



Australian Government

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



AUSTRALIAN
ANTARCTIC
PROGRAM

Expeditioner Band 1.5 (APS 4) – Plumber

Classification	Expeditioner Band 1.5 (APS 4) - \$89,076 pa
Total Remuneration	\$162,012 pa (When in Antarctica/sub-Antarctic, inclusive of Antarctic Allowances)
Division	Australian Antarctic Division
Branch	Assets and Technology
Section	Infrastructure Maintenance and Operations/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 a Plumber (PLUM) you will maintain, install and operate building services equipment and systems. This includes all internal/external reticulated pipe work.

Plumbers work in either summer or winter jobs or both; shorter winters may also be an option. Plumbers work at all three Antarctic stations as well as at Macquarie Island.

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:

- Maintain, install and operate the following building services equipment/systems:
 - Reticulated heating hot water and associated pumping systems;
 - Reticulated potable water and associated pumping systems;
 - Reticulated fire services water and associated pumping systems;

- Air handling plant, including ventilation and exhaust systems;
- Sewerage treatment plant and associated pumping equipment;
- High temperature incineration plant;
- Fuel systems repair and maintenance;
- Kitchen equipment and all LPG installations, including field huts;
- Water production plant, including melt bell or reverse osmosis management; and
- Medical gases and sterilization equipment.
- Prepare and submit monthly and annual reports.
- Collaborate and report to station Trade Supervisor and Kingston Infrastructure team.
- Operate a computerised maintenance management system.
- Maintain the plumbing stock inventory, and coordinate the annual reorder of spare parts, materials and equipment.
- Assist science programs where necessary.
- 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
Trade Certificate/Apprenticeship – In Plumbing or Mechanical Services with current registration/licencing to conduct work in Australia	✓	
White Card (issued after May 2009), or the ability to attain prior to commencement		✓
Driver’s licence – 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 basic emergency life support (HLTAID010) 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:

- A minimum of 3 years post trade experience in industry

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 have all the desirable requirements.

Knowledge and experience:

- Maintenance of Pumps and Pump systems (centrifugal pumps, submersible pumps, positive displacement pumps);
- Knowledge in the operation and maintenance of air handling plant;
- Knowledge in the use and operation of pressure and temperature controls (heating hot water and ventilation systems);
- LPG systems and maintenance of commercial kitchen equipment;
- Maintenance and installation of fire sprinkler systems;
- Experience in operation and maintaining sewage treatment plants Rotating Biological Contactor or Membrane Bioreactor;
- Maintaining medical gas systems;
- Corrosion treatment of heated water systems;
- Installation and maintenance of heating hot water systems; including but not limited to panel radiators, heat exchangers, air water coils, 3-way motorised valves;
- Experience working on packaged oil-fired boiler systems;
- Thermostatic mixing valve certification - Commission and maintain hot and heated water temperature control devices;
- Backflow prevention device certification - Commission and maintain backflow prevention devices or equivalent;
- Current Australian gas-fitting certification/license incorporating type A LPG appliances;
- Operating and maintaining a potable water production plant (reverse osmosis);
- Sheet metal fabrication;
- HDPE welding;
- Operation of a computerised maintenance management system;
- Technical reporting/writing reports.

Additional

Should your application be successful, it is useful to have some understanding of any additional licences/accreditation you have, such as;

- Confined space
- Remove non-friable asbestos
- Supervise asbestos removal
- Dogging
- Rigging
- Scaffolding
- Forklift
- Elevated work platform
- Operation of a crane
- Telescopic materials handler

- Dozer
- Loader
- Excavator
- Skid steer loader (Bobcat)
- 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.

HOW TO APPLY

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