



Australian Government

Department of Climate Change, Energy, the Environment and Water
Australian Antarctic Division



AUSTRALIAN
ANTARCTIC
PROGRAM

Expeditioner Band 1.5 (APS 4) – Mechanical Services Balancing Technician

Classification	Expeditioner Band 1.5 (APS 4) - \$82,993 pa
Total Remuneration	\$150,947 pa (When in Antarctica/sub-Antarctic, inclusive of Antarctic Allowances)
Division	Australian Antarctic Division
Branch	Assets and Technology
Section	Construction Projects
Location	Kingston, Tasmania and Antarctic/sub-Antarctic deployment
Employment Status	Non-Ongoing (temporary)
Hours	Full-time (37.5 hours per week)
Security Clearance	Not Required

WHO WE ARE – Australian Antarctic Division (AAD)

The AAD is part of the Commonwealth Department of Climate Change, Energy, the Environment and Water (DCCEEW). As primary agency for Australia's Antarctic Program (AAP), the AAD is responsible for achieving the Australian Government's Antarctic goals to:

- maintain the Antarctic Treaty System and enhance Australia's influence within it
- protect the Antarctic environment
- understand the role of Antarctica in the global climate system
- undertake scientific work of practical, economic and national significance.

THE JOB

As the Mechanical Services Balancing Technician you will be responsible for the balancing of mechanical services air and water systems in all buildings on the Antarctic station. You will also assist other trades as required. Technicians can be employed in either a summer or winter position and shorter winter opportunities may also arise.

You should apply for this role if you have the appropriate knowledge, skills and experience and an interest in the challenge of living and working in a small community in a remote environment. Applicants will be assessed and if successful placed in a role for training and deployment, or a merit pool that will be used for future seasons.

Key duties will include, but are not limited to:

- Balance, fault find and maintain the following building services equipment/systems:
 - Reticulated primary and secondary heating hot water and associated pumping systems
 - Reticulated potable water and associated pumping systems
 - Supply, return and exhaust air systems including fans, motorised and manual dampers
 - Fume cupboards and
 - Temperature and pressure sensors and control valves
- Monitor and assist in fine tuning the building management control system
- Prepare periodic progress reports
- Prepare and submit end of year system commissioning reports
- Assist science programs where necessary
- If applicant has a trade certificate, there may be requirement to support other members in that area on station i.e. Applicant with a plumbing certificate will assist station plumbers.
- Winter plumbers are required to carry a mobile device and participate in an on-call roster responding to out-of-hours alarms and breakdowns.

WHAT WE ARE LOOKING FOR – ESSENTIAL

Required Identification/Qualification/Licence/Ticket	When you need to provide evidence	
	Provide copy with application	obtained prior to job commencement
Certificate of Accreditation from NEBB, TACA, AIRAH, ASHRAE or Equivalent	✓	
White Card (issued after May 2009), or the ability to attain prior to commencement		✓
Driver’s Licence – A current, unrestricted “C” class (manual) Australian driver’s licence.	✓	
Citizenship - In accordance with the PS Act 1999, APS employees are required to be Australian citizens. Persons who are not Australian citizens will generally only be considered where there are no suitable Australian applicants, with next considerations being Australian residents with work rights and New Zealand citizens.	✓	
Valid Passport - The expiry date of the passport (and any relevant visa) must be at least 6 months beyond the planned end date of your intended stay in the Antarctic or sub-Antarctic		✓
Provide First Aid (HLTAID011) must be valid for at least 18 months beyond the date of AAD commencement.		✓
Provide CPR (HLTAID009) must be valid for at least 6 months beyond the date of AAD commencement		✓

Knowledge and experience:

Recent hands-on experience (within the last 5 years):

- Balancing reticulated primary and secondary heating hot water and associated pumping systems
- Balancing supply and return air systems including fans and motorised and manual dampers
- Fume cupboard annual testing requirements
- Fault finding and calibration for temperature and pressure sensors
- Motorised HHW control valves and motorised air dampers
- Experience with building management system hardware and software including installation, fault finding, programming and tuning
- Using a Tour and Anderson computerised balancing instrument
- Using a Shortridge flow hood
- Preparing reports and commissioning information using word processing and spreadsheet software

WHAT WE ARE LOOKING FOR – DESIRABLE

These are not essential to the role, however, to be suitable you will need to have at least some of these. We encourage you to apply even if you do not fit all the requirements.

Qualifications/licences (provide copies in your application):

- A suitable trade certificate, technical certificate, apprenticeship or recognised equivalent in a field associated with mechanical services, additional courses and/or training in the industry.
- Statements of Attainment/licences (provide copies in your application):
 - Working Safely at Heights
 - Confined Space
 - Dogging
 - Rigging
 - Scaffolding
 - Forklift
 - Elevated Work Platform
 - Operation of Crane
 - Telescopic Materials Handler
 - Dozer
 - Loader
 - Excavator
 - Skid Steer Loader
 - Skidder

ELIGIBILITY AND OTHER REQUIREMENTS

Personal Qualities:

During the recruitment selection process, the AAD assesses individual personal qualities required to successfully live and work in an isolated Antarctic/sub-Antarctic community. Successful candidates need to demonstrate the personal qualities detailed [here](#).

Pre-employment check:

Your suitability for employment will be assessed through pre-employment screening including National Police Check, referee checks, pre-employment medical assessment, specified mandatory qualification(s) validation and completion of required probation period.

Work Health and Safety Obligations:

All employees have a duty to take reasonable care of their own health and safety while at work, to ensure their acts or omissions do not adversely affect the health and safety of other persons in line with any reasonable instruction given to comply with the Work Health and Safety legislation.

RecruitAbility:

Under the [APS \(Australian Public Service\) RecruitAbility scheme](#) you will be invited to participate in further assessment for the vacancy if you choose to apply under the scheme; declare you have a disability; AND meet the minimum requirements for the position.

HOW TO APPLY

Information about how to apply can be found [here](#), including further information about AAD jobs.