

Ansto

Efficient and effective regulation

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Our Values

- Values are the foundation of workplace culture
- Define how we work together and with our external stakeholders
- Values underpin positive and effective behaviours shared by all



ANSTOLarge licence "Footprint"



Nuclear installations 7 licences	Prescribed radiation facilities 15	Source licences 3
1 x Construction	1 x Siting and construction	
4 x Operations	14 x Operations	
2 x Possess or control		

Annual licence charges: \$2.5M (FY15/16)

ANSTO Nuclear Medicine



ANSTO Nuclear Medicine building under construction

The Synroc Plant



Research and Development



Australian Synchrotron



ANSTO

Social and economic benefits for Australia









Understanding the environment

Regulation of ANSTO

ANSTO's activities are overseen by over 30 regulators

Three main operations regulators



Australian Government

Australian Radiation Protection and Nuclear Safety Agency



Australian Government

Comcare



Australian Government

Australian Safeguards and Non-Proliferation Office

ARPANSA

Comcare

ASNO

Principles of radiation protection

1. Justification

All activities must have a positive net benefit

2. Optimisation

All risks controlled to ALARA (Social and economic factors being considered)

3. Limitation

All exposures below relevant regulatory limit



ANSTO Control Model

Ultimate responsibility for safety *remains with the CEO*



ANSTO Assurance Model

Quality
Management System(s):
Operating experience
Conservative event reporting
Audit and review

Non conformity or Improvement

Corrective actions and Improvement

Complete, open and accurate approach to reporting

Are we the operator the regulator wants to see?

Clear distinction between the roles of operator and regulator

Operator

- Responsible for safety
- Owner of plans and arrangements
- Maintains operational control at all times
- Continuous improvement

Regulator

 Assurance that operators are conducting their undertakings in the manner prescribed

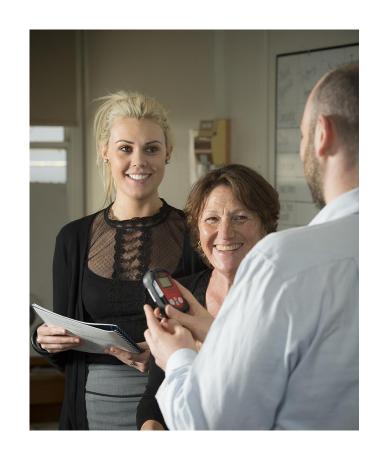
Transparent and predictable processes

- Should not have a negative impact on resources
- Risk informed
- Timely processing
- Action proportionate to risk



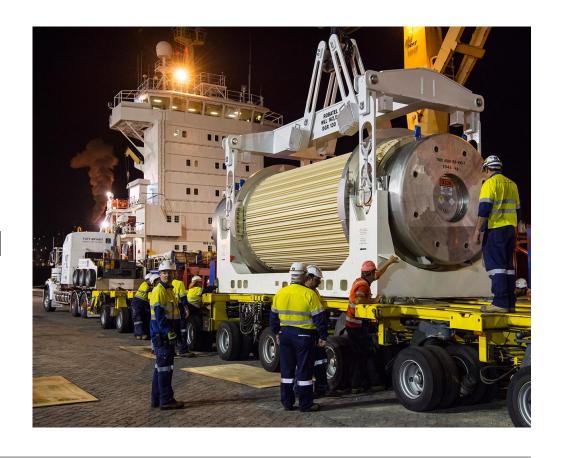
Effective communication

- Information sharing encouraged
- Clear, transparent and effective
- Coordination to minimise disruptions to activities
- Role of licensees in development of regulatory guides
- Normative language



Framework supports continuous improvement

- Implementation of improvements should be uncomplicated
- Application of lessons learned from local and international events
- Operating experience



Non-duplication of work

- Rely on the assessments from other competent bodies to reduce burden (to regulator and licensee)
- Information sharing between regulatory bodies is encouraged
- Streamlining of monitoring activities

Appropriate frames of reference

- Nuclear power reactor standards: appropriate reference frame for countries like Australia?
- Requirements risk and hazard informed?
- Engineering practice and operating experience?
- Cost of risk controls?
- Frame of reference does matter

Can operators and regulators fall into bad habits?

- Re-inforce and affirm the positive
- Analyse and eliminate patterns of interaction that may undermine the differentiated but aligned outcomes
- Is a "learning model" able to optimise resource deployments over time?
- Is a "maturity model" a useful idea for planning?

The operator the regulator wants to see



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Thank you