



Australian Government

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



AUSTRALIAN
ANTARCTIC
PROGRAM

Expeditioner Band 1.5 (APS 4) – Mechanic

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	Mechanical and Mobile Plant
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 Mechanic you will maintain and operate a range of mechanical plant and equipment. You will also maintain and operate the station power generation facilities (mechanical side). You will support station and field operations as required.

Mechanics work in either summer or winter jobs. Shorter winter opportunities may also arise. Mechanics are only employed at Casey, Davis and Mawson stations. If staying on station as part of the wintering crew you are required to participate in an on-call roster, to respond to out of hours issues – mainly related to the station powerhouse.

A Wilkins Aerodrome Diesel Mechanic will be selected from suitable Mechanic and/or Station Mechanical Supervisor applicants. Overland Traverse Mechanics will be selected from suitable Mechanic applicants.

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:

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

- Operate and maintain (mechanical component) station power generation facilities
- Maintain a wide range of mechanical plant and equipment including portable generators/pumps, 4x4 and specialised over snow vehicles, earth moving machinery, trailers etc.
- Operate plant and equipment as required (loaders, forklifts, tractors etc)
- Provide mechanical support to various user groups as required
- Maintain fuel, lubricant and gas cylinder storage, spare parts and material storage
- Support station operations and field operations and assist science programs as required

The Mechanic reports directly to the Station Mechanical Supervisor.

Wilkins Aerodrome Diesel Mechanic

- In addition to mechanical duties above, the incumbent will be required to undertake other duties relating to Aviation Ground Support including but not limited to baggage handling, emergency response, passenger liaison and transfer and cargo unloading/loading. These additional roles require interface with jet aircraft and all required training for this will be delivered prior to deployment.
- The Wilkins Aerodrome Diesel Mechanic also contributes to daily camp duties which may include (but are not limited to) fresh water replenishment, grey water disposal, cleaning of ablutions, kitchen and other areas, as well as assistance to the Aerodrome Chef at Wilkins with food preparation and stock replenishment.
- The Aerodrome Mechanic reports directly to the Wilkins Aerodrome Manager during the summer period, with technical support in Antarctica given by the Senior Mechanical Supervisor (SMS) at Casey Station.

Overland Traverse Mechanics

- Traverse Mechanics provides mechanical support to a fleet of tractors towing sleds transporting infrastructure, cargo and fuel on an overland traverse route prepared by snow groomers.
- Traverse mechanics will be required to undertake field mechanical repairs as well as other duties relating to the traverse including but not limited to traverse trains, daily traverse start up and shut down procedures, emergency response, transfer and cargo unloading/loading and supporting the establishment of the mobile inland station. The traverse mechanic will also contribute to daily traverse activities including (but not limited to) cleaning and food preparation.
- Traverse Mechanics reports directly to the Traverse Leader while on traverse, with technical support in Antarctica provided by the Station Mechanical Supervisor (SMS) at Casey station.

WHAT WE ARE LOOKING FOR - ESSENTIAL

Required Identification/Qualification/License/Ticket	When you need to provide evidence	
	Provide copy with application	obtained prior to job commencement
Suitable Mechanical Trade - Certificate III MEM or AUR qualification or recognised equivalent such as motor mechanic, diesel mechanic, plant mechanic, fitter and turner, or auto electrician.	✓	
Forklift (High Risk) Licence	✓	
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):

- Diesel engine maintenance, diagnostics, repair, and overhaul (such as Caterpillar, Cummins, electronic and non-electronic).
- Maintenance and repair of heavy plant, including tracked, wheeled and stationary equipment (such as Cat loaders, tractors and excavators, Grove cranes, Komatsu crushers).

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 100% of the requirements.

Knowledge and experience:

- Dogging (DG) licence. (provide copies in your application):
- Recent hands-on experience (within the last 5 years):
- Petrol engine maintenance, repair and overhaul.

- Maintenance and repair of medium vehicles and plant, including over-snow vehicles, trucks and forklifts.
- Maintenance and repair of light vehicles, including Toyota 4x4 vehicles and Honda all-terrain vehicles.
- Maintenance and repair of small plant, including pumps, generator sets, heaters, ice drills and outboard motors.
- Servicing and maintenance of single and three phase power generation equipment.
- Hydraulic systems.
- Automotive electrics.
- Workshop practices, including an understanding of current work health and safety policies.
- Maintenance of stock inventories including stocktaking, reordering spares and consumables.
- Fitting and machining
- Welding and metal fabrication
- Preparation of monthly and annual reports

Additional:

Should your application be successful, it is useful to have some understanding of any additional licences you have.

- Current Heavy Rigid (HR) driver's licence valid in Australia
- Confined space
- Dozer
- Elevated Work Platform
- Excavator
- Loader
- Operation of a crane
- Rigging
- Skidder
- Skid steer loader (Bobcat)
- Telescopic materials handler
- Working Safely at Heights

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.



Australian Government

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



AUSTRALIAN
ANTARCTIC
PROGRAM

Expeditioner Band 2.3 (APS 5) – Senior Mechanic

Classification	Expeditioner Band 2.3 (APS 5) - \$89,311 pa
Total Remuneration	\$157,265 pa (When in Antarctica/sub Antarctic, inclusive of Antarctic Allowances)
Division	Australian Antarctic Division
Branch	Assets and Technology
Section	Mechanical and Mobile Plant
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 Mechanic you will maintain and operate a range of mechanical plant and equipment. You will also maintain and operate the station power generation facilities (mechanical side). You will support station and field operations as required.

Mechanics work in either summer or winter jobs. Shorter winter opportunities may also arise. Mechanics are only employed at Casey, Davis and Mawson stations. If staying on station as part of the wintering crew you are required to participate in an on-call roster, to respond to out of hours issues – mainly related to the station powerhouse.

A Senior Mechanic (Macquarie Island) and a Wilkins Aerodrome Diesel Mechanic will be selected from suitable Mechanic and/or Station Mechanical Supervisor applicants. Overland Traverse Mechanics will be selected from suitable Mechanic applicants.

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:

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

- Operate and maintain (mechanical component) station power generation facilities
- Maintain a wide range of mechanical plant and equipment including portable generators/pumps, 4x4 and specialised over snow vehicles, earth moving machinery, trailers etc.
- Operate plant and equipment as required (loaders, forklifts, tractors etc)
- Provide mechanical support to various user groups as required
- Maintain fuel, lubricant and gas cylinder storage, spare parts and material storage
- Support station operations and field operations and assist science programs as required

The Mechanic reports directly to the Station Mechanical Supervisor.

Senior Mechanic (Macquarie Island)

- The Senior Mechanic is the only mechanic at Macquarie Island and in addition to the mechanical duties above, is required to undertake some of the duties undertaken by the Station Mechanical Supervisor at other stations.
- The Senior Mechanic reports directly to the Station Leader during the summer period.

Wilkins Aerodrome Diesel Mechanic

- In addition to mechanical duties above, the incumbent will be required to undertake other duties relating to Aviation Ground Support including but not limited to baggage handling, emergency response, passenger liaison and transfer and cargo unloading/loading. These additional roles require interface with jet aircraft and all required training for this will be delivered prior to deployment.
- The Wilkins Aerodrome Diesel Mechanic also contributes to daily camp duties which may include (but are not limited to) freshwater replenishment, grey water disposal, cleaning of ablutions, kitchen and other areas, as well as assistance to the Aerodrome Chef at Wilkins with food preparation and stock replenishment.
- The Aerodrome Mechanic reports directly to the Wilkins Aerodrome Manager during the summer period, with technical support in Antarctica given by the Senior Mechanical Supervisor (SMS) at Casey Station.

Overland Traverse Mechanics

- Traverse Mechanics provides mechanical support to a fleet of tractors towing sleds transporting infrastructure, cargo and fuel on an overland traverse route prepared by snow groomers.
- Traverse mechanics will be required to undertake field mechanical repairs as well as other duties relating to the traverse including but not limited to traverse trains, daily traverse start up and shut down procedures, emergency response, transfer and cargo unloading/loading and supporting the establishment of the mobile inland station. The traverse mechanic will

also contribute to daily traverse activities including (but not limited to) cleaning and food preparation.

- Traverse Mechanics reports directly to the Traverse Leader while on traverse, with technical support in Antarctica provided by the Station Mechanical Supervisor (SMS) at Casey station.

WHAT WE ARE LOOKING FOR - ESSENTIAL

Required Identification/Qualification/License/Ticket	When you need to provide evidence	
	Provide copy with application	obtained prior to job commencement
Suitable Mechanical Trade - Certificate III MEM or AUR qualification or recognised equivalent such as motor mechanic, diesel mechanic, plant mechanic, fitter and turner, or auto electrician.	✓	
Forklift (High Risk) Licence	✓	
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.		✓
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Knowledge and experience:

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

- Diesel engine maintenance, diagnostics, repair, and overhaul (such as Caterpillar, Cummins, electronic and non-electronic).
- Maintenance and repair of heavy plant, including tracked, wheeled and stationary equipment (such as Cat loaders, tractors and excavators, Grove cranes, Komatsu crushers).

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

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- Preparation of monthly and annual reports

Additional:

Should your application be successful, it is useful to have some understanding of any additional licences you have.

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- Confined space
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