



POSITION DESCRIPTION

Position Title:	Plant Technician
Cluster / Business Unit / Division	Clayton Campus
Section or Unit:	Engineering – Facilities
Classification:	BAND 4
Position Description Number:	PD 2120
Work Contract Type:	Technical

POSITION PURPOSE

The Plant Technician is responsible for provide specialized skills and technical expertise relating to the fabrication, installation, commission and maintenance mechanical systems to support all aspects of the plant which is critical to the building and Synchrotron function.

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 Synchrotron Light Source Australia (SLSA) provides world-leading technical capability, and the nucleus around which new science and industry networks form as researchers interact. The synchrotron delivers better and faster experimental techniques that not only enhance current fundamental and applied research, but also open up new avenues of investigation to Australian science. The facility promotes international collaboration to enable leading-edge research and development, and is a hub for research that greatly benefits Australia and its regional neighbours.

The Engineering Group at the Synchrotron provides comprehensive engineering, technical, safety, reliability, design, build and maintenance services, delivering engineering solutions to the Beamline Science Group including supporting the delivery of major capital programs and engineering upgrades. The Engineering Group comprises of the Mechanical Engineering Team, Mechanical Technicians Team, Electrical Engineering Team and the Facilities Team including Plant maintenance.

ACCOUNTABILITIES & RESPONSIBILITIES

Key Accountabilities

- Plan, maintain and commission plant mechanical systems to ensure new and existing mechanical systems are operating at required conditions
- Plan and supervise maintenance works in accordance to operations schedule and site requirements
- Design and fabrication of mechanical equipment ensuring integration and operation of plant, supporting accelerator and beamlines
- Facilitate and plan the effective running of relevant facility projects so that deliverables meet the correct requirements, installation and timing of installations during shutdowns
- Manage technical documentation, writing and developing SOP's and JSA/SWMS's to ensure compliance with facility standards and to obtain permits to work
- Negotiate hire, source and manage sub-contractors as required.

- Identify requirements, source and procure materials, spares, tooling and specialized equipment to ensure continuous running of mechanical systems and service materials.
- Testing / factory acceptance of (mechanical) technical equipment to meet the needs and safety regulations, standards and requirements of the facility
- Liaise, collaborate and provide advice to other science & engineering groups with regard to mechanical systems and technical aspects for fabrication and servicing of equipment
- Care and maintain plant equipment, parts and tools to ensure its availability when required
- Provide OHS/WHS advice on mechanical systems and processes and adhere to them
- Undertake additional duties as required and during period of leave of other staff.

Decision Making

The role makes decisions related to:

- OHS/WHS procedures.
- Day to day technical jobs allocated within the area of responsibility
- Design and integration of parts.
- Sourcing, procurement of materials and components.
- Timeline coordination of jobs.
- Management of specialist projects / installations.
- Preparing Technical Documentation and interdepartmental liaising.
- 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

- Keeping abreast of recent developments in field, ensuring continual improvement and implementation of best practise
- Providing acceptable solutions to sometimes complex technical problems within an environment in which problems are affected by and impact on other systems.
- Supporting a wide array of equipment requiring a wide range of technical skills with limited or no local support
- Improving customer service, response times and delivery efficiencies while managing conflicting priorities and deadlines for different stakeholders including short lead times.

KEY RELATIONSHIPS

Who	Purpose
Internal	
Facility Plant Engineer	<ul style="list-style-type: none"> • To discuss priorities and requirements of jobs, PDPs etc
Engineering staff	<ul style="list-style-type: none"> • To discuss cross departmental requirements of jobs/projects and advise best practices
Scientific staff	<ul style="list-style-type: none"> • To discuss system requirements, advice on best practices and provide mechanical services
Facilities	<ul style="list-style-type: none"> • To discuss, plan and advise on the requirements for plant and support equipment

Other internal support departments	<ul style="list-style-type: none"> • For HR, safety and quality requirements
External	
Contractors	<ul style="list-style-type: none"> • To ensure the availability and scheduling of contracted works during regular maintenance periods
Suppliers	<ul style="list-style-type: none"> • To keep up to date with current technology of specialised equipment and for the procurement of parts, tooling and equipment
Universities and other scientific research facilities	<ul style="list-style-type: none"> • To facilitate continuous learning through the exchange of knowledge, processes and staff during critical periods

POSITION DIMENSIONS

Staff Data	
Reporting Line	Reports to the Facilities Manager
Direct Reports	Nil
Indirect Reports	Nil

Financial Data (2015/2016)	
Revenue / Grants	
Operating Budget	
Staffing Budget	
Capital Budget	
Assets	

Special / Physical Requirements	
Location:	Clayton Working in different areas of designated site/campus as needed
Travel:	May be asked to travel to ANSTO sites from time to time
Physical:	Office based physical requirements (sitting, standing, minimal manual handling, movement around office and site, extended hours working at computer) Labour intensive physical requirements (sitting, standing, frequent manual handling up to 20kg) Standing for long periods Frequent movements (climbing, stooping, kneeling, crouching, crawling) Working in a loud environment Industrial facility physical requirements (lifting, standing for long periods, operating machinery, equipment and manipulators)
Radiation areas:	May be required to work in radiation areas under tightly regulated conditions Perform duties with and in an area where hazardous chemicals or materials are handled under tightly controlled safety conditions
Hours:	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	
	All Workers

Specific role/s as specified in AG-2362 of the ANSTO WHS Management System

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

Ref published Organisation Chart.

KNOWLEDGE, SKILLS AND EXPERIENCE

A trade technical qualification, or equivalent practical experience in a specialised Mechanical Engineering field.

Essential


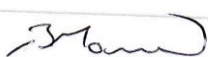
1. At least 8 years demonstrated practical experience
2. Experience with high reliability plant
3. Sound computers skills, including proficiency in MS Office products
4. Knowledge of 3D CAD modelling (or similar) & ability for production
5. Demonstrated understanding of technical documentation and the ability to write technical reports
6. Demonstrated ability to balance competing priorities and use initiative
7. Experience with supervision of other technical staff and contractors
8. Working independently or as part of a team
9. Good time management and communication skills
10. High attention to detail

Desirable

1. Dogman License
2. Forklift License
3. Experience with the installation and maintenance of Plant systems (i.e. pumps, chillers, cooling towers)
4. Experience with survey & alignment of equipment to micron accuracy
5. Risk assessment

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:	Michael Legg	Name:	Brad Mountford
Title:	Facility Manager	Title:	Senior Manager - Engineering
Signature:		Signature:	

Date: 13/05/2020

Date 20/08/2020