



**Australian Government**

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

## Expeditioner Band 1.5 (APS 4) – Plumber

<b>Classification</b>	Expeditioner Band 1.5 (APS 4) - \$79,801 pa
<b>Total Remuneration</b>	\$145,142 pa (when in Antarctica/sub-Antarctic, inclusive of Antarctic Allowances)
<b>Division</b>	Australian Antarctic Division
<b>Branch</b>	Assets and Technology
<b>Section</b>	Infrastructure Maintenance and Operations/Construction Projects
<b>Location</b>	Based in Kingston, Tasmania. Antarctic and sub-Antarctic
<b>Employment Status</b>	Non-Ongoing (temporary)
<b>Hours</b>	Full Time
<b>Security Clearance</b>	Not Required

### Commitment to Inclusion

AAD values diversity, in backgrounds and experience. We acknowledge the challenges associated with the work that we do and are committed to developing an inclusive culture for all people. We welcome everyone to apply, especially those individuals who are underrepresented in the industry: women and gender diverse people, LGBTQIA+ folks, culturally and linguistically diverse people and Aboriginal and/or Torres Strait Islander peoples.

### Overview

As a Plumber 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; shorter winters may also be an option. Plumbers work at all three Antarctic stations as well as at Macquarie Island.

### The Job

As a Plumber you will be required to undertake some or all the following:

- 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 generated by critical plant and equipment.
- The AAD is committed to providing a safe place of work, safe systems of work and a culture in which care for one another's safety and wellbeing is central to the way we do things. Having stated this, you are going to an extreme workplace. The consequences of you failing to understand your responsibilities can be catastrophic. It is therefore incumbent on all expeditioners to understand and implement the AADs Work Health Safety Commitment Statement and the AAD Safety Behaviours Framework.

As a proactive and positive member of the community you will:

- Maintain a personal and practical commitment to AAD policies and standard operating procedures (including work, health and safety and environmental policies). Training and guidance in regard to all responsibilities relevant to your position will be provided.
- Be rostered to perform duties to support the community life of the expedition, such as general kitchen duties, garbage clearance, general cleaning duties, and assisting other expedition members with official programs, to ensure an equitable contribution.
- Work in areas outside of your primary role, for example, providing assistance to other areas or science projects, or participating in general labouring tasks such as clearing snow or handling cargo.

## **What we are looking for**

### **Essential**

You can only be selected for this role if you have these essential skills and licences.

### **Qualifications/licences** (provide copies in your application):

- A suitable trade certificate/apprenticeship in Plumbing or Mechanical Services with current registration to conduct work within Australia
- 3 years post trade experience in industry, as a minimum
- A White Card (issued after May 2009), or the ability to attain prior to commencement
- A current, unrestricted "C" class (manual) Australian driver's licence
- Valid passport when travelling to the Antarctic or sub-antarctic. 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.
- A current statement of attainment in the following units of first aid, or the ability to attain prior to commencement:
  - Provide First Aid (HLTAID0011) 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.

### **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.

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

- 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, 3-2 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 (CPCPWT4023A or CPCPWT4023);
- Backflow prevention device certification - CPCPWT4022A - Commission and maintain backflow prevention devices or equivalent;
- Current Australian gas-fitting certification/-license-incorporating LPG appliances;
- Operating and maintaining a potable water production plant (reverse osmosis);
- Metal fabrication/electric welding/sheet metal work;
- 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

**Personal Qualities** - The Australian Antarctic Division assesses the personal qualities required to successfully live and work in an isolated Antarctic or sub Antarctic community. Successful candidates need to demonstrate the personal qualities criteria detailed [here](#). This will be assessed during the selection process.

## **Eligibility and other requirements**

**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

**Security Clearance** - This position does not require a security clearance.

**Pre-employment Check** - Your suitability for employment will be assessed through a pre-employment screening process. This process includes a requirement to undergo and satisfy a National Police Check, referee checks, character clearance and a pre-employment medical and psychological adaptability assessment, specified mandatory qualification(s) validation and a probation period.

If required, this may include comprehensive drug screening for compliance to undertake Safety Sensitive Aviation Activities (SSAA).

### **Requirement to be vaccinated under public health orders**

It may be a condition of your employment that:

1. if you are required to be vaccinated against COVID-19 under an applicable Australian law; or
2. if the department is unable under an applicable Australian law to permit you to attend for work (ie outside of your usual place of residence) unless you are vaccinated against COVID-19,

You must be up to date with your COVID-19 vaccinations, and you must also comply with all recommendations from public health authorities regarding any additional vaccinations that ensure the effectiveness of the COVID-19 vaccine that you have received.

## **How to Apply**

***The [Application Process](#) and the [Life as an Expeditioner](#) pages contain critical information about living and working in Antarctica, and must be read in conjunction with this job description prior to applying.***

Apply for this role by submitting your application through our [Jobs in Antarctica](#) website. If you have any questions regarding this role, email the contact officer.

Your email is our primary method of contacting you; please make sure that the email and phone number you provide us is correct, current and accessible. **We recommend applicants to not use their work email on their application for accessibility.**

## **Work Health and Safety Obligations**

All workers (APS1-Secretary) have a duty to take reasonable care for their own health and safety whilst at work, to ensure their acts or omissions do not adversely affect the health and safety of

other persons and to comply with any reasonable instruction given to comply with the Work Health and Safety legislation.

All supervisors and managers (APS5-EL1) play a significant role by modelling safe work behaviours and clearly setting the standard for acceptable behaviour in the workplace. Supervisors and managers play a critical role in supporting 'Officers' to exercise due diligence and in consulting with duty holders.

An Officer (EL2-Secretary) makes and participates in making decisions that affect the whole or a substantial part of the department. Employees at the SES Band 2 and above classification are considered to be Officers under the Work Health and Safety Act 2011 (Cth) with all EL 2 and above required to complete officer due diligence training. Officers have a duty to be proactive and continuously ensure that the department complies with relevant duties and obligations.

**Contact**

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