



POSITION DESCRIPTION

Position Title:	SyMo Operator Maintainer
Cluster / Business Unit / Division	Nuclear Precinct / Waste Management Services
Section or Unit:	SyMo
Classification:	Band 4
Position Description Number:	PD-2167
Work Contract Type:	Technical

POSITION PURPOSE

The primary objective of the SyMo Operator Maintainer is to safely and efficiently operate plant during routine shift operations, under the supervision of the Shift Supervisor.

The SyMo Operator Maintainer holds an industrial trade qualification and can work independently or in small teams to execute complex planned and unplanned maintenance tasks.

SyMo Operator Maintainers are required to be subject matter experts in their field and leverage their extensive technical and process knowledge in support of achieving reliability and availability targets for the SyMo facility, and ensuring ongoing compliance with safety, regulatory and statutory requirements.

ORGANISATIONAL ENVIRONMENT

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 Precinct includes a number of facilities and operational areas including the OPAL Reactor, Nuclear Medicine with Health Products and ANSTO Nuclear Medicine (ANM), and Waste Operations incorporating SyMo.

The SyMo Facility is a First of a Kind facility that will apply ANSTO SYNROC technology to stabilise alkaline liquid waste arising from ANSTO's Mo-99 isotope production via conversion into a stable solidified waste form suitable for long term storage.

ACCOUNTABILITIES & RESPONSIBILITIES

Key Accountabilities

- Independently operate the First-Of-A-Kind SyMo plant and equipment safely to ensure production is running to schedule.
- Support Shift Supervisor to coordinate plant and equipment start-ups, operation, shutdowns, and resolve complex operational issues.
- Execute complex planned maintenance tasks relevant to discipline, diagnose faults, and supervise external specialist contractors doing these tasks
- Respond to unplanned maintenance, use expertise to develop and implement corrective actions to get the plant operational.
- Use expertise, extensive knowledge and experience to assess and provide feedback to management on plant performance and operations and maintenance processes to drive improvements in plant availability, reliability, safety and efficiency.
- Develop, complete and review operations and maintenance documentation (SAP work orders, records sheets, shift logs, SWMES, etc) and ensure they are prepared and updated in a timely manner and that the supervisor is kept informed of progress of work.
- Perform duties within a highly regulated environment using a suite of procedures, instructions, and standards, and conforming to ARPANSA, ISO and ASNO regulations and guidelines.

- Support the training of new staff. Coach, assist, and share technical knowledge with colleagues.
- Promote and foster an exceptional SyMo safety culture with the aim of continuous improvement to safety and its awareness across site.
- Work with people across the site (Waste Management, ANM, Facilities Maintenance, Procurement) to ensure the maintenance and operations of the SyMo Facility.
- Undertake validation and commissioning activities to ensure the SyMo facility, systems and equipment meets requirements.
- Meet all training requirements of the position.
- Undertake additional duties as required and during periods of leave of other staff.

Decision Making

- Has some degree of autonomy in respect to their day to day work priorities and, in this context is expected to make day-to-day decisions relating to work priorities and workload management, for themselves.
- Consults with management on decisions which will substantially alter the outcomes, timeframe or requirements of work plans, any issues or conflicts arising in the course of undertaking duties, and all matters which require a higher delegated authority for approval.
- 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

- Undertaking a new training package on a First of a Kind facility within tight timeframes.
- Troubleshooting and delivering quality maintenance from sometimes incomplete or disparate sources of information on a First of a Kind facility where there may be few precedents.
- Carry out work in a heavily regulated environment and ensure the required safety standards and ARPANSA requirements are met.
- Maintaining the plant given the requirement to comply at all times with OL&Cs, regulatory requirements, codes and standards.
- Prioritisation of personal day-to-day work schedule and activities to manage conflicting priorities, and meet stakeholder expectations.

KEY RELATIONSHIPS

The position's key relationships include:

Who	Purpose
Internal	
SyMo Operations Supervisor	<ul style="list-style-type: none"> • Advise on the effectiveness of operational controls • Report on process efficiency
Technical Supervisor	<ul style="list-style-type: none"> • Report on routine and outstanding maintenance requirements • Escalate issues and propose solutions
SyMo Engineers and Maintenance Planner	<ul style="list-style-type: none"> • Provide information and data to support maintenance strategies and process improvement initiatives • Provide updates on work schedule
Shift Supervisors	<ul style="list-style-type: none"> • Receive guidance and direction on daily operational tasks • Escalate issues and propose solutions

	<ul style="list-style-type: none"> • Report on process efficiency
Other Departments (eg AME, BOS, NSTLI)	<ul style="list-style-type: none"> • Supervise and assist other divisions when working within the SyMo Facility
Radiation Protection Services, ANM, Waste Management Services	<ul style="list-style-type: none"> • Advise on operational support requirements • Coordinate the interactions and movements of waste and waste forms between other facilities
ANSTO Stores	<ul style="list-style-type: none"> • Direct stores requirements including movement and storage levels
External	
Contractors	<ul style="list-style-type: none"> • Supervise contractor work to ensure delivery as per requirement
Industry regulator ARPANSA, ASNO	<ul style="list-style-type: none"> • Understand compliance with ARPANSA licences within areas of responsibility • Understand compliance with ASNO regulations within areas of responsibility

POSITION DIMENSIONS

Staff Data	
Reporting Line	SyMo Shift Supervisor
Direct Reports	0
Indirect Reports	0
Special / Physical Requirements	
Location:	Lucas Heights - Working in different areas of designated site/campus as needed
Travel:	May be required travel to other ANSTO sites from time to time.
Physical:	<p>Office based and control room physical requirements (sitting, standing, minimal manual handling, movement around office and site, extended hours working at computer or looking at screens).</p> <p>Labour intensive physical requirements (sitting, standing, frequent manual handling).</p> <p>Industrial facility physical requirements (lifting, standing for long periods, operating plant and equipment, incl. cranes & manipulators).</p> <p>Frequent movements (climbing, stooping, kneeling, crouching, crawling).</p> <p>Wearing personal protective equipment for the handling of hazardous and/or radioactive materials.</p> <p>Required to work at heights or in a confined space environment including wearing harnesses & respiratory equipment.</p>
Radiation areas:	<p>Required to work in radiation areas under tightly regulated conditions. 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:	This is dual position operator & maintainer role which requires 24/7 rotating shifts during ~6 week campaigns. Outside of campaigns when most complex maintenance tasks are performed work hours will return to normal M-F inside ANSTO works hours of 7.00am – 7.00pm.

	Successful applicants hired before ~2025 will participate in Operational Readiness activities working M-F inside ANSTO works hours of 7.00am – 7.00pm with some shift requirements outside of these hours coinciding with validation & commissioning activities.
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 <u>AG-2362</u> of the ANSTO WHS Management System	All Workers Officer (definitions found in appendix 1 of AG-2362) Group Executive / General Manager Managers / Leaders / Supervisors Other specialised roles identified within the guideline a position holder may be allocated to in the course of their duties

ORGANISATIONAL CHART

On file.

KNOWLEDGE, SKILLS AND EXPERIENCE

1. Industrial trade qualification (Electrical or Mechanical or Instrumentation & Controls or Electronics or Fitting & Machining).
2. Demonstrated competence and experience in industrial maintenance of process plants and equipment (e.g. chemical process plants, FMCG manufacturing, power generation).
3. Ability to operate plant and equipment from the field and in a computer based control room.
4. Experience working in a highly regulated work place with an understanding of safety standards and practices.
5. Proven ability to proactively identify operational shortfalls and lead collaborative efforts towards an effective solution.
6. Demonstrated ability to communicate effectively (verbal and written) and keep accurate records in a dynamic operational environment.
7. Ability work effectively both in a team or independently.
8. A strong commitment to organisational excellence and continuous improvement principles.

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: Maria Ramirez		Name: Paula Berghofer	
Title: SyMo Operations Supervisor		Title: General Manager, Waste Management Services	
Signature:		Signature:	
Date:		Date:	