*
- 1.3 *Reviews thereafter are to be conducted at intervals of no more than ten years.*
- 1.4 *ANSTO must arrange for the periodic safety reviews to be subject to international peer review.*

2. *Periodic Security Review*

- 2.1 *ANSTO must submit to the CEO of ARPANSA and to the Director General of the Australian Safeguards and Non Proliferation Office, periodically for assessment a detailed review of the physical protection and security systems, taking into account operating experience and developments in the security environment and international best practice in physical security for nuclear installations.*
- 2.2 *The first such review must be completed no later than two years after the date of completion of the commissioning of the OPAL reactor and thereafter at intervals agreed with the CEO of ARPANSA and the Director General of the Australian Safeguards and Non Proliferation Office, taking into account developments in the security environment.*

3. *Safety culture*

- 3.1 *ANSTO must prepare and implement a program to support continuous improvement in the safety culture of the OPAL operating organisation, including regular surveys by an independent organisation of the safety climate within the OPAL operating organisation.*
- 3.2 *ANSTO must also propose and maintain a set of safety performance indicators to be agreed with the CEO of ARPANSA.*

4. *Quarterly Reporting*

- 4.1 *ANSTO must provide to the CEO within twenty-eight (28) days of the end of each quarter year a report that includes:*
 - 4.1.1 *information required to be reported under ANSTO Event Notification;*


- 4.1.2 *information related to all proposed relevant changes (including modifications) identified during the quarter;*
- 4.1.3 *the categorisation of all relevant changes including whether or not the prior approval of the CEO of ARPANSA will be required prior to implementation;*
- 4.1.4 *information about the relevant changes (including modifications) in progress during the quarter and their status;*
- 4.1.5 *a list of all relevant changes (including modifications) completed during the quarter; and*
- 4.1.6 *the activity of any radioactivity released to the environment from the OPAL reactor during the quarter.*

5. Discharge Authorisation

- 5.1 *ANSTO must comply with the Discharge Authorisation for the ANSTO site, as amended to include the OPAL, as set out in the ANSTO Licence Conditions Handbook.*

6. Index of Documents

- 6.1 *ANSTO must develop and maintain an index of documents which demonstrates compliance with the licence conditions for the OPAL reactor to the satisfaction of the CEO of ARPANSA.*


14/7/2006