



POSITION DESCRIPTION

Position Title:	Pilot Plant Technician
Cluster / Business Unit / Division	Commercial Products and Services
Section or Unit:	Minerals
Classification:	Band 3
Job Family:	Engineering and Technical
Position Description Number:	PD-1018
Work Contract Type:	Technical
STEMM/NON-STEMM:	STEMM
STEMM CATEGORY:	Technical

POSITION PURPOSE

The primary objective of the Pilot Plant Technician is to provide technical support for operations within the pilot plant facility.

ORGANISATIONAL ENVIRONMENT

ANSTO leverages great science to deliver big outcomes. We partner with scientists and engineers and apply 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.

The ANSTO Minerals business unit is a team of 60 consultants and technicians with expertise that covers chemical engineering, metallurgy, mineralogy, chemistry, geology, and radiation safety. ANSTO Minerals provides practical solutions and innovative technology in ways that deliver financial and environmental benefits to the mining and minerals processing industries. The Group also conducts research that seeks to identify, investigate and develop technologies that will lead to cleaner and more environmentally sustainable operations in the uranium, and other, mining sectors.

Minerals incorporates a Pilot Plant Group that undertakes pilot plant and related projects in order to support the commercialisation of new processes and process improvements.

ACCOUNTABILITIES & RESPONSIBILITIES

Key Accountabilities

- Conduct pilot plant operations and laboratory experiments.
- Assist with the installation, design, operation, repairs and maintenance of pilot plant and laboratory equipment to ensure compliance within specification.
- Take a proactive role in the maintenance and repair of pilot plant equipment and facilities, including maintaining good housekeeping; and in the management of samples and waste.
- Prepare chemicals for project work and contribute to the development of pilot plant procedures.
- Assist with the induction and training of new employees, contractors and visitors in safety and pilot plant processes and procedures.
- Supervise contractors and internal staff working in the pilot plant to ensure compliance with both safety and operational requirements.
- Fulfilling OHSE responsibilities as specified in AS 2362 of the ANSTO OHSE system.
- Undertake additional duties as required and during period of leave of other staff.

Decision Making

- The position has limited discretion in decision making without referring to a supervisor and generally involves application of established procedures and guidelines. Where pre-determined procedures are not effective, the position involves troubleshooting to generate improvements to procedures and approaches in consultation with other technicians and professionals.
- 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

- Carrying out multiple tasks to tight deadlines
- Adjusting plans to suit changing priorities
- Meeting needs of different managers and clients
- Troubleshooting complex systems
- Maintaining all plant and equipment and planning to meet with project requirements.

KEY RELATIONSHIPS

The Pilot Plant Technician reports directly to a Senior Process Engineer. The position's key customers are Project Managers within Minerals. Other stakeholders include Minerals staff, ANSTO maintenance staff and external contractors. The position is accountable for onsite contractor movements and assists with inductions.

Who	Purpose
Internal	
Manager	<ul style="list-style-type: none">• Receive guidance and direction• Provide technical and evidence based advice• Provide regular updates on key tasks, issues & priorities• Recommend and gain endorsement for plans and goals and other initiatives• Escalate issues and propose solutions
Work area team members	<ul style="list-style-type: none">• Support team members and work collaboratively to contribute to achieving outcomes• Contribute to group decision making processes, planning and goals• Collaborate and share accountability• Identify and escalate conflicts.
External	
Contractors and suppliers	<ul style="list-style-type: none">• Communicate with contractors and suppliers as required.

POSITION DIMENSIONS

Staff Data	
Reporting Line	Reports to a Senior Process Engineer
Direct Reports	Nil
Indirect Reports	Some less experienced year-in-industry students and technicians undertaking pilot plant work (including as an operational shift leader, at times).

Special / Physical Requirements

Location:	Lucas Heights Working in different areas of designated site/campus as needed May be required to work for short periods of time outside ANSTO, possibly on remote sites.
Travel:	May be required to travel to other ANSTO and/or remote sites from time to time
Physical:	Office based physical requirements (sitting, standing, manual handling, movement around office and site) Industrial facility physical requirements (lifting, standing for long periods, operating machinery, equipment) Labour intensive physical requirements (sitting, standing, occasional manual handling up to 10 kg) Frequent movements (climbing, stooping, kneeling, crouching, crawling) Working in a loud environment Wearing personal protective equipment for the handling of hazardous and/or radioactive materials
Radiation areas:	May be 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 Perform duties with and in an area where hazardous chemicals or materials are handled under tightly controlled safety conditions
Hours:	Willingness to work extended and varied hours based on operational requirements After hours work will be required for short and infrequent periods Occasional work at ANSTO on a shift roster will be required
Clearance requirements:	Satisfy ANSTO Security and Medical clearance requirements

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
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ORGANISATIONAL CHART

See attached

KNOWLEDGE, SKILLS AND EXPERIENCE

1. Operational experience working with chemicals, preferably in chemical or refinery processes.
2. Mechanical trade qualification or related hands on experience would be an advantage but is not essential.
3. Experience in the operation, maintenance and modification of industrial or pilot plant equipment.
4. Skills in Microsoft Office programs – Word, Excel, Outlook, Access.
5. Experience in data base operating systems for use in sample and equipment storage and recording.
6. Good written and oral communication skills.
7. Experience working in large teams and changing fast-paced environments.
8. Hold a current driving licence.

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: James Lowe	Name: Adrian Manis
Title: Senior Process Engineer	Title: Manager, Pilot Plant Operations
Signature:	Signature:
Date:	Date: