



## Role Description

|                         |   |                            |              |
|-------------------------|---|----------------------------|--------------|
| <b>Title</b>            | Project Plumber   | <b>Incumbent</b>           |              |
| <b>Manager's Title</b>  | Scott Base Site Foreman/Engineering Supervisor  | <b>Date of Last Review</b> | 20 July 2022 |
| <b>Team</b>             | Engineering   | <b>Location</b>            | Scott Base   |
| <b>Work Environment</b> | This role will require the incumbent to travel to Antarctica for an extended period which requires a medical clearance. |                            |              |

### Organisational Context

Antarctica New Zealand is a Crown Entity established on 1 July 1996 under the New Zealand Antarctic Institute Act to develop, manage and execute New Zealand's activities in respect of Antarctica and the Southern Ocean.

Our key activities include facilitating scientific research in Antarctica, protection of the environment and raising public awareness of the global significance of the continent and surrounding Southern Ocean.

Antarctica New Zealand operates in a hazardous environment. The management of safety and risk are critical to achieving the New Zealand Antarctic programme objectives. The highest standards of environmental care and responsibility are required in all tasks.

### Our Goal for New Zealanders

Inspiring people to connect with Antarctica through knowledge and collaboration.

### Role Purpose

To undertake project work associated with the water and wastewater production, storage and reticulation systems at Scott Base while ensuring compliance with New Zealand standards and regulations.

### Work of Role

- Undertake external work during the summer months, including but not limited to:
  - Installation of base pipe work to support the relocation of the base fire pump and water storage tanks
  - RO plant installation and commissioning
  - Stock relocation and inventory
  - Supporting the wider project team and contractors with enabling/project works
- Undertake internal plumbing work during the winter months associated with the refit of an area of Scott Base, including but not limited to:
  - The internal conversion of an existing office area into an accommodation block.
  - The installation of additional showers and toilet facilities into existing ablutions blocks.
- Support the Scott Base engineering team with work as required, including the routine and non-routine maintenance of Scott Base buildings, plant and equipment.



- Observe all necessary hygiene procedures when working with wastewater treatment or wastewater reticulation equipment.
- Protect the potable water supply from contamination by using correct hygiene and disinfection processes, regularly inspecting water production assets and participating in risk identification and mitigation tasks.
- Aid other engineering team members as required, including but not limited to completing the Water Engineer's daily rounds.
- Fulfil accountabilities as documented in the Health, Safety and Environmental Management Systems including proactive management of risks and resources to prevent harm.
- Maintain a clean and safe work environment and ensure storage areas are kept organised.
- Use Smart Asset and Discovery (our document management system) to create and maintain accurate and complete electronic records of all work activities including updating drawings.
- Maintain the correct waste streams including the appropriate sorting of demolition waste as required.
- Identify opportunities for process or system improvement and communicate these to the appropriate supervisor.
- Proactively contributes to the overall base community.
- Rostered duties on the Scott Base Fire Crew and other base tasks as required.
- Any other tasks assigned by the Scott Base Site Foreman or Engineering Supervisor.

### Key Challenges

- Operating in a small project team with limited supervision and being able to prioritise, divide and complete work utilising individual strengths.
- Continually maintaining hygiene standards around water production and waste water treatment to ensure personal safety and the safety of the community.
- Working in challenging climatic conditions while continually considering environmental impacts.
- Ability to maintain a positive outlook while under pressure and responding to rapidly changing priorities.
- Maintaining motivation and work quality 6 days a week for up to 11 months.
- Resilience to living in a small communal environment (e.g. shared rooms, communal bathrooms etc).
- The location and role may place pressure on the physical and mental well-being of the incumbent (e.g. at times long work hours, 24-hour daylight/darkness); the incumbent's family and other close relationships.

### Key Functional Relationships

|                 |  |
|-----------------|--|
| <b>Internal</b> | <ul style="list-style-type: none"> <li>• Scott Base Site Foreman</li> <li>• Scott Base Water Engineer</li> <li>• Engineering Supervisor</li> <li>• Scott Base Leadership Team</li> <li>• SBR Supervisor / Technical Support</li> <li>• Asset Management Engineers</li> </ul> |
| <b>External</b> | <ul style="list-style-type: none"> <li>• External Contractors</li> </ul>   |



## Minimum Capability Necessary to Work to Role

| Capability Area                                     | Description   |
|---|---|
| <b>Qualifications, Certificates and Memberships</b> | <ul style="list-style-type: none"><li>• Hold a current First Aid qualification (Unit Standard 6401, 6402).</li><li>• Hold a current confined space and gas detection qualification (Unit Standards 17599, 18426).</li><li>• Hold a current Full New Zealand Driver's Licence (Class 1) and be experienced in operation of vehicles with manual gearbox.</li><li>• Be certified as 'medically fit' by Antarctica New Zealand's Medical Assessor.</li></ul> <p>Preferable</p> <ul style="list-style-type: none"><li>• Registration with the NZ Plumbers, Gasfitters and Drainlayers Board (NZPGD) as a Tradesman Plumber or Certifying Plumber.</li><li>• Hold a current NZ Practising Licence from the NZPGD.</li><li>• Hold a current Working at Heights qualification (Unit Standards 17600, 15757, 23229)</li></ul> |
| <b>Knowledge, Skills and Experience</b>             | <ul style="list-style-type: none"><li>• At least 5 years post-qualification experience</li><li>• Proficiency in computer use, particularly for record keeping.</li><li>• Experience with domestic/industrial/commercial plumbing systems.</li><li>• Working knowledge of the AS/NZS3500 series and the New Zealand Building Code.</li><li>• Understanding of and commitment to learning about tikanga and Treaty of Waitangi principles.</li></ul>  |
| <b>Judgement, Temperament and Influence</b>         | <ul style="list-style-type: none"><li>• Demonstrates the personal qualities required to fit in socially and professionally with a diverse range of people.</li><li>• Able to work without direct supervision.</li><li>• Able to positively accept/provide feedback</li><li>• Excellent communication skills</li></ul>   |



## Antarctica New Zealand Values

To honour our obligation to Antarctica:

- We are passionate about what we do
- We care for each other and the environment
- We work together
- We act with integrity
- We aspire to the highest standards

## Role Authorisations

I confirm that this Role Description accurately describes the work of the Project Plumber:

\_\_\_\_\_  
GM Antarctic Operations

\_\_\_\_\_  
Date

I accept this Role Description accurately describes the work of the role for which I am accountable:

\_\_\_\_\_  
Project Plumber

\_\_\_\_\_  
Date

*File Name: 2022 Project Plumber RD.docx*