

# Apparatus Licence

Issued by Delegate of the Australian Communications and Media Authority



## Licensee details

Customer ID	20039794
Licensee	SUEZ WATER PTY LTD
Licensee address	Level 3 3 Rider Boulevard, RHODES, NSW 2138

## Licence details

Licence service	Fixed
Licence subservice	Point to Multipoint - Land Mobile Spec
Licence number	11203542/1
Date of issue	04/03/2021
Date of effect	01/03/2021
Date of expiry	28/02/2022

## Licence conditions

Your licence is subject to conditions set out in the *Radiocommunications Act 1992*. Your licence may also be subject to such other licence conditions as determined by the ACMA (in licence condition determinations) from time to time, and is also subject to special conditions as detailed on this licence.

The conditions that are imposed on a licence vary according to the type of licence issued, the service being operated and the section of the *Radiocommunications Act 1992* under which the licence has been issued. For further information about the conditions that apply to your licence, please contact the ACMA (see contact details below).

### **Rights of appeal**

A decision by the ACMA to impose further conditions or revoke or vary the conditions of your licence may be reviewable. If you are affected by, and dissatisfied with, such a decision you may apply to the ACMA to have the ACMA reconsider the decision under section 288 of the *Radiocommunications Act 1992*.

An application for reconsideration must state the reasons for the request, and should be sent to the Customer Service Centre, Australian Communications and Media Authority, PO Box 78, Belconnen, ACT, 2616. Applications for review of decisions can be made using the R051 - Application for review of Decision form, available on the ACMA website.

### **Important**

An application for the ACMA to reconsider a decision to impose or vary licence conditions must be made to the ACMA within 28 days of the day on which you are informed of the decision. An application for reconsideration made after that time may not be accepted.

## ACMA contact details

Customer Service Centre  
PO Box 78  
BELCONNEN ACT 2616

Telephone: 1300 850 115  
Email: [info@acma.gov.au](mailto:info@acma.gov.au)

ACMA website: [www.acma.gov.au](http://www.acma.gov.au)

## **Special Conditions applying to licence no.: 11203542/1**

This service does not conform with the relevant Band Plan. It is authorised to operate on the condition that it does not inhibit the operation of any Radiocommunications service and may be required to cease operation in order to accommodate the operation of other Radiocommunications services.

No interference shall be caused to any Radiocommunication station or service and no protection from interference by such stations or services shall be afforded.

## **Advisory Notes applying to licence no.: 11203542/1**

Conditions applicable to the operation of point to multipoint station(s) authorised under this licence can be found in the Radiocommunications Licence Conditions (Apparatus Licence) Determination and the Radiocommunications Licence Conditions (Fixed Licence) Determination, the 'fixed licence lcd'. Copies of these determinations are available from the ACMA and from the ACMA home page ([www.acma.gov.au](http://www.acma.gov.au)).

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 1:

Site details	
Site ID	10023111
Site address	GVW - Barmah Standpipe Concentrator Site, Barmah-Shepparton Rd, Barmah VIC
Co-ordinates (GDA94)	Latitude: -36.017506 Longitude: 144.9612

Transmitter details	
Assigned frequency	169.406250 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111211
Transmitter power	250 mW
EIRP	500 mW
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

Receiver details	
Assigned frequency	169.406250 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111212
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 2:

Site details	
Site ID	10023111
Site address	GVW - Barmah Standpipe Concentrator Site, Barmah-Shepparton Rd, Barmah VIC
Co-ordinates (GDA94)	Latitude: -36.017506 Longitude: 144.9612

Transmitter details	
Assigned frequency	169.418750 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111213
Transmitter power	250 mW
EIRP	500 mW
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

Receiver details	
Assigned frequency	169.418750 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111214
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 3:

Site details	
Site ID	10023111
Site address	GVW - Barmah Standpipe Concentrator Site, Barmah-Shepparton Rd, Barmah VIC
Co-ordinates (GDA94)	Latitude: -36.017506 Longitude: 144.9612

Transmitter details	
Assigned frequency	169.431250 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111215
Transmitter power	250 mW
EIRP	500 mW
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

Receiver details	
Assigned frequency	169.431250 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111216
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 4:

Site details	
Site ID	10023111
Site address	GVW - Barmah Standpipe Concentrator Site, Barmah-Shepparton Rd, Barmah VIC
Co-ordinates (GDA94)	Latitude: -36.017506                      Longitude: 144.9612

Transmitter details	
Assigned frequency	169.443750 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111217
Transmitter power	250 mW
EIRP	500 mW
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

Receiver details	
Assigned frequency	169.443750 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111218
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 5:

Site details	
Site ID	10023111
Site address	GVW - Barmah Standpipe Concentrator Site, Barmah-Shepparton Rd, Barmah VIC
Co-ordinates (GDA94)	Latitude: -36.017506 Longitude: 144.9612

Transmitter details	
Assigned frequency	169.456250 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111219
Transmitter power	250 mW
EIRP	500 mW
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

Receiver details	
Assigned frequency	169.456250 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111220
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 6:

Site details	
Site ID	10023111
Site address	GVW - Barmah Standpipe Concentrator Site, Barmah-Shepparton Rd, Barmah VIC
Co-ordinates (GDA94)	Latitude: -36.017506 Longitude: 144.9612

Transmitter details	
Assigned frequency	169.468750 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111221
Transmitter power	250 mW
EIRP	500 mW
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

Receiver details	
Assigned frequency	169.468750 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111222
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole



## Technical characteristics

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### Main Station Site

### Station 7:

Site details	
Site ID	10023223
Site address	BAWTP - Barmah Concentrator Site, Barmah River Walk, Barmah VIC
Co-ordinates (GDA94)	Latitude: -36.018267 Longitude: 144.962353

Transmitter details	
Assigned frequency	169.406250 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111223
Transmitter power	250 mW
EIRP	500 mW
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

Receiver details	
Assigned frequency	169.406250 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111224
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 8:

Site details	
Site ID	10023223
Site address	BAWTP - Barmah Concentrator Site, Barmah River Walk, Barmah VIC
Co-ordinates (GDA94)	Latitude: -36.018267 Longitude: 144.962353

Transmitter details	
Assigned frequency	169.418750 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111225
Transmitter power	250 mW
EIRP	500 mW
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

Receiver details	
Assigned frequency	169.418750 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111226
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 9:

Site details	
Site ID	10023223
Site address	BAWTP - Barmah Concentrator Site, Barmah River Walk, Barmah VIC
Co-ordinates (GDA94)	Latitude: -36.018267 Longitude: 144.962353

Transmitter details	
Assigned frequency	169.431250 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111227
Transmitter power	250 mW
EIRP	500 mW
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

Receiver details	
Assigned frequency	169.431250 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111228
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 10:

Site details	
Site ID	10023223
Site address	BAWTP - Barmah Concentrator Site, Barmah River Walk, Barmah VIC
Co-ordinates (GDA94)	Latitude: -36.018267 Longitude: 144.962353

Transmitter details	
Assigned frequency	169.443750 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111229
Transmitter power	250 mW
EIRP	500 mW
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

Receiver details	
Assigned frequency	169.443750 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111230
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 11:

Site details	
Site ID	10023223
Site address	BAWTP - Barmah Concentrator Site, Barmah River Walk, Barmah VIC
Co-ordinates (GDA94)	Latitude: -36.018267 Longitude: 144.962353

Transmitter details	
Assigned frequency	169.456250 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111231
Transmitter power	250 mW
EIRP	500 mW
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

Receiver details	
Assigned frequency	169.456250 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111232
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

## Technical characteristics

Below is a summary of the technical characteristics of the licensed service. Further technical details not displayed here may be found on the ACMA website.

### Main Station Site

### Station 12:

Site details	
Site ID	10023223
Site address	BAWTP - Barmah Concentrator Site, Barmah River Walk, Barmah VIC
Co-ordinates (GDA94)	Latitude: -36.018267 Longitude: 144.962353

Transmitter details	
Assigned frequency	169.468750 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111233
Transmitter power	250 mW
EIRP	500 mW
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole

Receiver details	
Assigned frequency	169.468750 MHz
Bandwidth	12.5000 kHz
Freq. assign. ID	0003111234
Transmitter power	N/A
EIRP	N/A
Emission designator	10K1F1E

Antenna details	
Antenna ID	92918
Antenna polarisation	V - Vertical linear
Antenna azimuth	
Antenna height (m)	15
Antenna type	Dipole