



POSITION DESCRIPTION

Position Title:	Scientist - Environmental Assessment
Cluster / Business Unit / Division	Nuclear Safety Security and Stewardship
Section or Unit:	Nuclear Stewardship
Classification:	Band 5
Job Family:	Research
Position Description Number:	PD-2369
Work Contract Type:	Research & Sciences
STEMM/NON-STEMM:	STEMM

POSITION PURPOSE

The Scientist - Environmental Assessment is responsible for the provision of analytical and radioanalytical services, including to support the delivery of radiological baseline assessments for the Australian Submarine Agency (ASA) on behalf of ANSTO.

ORGANISATIONAL ENVIRONMENT

ANSTO leverages great science to deliver big outcomes. We partner with scientists and engineers and apply new technologies to provide real-world benefits. Our work improves human health, saves lives, builds our industries and protects the environment. ANSTO is the home of Australia's most significant landmark and national infrastructure for research. Thousands of scientists from industry and academia benefit from gaining access to state-of-the-art instruments every year.

ANSTO is the national organisation for nuclear science and technology. We focus on undertaking leading edge research, delivering innovative scientific services and providing specialised advice to government, industry, academia and other research organisations.

The Nuclear Safety, Security and Stewardship incorporates High Reliability (Safety), Nuclear Security and Safeguards and the Nuclear Stewardship science and technology platform. The Group provides critical enabling functions for ANSTO ensuring operational compliance for a range of regulators as well providing a range of mandated services to federal and state government departments and agencies.

Within NSSS, Nuclear Stewardship is the custodian of ANSTO's mandated and site-essential science capabilities that respond to the needs of the Australian Government, industry and the community relevant to nuclear measurement, nuclear forensics, radionuclide metrology, radioanalytical chemistry and environmental monitoring. These capabilities underpin ANSTO's ability to be responsive to and prepared for a range of nuclear stewardship related functions and responsibilities through the provision of trusted scientific advice and specialised services.

The Radioanalytical Chemistry (RAC) group develops and maintains specialist radioanalytical and experimental facilities utilising nuclear techniques to support ANSTO's core activities and its stakeholders, and to apply these techniques and associated expertise to topics related to releases of radionuclides into the environment, nuclear fuel cycle and other research areas involving quantification of radionuclides at or above typical environmental levels.

ANSTO's support of the ASA is an important strategic project. This role will support this work through measurement and environmental monitoring capabilities with Nuclear Stewardship and elsewhere at ANSTO.

ACCOUNTABILITIES & RESPONSIBILITIES

Key Accountabilities

- Provide environmental monitoring and radioanalytical advice and service in support of radiological baseline assessments and associated work packages for future ASA sites on behalf of ANSTO
- Measure various environmental sample matrices using a range of chemical and radiological analysis techniques
- Report on analytical data within tight timeframes
- Develop and implement sound chain of custody and quality procedures
- Keep up to date with advancements in chemical and radiological analysis techniques
- Maintain professional networks and relationships (refer to key relationships table)
- Apply knowledge and technical expertise to capability extension projects to strengthen ANSTO's measurement and environmental monitoring capabilities
- Establish and maintain safe systems of work in accordance with ANSTO's and Defence's safety approvals and regulatory frameworks
- Contribute to a working environment and culture which promotes teamwork and knowledge sharing, is collaborative and user-focussed and achieves quality scientific results and outcomes
- Undertake additional duties as required and during periods of leave of other staff

Decision Making

- The ANSTO values, organisational corporate plan, integrated business planning, NSSS strategy, Nuclear Stewardship Business Plan and Contractual Agreements with the ASA provide the context for the position.
- The position works within a framework of legislation, policies, regulatory codes of practise, professional standards and resource parameters.
- The position has some independence for decision making on methods and approaches and is fully accountable for delivering outcomes within agreed timeframes and budgets.
- The position is fully accountable for the accuracy, integrity and quality of advice and services provided and is required to ensure that actions and decisions are based on sound evidence.
- Work priorities are established in consultation with the project team and are within the context of agreed work plans and schedules. The position holder will consult with line management on issues that have an impact on the program delivery.
- The levels of authority delegated to this position are those approved and issued by the Chief Executive Officer. All delegations will be in line with the ANSTO Delegation Manual AS-1682 (as amended or replaced).

Key Challenges

The major challenges for this position include:

- Maintaining and establishing productive relationships with external stakeholders to ensure reputational confidence in ANSTO;
- Maintaining and establishing internal relationships to secure access to required capabilities and infrastructure for project delivery;
- Develop and apply nuclear measurement, radioanalytical techniques and environmental monitoring knowledge; and
- Working to tight deadlines

KEY RELATIONSHIPS

Who	Purpose
Internal	
ANSTO NPS Working Group and Nuclear Stewardship	<ul style="list-style-type: none"> Report on progress consistent with agreed plans and objectives Monitor trends, performance and progress against the operational plans and communicate adjustments to work priorities which may be required to ensure delivery against plans.
Principal Scientist	<ul style="list-style-type: none"> Receive guidance on work priorities Provide evidence-based advice Recommend and gain endorsement for plans and other initiatives Report on progress consistent with agreed plans and objectives Monitor trends, performance and progress against the operational plans and communicate adjustments to work priorities which may be required to ensure delivery against plans.
Project team	<ul style="list-style-type: none"> Collaborate and share knowledge Encourage accountability Negotiate and resolve conflicts
External	
Australian Submarine Agency (ASA)	<ul style="list-style-type: none"> Maintain and establish constructive relationships Provide expert, authoritative and evidence-based advice and reporting
Regulatory bodies (ARPANSA, EPA)	<ul style="list-style-type: none"> Maintain and establish constructive relationships Provide expert and evidence-based advice

POSITION DIMENSIONS

Staff Data	
Reporting Line	Reports to the Radioanalytical Chemistry Capability Manager
Direct Reports	
Indirect Reports	Technician, Environmental Assessment

Financial Data (2023/2024)	
Revenue / Grants	Nil
Operating Budget	Nil
Staffing Budget	Nil
Capital Budget	Nil
Assets	Nil

Special / Physical Requirements	
Location:	Lucas Heights. Working in different areas of designated site/campus as needed
Travel:	May be required to travel nationally and internationally for fieldwork or meeting attendance.

Physical:	<p>Wearing personal protective equipment when working in noisy or dusty environments or when handling hazardous and/or radioactive materials.</p> <p>Laboratory work may require standing for long periods and operating equipment.</p> <p>Occasional field work including intensive physical requirements (sitting, standing, frequent manual handling tasks, lifting up to 20kg).</p> <p>Office-based physical requirements: sitting, standing, minimal manual handling, movement around office and site, extended hours working at computer.</p> <p>Public speaking.</p>
Radiation areas:	<p>May be required to work in radiation areas under tightly regulated conditions.</p> <p>Perform duties in an area where radioactive materials are handled under tightly controlled safety conditions.</p> <p>Perform duties with and in an area where hazardous chemicals or materials are handled under tightly controlled safety conditions.</p>
Hours:	<p>Willingness to work extended and varied hours based on operational requirements.</p> <p>After hours work may be required for short and infrequent periods.</p>
Clearance requirements:	<p>Satisfy ANSTO Security and Medical clearance requirements</p> <p>Required to obtain or maintain a minimum NV1 National Security Clearance</p>

Workplace Health & Safety

Specific role/s as specified in <u>AP-2362</u> of the ANSTO WHS Management System	<p>All Workers</p> <p>Officer (definitions found in appendix A of AP-2362)</p> <p>Other specialised roles identified within the guideline a position holder may be allocated to in the course of their duties</p>
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ORGANISATIONAL CHART

Refer to published Organisational Chart.

KNOWLEDGE, SKILLS AND EXPERIENCE

1. Degree or tertiary qualification with experience in chemical and/or radiological analysis techniques.
2. Demonstrated experience working in a wet chemistry laboratory adhering to safety, quality and regulatory compliance obligations.
3. Demonstrated experience with chemical and/or radiological measurement instrumentation.
4. Demonstrated experience in environmental field sampling and environmental monitoring techniques.
5. Proven ability to work within a team to achieve scientific and organisational outcomes including prioritising work and responding to changing priorities and deadlines.
6. Demonstrated knowledge of national and international regulatory systems.
7. Strong team and stakeholder focus with demonstrated ability to build collaborative relationships and networks.
8. Strong interpersonal and communication skills.

VERIFICATION

This section verifies that the line manager and appropriate senior manager/executive confirm that this is a true and accurate reflection of the position.

Line Manager	Delegated Authority
Name: Sangeeth Thiruvoth	Name: Jennifer Harrison
Title: Manager, Radioanalytical Chemistry	Title: Leader, Nuclear Stewardship
Signature:	Signature:
Date:	Date:

Appendix 1

ANSTO Job Families
Accounting & Finance
Administration
Communications & Marketing
Compliance & Regulation
Engineering and Technical
Human Resources
ICT & Digital Solutions
Information & Knowledge Management
Legal
Manufacturing
Monitoring & Audit
Operations
Organisational Leadership
Project & Program
Research
Science
Security & Intelligence
Senior Executive
Service Delivery
Strategic Policy
Trades & Labour