



POSITION DESCRIPTION

Position Title:	System Risk and Control Expert
Cluster / Business Unit / Division	Nuclear Operations, Safety and Security
Section or Unit:	Waste Management Services
Classification:	Band 6
Job Family:	Engineering & Technical
Position Description Number:	PD-2615
Work Contract Type:	Technical
STEMM/NON-STEMM:	STEMM
STEMM CATEGORY:	Engineering

POSITION PURPOSE

The System Risk and Control Expert is responsible for the delivery, management and quality of all aspects related to risk assessment activities that support Waste Management Services (WMS) operations. They will develop risk assessments and review assessments that have been prepared by internal and external parties and, be responsible for facilitating works such as hazard identification workshops that inform the risk assessments.

As a trusted subject matter expert, they will provide technically sound and authoritative advice on risk, hazard and control matters in relation to WMS activities to ensure that we safely undertake our work, support projects to meet their goals and promote a continuous improvement program in our operational endeavors to improve safety, efficiency and reliability in delivering the WMS activities. They will develop, lead, and optimize the WMS safety case strategy to meet ongoing compliance requirements, including on-time delivery at a high-quality standard that meets both internal and external requirements.

ORGANISATIONAL ENVIRONMENT

ANSTO is a leading global nuclear science and technology organisation delivering world class research and expertise to benefit Australia and support a more sustainable future. Using nuclear science, we improve health, support industries, provide expert advice to government on nuclear technologies and help develop Australia's nuclear workforce.

The Nuclear Operations, Safety and Security group brings together the key areas of Reactor Operations and the enabling functions of Safety, Security and Waste Management.

Waste Management is responsible for the safe, compliant and effective management of legacy, current and future predicted radioactive waste arising in line with ANSTO's strategic objectives, regulatory requirements and public expectations.

ACCOUNTABILITIES & RESPONSIBILITIES

- Lead WMS risk assessment activities including the influencing and educational uplift of all levels of WMS staff to promote a progressive culture that motivates top performance and high morale to deliver a high performing and hazard, risk and control focused team.
- Set the strategy for, and lead the development, implementation and continual improvement of the ongoing WMS Safety Case compliance program, in consideration of ANSTO's current and future activities, and aligned with regulatory and industry best practices.

- Deliver high quality risk assessment of continuous improvement activities, breakdown repair, emergency activities and, changes driven through WMS or other capital projects to ensure that all safety and operational impacts of the proposed changes are considered and implemented to time and budget.
- Provide expert advice and support across to ANSTO's major capital programmes, commercial activities and research endeavours to ensure their efficient delivery and safe, reliable operations to meet strategic goals
- Establish and improve oversight of the monitoring and assurance system for hazard controls.
- Ensure documentation meets high quality expectations to improve the speed and accuracy of risk assessment tasks that support project schedule delivery and outcomes.
- Provide strategic advice to management/executive and identify and manage risks for the delivery of capital and operational plans.
- Support the rapid return to service following incidents and operational breakdowns through appropriate advice and development of risk assessments.
- Contribute to and influence broader organisational planning to deliver a best for ANSTO approach.
- Be an informed client for external risk assessment works and establish and maintain collaborative relationships, negotiate effective outcomes, and communicate with a diverse range of stakeholders at various levels of scientific or technical understanding to ensure client needs are met.
- Analyse and collate technical data and prepare reports and submissions for management, stakeholders and regulators to ensure ANSTO provides accurate information regarding its waste activities in compliance with license requirements and to facilitate strategic decision making.
- Provide strategic input and analysis on radioactive waste issues to the General Manager, WMS and Executive/ANSTO Board more broadly as well as externally to regulators and other government departments and, participate in strategic projects across ANSTO.
- Manage stakeholder feedback, identify areas for improvement, implement appropriate change control processes, track actions and outcomes and challenge established ways of working in favour of more productive approaches.
- Undertake additional duties as required and during periods of leave of other staff.

Decision Making

- The position works within a framework of legislation, policies, professional standards and resource parameters. Within this framework the position has independence in determining how to achieve objectives including deciding on methods and approaches
- The ANSTO values, organisational corporate plan, business plan, operational excellence program, the WMS strategy and objectives provide the context for the position.
- The position is fully accountable for the accuracy, integrity and quality of the content of advice provided to stakeholders and is required to ensure that decisions are based on sound evidence, but at times may be required to make effective judgements under pressure or in the absence of complete information or expert advice.
- Determine key work priorities within the context of agreed work plans and consult with Management on complex, sensitive and major issues that have a significant impact on WMS.
- 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

- Influencing and negotiating across the organisation to ensure that WMS matters receive appropriate support.
- Maintaining and enhancing a broad understanding of many operational processes to ensure that works are accurately reflected in the safety case.
- Ensuring the successful implementation of strategic objectives and project completion whilst managing conflicting priorities, deadlines, and stakeholder requests.
- Continually reviewing and reorganising work plans and activities to manage conflicting priorities.
- Maintaining an up-to-date understanding of the regulatory framework applicable to processes within WMS to ensure regulatory requirements, codes and standards are appropriately addressed in the safety case
- Mentoring and developing the nuclear workforce for the future.
- Ability to keep well-informed of developments in the field, including the regulatory environment and undertaking appropriate personal development to enhance knowledge and skills
- Promote and support nuclear and radiological safety improvements and initiatives across the ANSTO site with the aim of improving nuclear and radiological safety culture.

KEY RELATIONSHIPS

Who	Purpose
Internal	
Manager/Executive	<ul style="list-style-type: none"> • Receive guidance and direction • Provide expert, authoritative and evidence-based advice • Negotiate and report on issues • Recommend and gain endorsement for plans, goals and other initiatives • Provide information on trends, performance and progress against the strategic plan and evaluate further support which may be required to ensure delivery against the plan
Engineering, Scientific and Enabling teams	<ul style="list-style-type: none"> • Provide leadership, guidance and support • Provide expert advice and analysis on a full range of matters • Contribute to group decision making processes, planning and goals • Collaborate and share accountability • Negotiate and resolve conflicts
WMS team	<ul style="list-style-type: none"> • Provide positive leadership, education, guidance and support • Contribute to group decision making processes, planning and goals • Collaborate and share accountability • Negotiate and resolve conflicts • Engage to monitor trends, performance and progress against the strategic plan and evaluate further support which may be required to ensure delivery against the plan
Assurance Risk and Compliance Group	<ul style="list-style-type: none"> • Coordinate and plan activities • Communicate issues and risks. • Optimise and improve processes
External	
ARPANSA	<ul style="list-style-type: none"> • Making changes to facilities or procedures and verifying compliance
Sydney Water	<ul style="list-style-type: none"> • Interactions with regulator for effluent
Federal Government	<ul style="list-style-type: none"> • Provide information on radioactive waste and support the process for a National Radioactive Waste Management Facility

Visitors / VIPs	<ul style="list-style-type: none"> • Provide information to the public in support of safe and effective radioactive waste management
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POSITION DIMENSIONS

Staff Data	
Reporting Line	Reports to the Business Operations Leader, Waste Management Services
Direct Reports	Nil
Indirect Reports	Nil

Financial Data (FY25)	
Revenue / Grants	N/A
Operating Budget	N/A
Staffing Budget	N/A
Capital Budget	N/A
Assets	N/A

Special / Physical Requirements	
Location:	Lucas Heights Working in different areas of designated site/campus as needed
Travel:	May be required travel to nationally and internationally from time to time
Physical:	Office based physical requirements (sitting, standing, minimal manual handling, movement around office and site, extended hours working at computer) Public speaking Wearing personal protective equipment when in areas that hazardous and/or radioactive materials and handled
Radiation areas:	Will be required to enter areas where radioactive materials or hazardous chemicals/materials are handled under tightly controlled safety conditions to observe tasks and support risk assessment development
Hours:	Generally flexible but willingness to work extended and varied hours based on operational requirements After hours work may be required for short and infrequent periods
Clearance requirements:	Satisfy ANSTO Security and Medical clearance requirements Obtain and maintain appropriate federal government clearance

Workplace Health & Safety	
Specific role/s as specified in AG-2362 of the ANSTO WHS Management System	All Workers Other specialised roles identified within the guideline a position holder may be allocated to in the course of their duties

KNOWLEDGE, SKILLS AND EXPERIENCE

1. Degree or higher in Radiation Protection, Work Health and Safety, Safety Engineering, Chemical or Process Engineering or similar related discipline.
2. Demonstrated experience in a variety of hazard identification and risk assessment techniques and deterministic and probabilistic safety analysis.
3. Demonstrated understanding of the application of critical controls and management of risk using ALARP.
4. Extensive technical knowledge of operating/production environments.
5. Extensive knowledge of the regulatory framework in which ANSTO operates.
6. Demonstrated experience identifying and implementing process improvements and innovative solutions to complex problems.
7. Advanced problem-solving skills and ability to assess and resolve issues quickly while under pressure.
8. Ability to learn and understand complex processes within a short timeframe and approach all aspects of the role with a learning mindset.
9. Ability to lead, develop and mentor staff to optimise safety outcomes and improve awareness of the risk profile within WMS.
10. Demonstrated negotiation skills to persuade and influence others on decisions on strategy, options and processes where there are conflicting drivers.
11. Proven ability to seek and promote continuous improvement and manage change.
12. Demonstrated superior written and verbal communication skills including technical writing.
13. Experience in managing key stakeholders at different levels within the organisation.
14. Ability to manage tight deadlines with no sacrifice to content and quality of work.
15. Knowledge of systems safety and reliability engineering and nuclear, radiological, and industrial safety.

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:	Rachael Shepherd	Name:	Paula Berghofer
Title:	Business Operations Leader, WMS	Title:	General Manager, WMS
Signature:		Signature:	
Date:		Date:	