

Variation to Licence Area Plan – Riverland Radio – 2019 (No. 1)

The Australian Communications and Media Authority makes the following instrument under subsection 26(2) of the *Broadcasting Services Act 1992*.

Dated: 5 September 2019

Nerida O’Loughlin

[signed]

Member

Creina Chapman

[signed]

Member/~~General Manager~~

Australian Communications and Media Authority

1 Name

 This is the *Variation to Licence Area Plan – Riverland Radio – 2019 (No. 1)*.

2 Commencement

 This instrument commences at the start of the day after it is registered on the Federal Register of Legislation.

Note: The Federal Register of Legislation may be accessed free of charge at [www.legislation.gov.au](http://www.legislation.gov.au).

3 Authority

 This instrument is made under subsection 26(2) of the *Broadcasting Services Act 1992*.

4 Variation

 The *Licence Area Plan – Riverland Radio* (F2005B01104) is varied as follows:

1. omit clause (3), substitute:

(3) In this plan, unless the contrary intention appears:

(a) a reference to a schedule or an attachment is a reference to a schedule or an attachment to this plan; and

(b) a reference to the *Broadcasting Services (Technical Planning) Guidelines 2017* is a reference to that instrument as in force from time to time; and

(c) a reference to any other legislative instrument is a reference to that other instrument as in force from time to time; and

(d) a reference to any other kind of instrument or writing is a reference to that other kind of instrument or writing as in force or in existence at the time the reference was included in this plan.

Note 1: For references to Commonwealth Acts, see section 10 of the *Acts Interpretation Act 1901*; and see also subsection 13(1) of the *Legislation Act 2003* for the application of the *Acts Interpretation Act 1901* to legislative instruments.

Note 2: All Commonwealth Acts and legislative instruments are registered on the Federal Register of Legislation.

1. after clause (3), omit “(Determined by the Australian Broadcasting Authority on 22 August 1996)”;
2. in Schedule Two:
	1. omit each occurrence of “Morgan”, substitute “Waikerie”;
	2. omit “96.3 MHz”, substitute “88.5 MHz”;
	3. immediately below the entry in the table for Transmitter Specification No TS 10003449 (Attachment 2.6), insert:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 89.9 MHz | SL10178 | TS12000208 | 2.6A | Waikerie |
|  | 91.5 MHz | SL10178 | TS12000206 | 2.6B | Renmark/Loxton |

1. in Attachment 2.1:
	1. omit “Licence Area ID - 472”;
	2. omit “SL10175, SL10178”, substitute “SL10175 and SL10178”;
	3. omit “Community Radio Service Licence numbers:”, substitute “Community Radio Service Licence number:”;
	4. omit:

(LGA) = Local Government Area

(SLA) = Statistical Local Area

(CD) = Collection District

(DC) = District Council

substitute:

(CD) = Collection District

(DC) = District Council

(LGA) = Local Government Area

(SLA) = Statistical Local Area

1. omit Attachments 2.2 to 2.6, substitute Attachments 2.2 to 2.6 at Schedule 1 to this instrument;
2. immediately following Attachment 2.6, insert Attachments 2.6A and 2.6B at Schedule 2 to this instrument; and
3. omit Attachments 2.7 to 2.13, substitute Attachments 2.7 to 2.13 at Schedule 3 to this instrument.

**Schedule 1**

(paragraph 4(e))

Attachment 2.2

**LICENCE AREA PLAN : Riverland Radio**

Category : National

General Area Served : Renmark/Loxton (SA)

Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10003434

***Transmitter Site :-***

Nominal location : Broadcast Site Bookpurnong Terrace 4 km WSW
 of LOXTON

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.464334 140.533467

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode : VHF-FM

Carrier Frequency : 105.1 MHz

Polarisation : Mixed

Maximum antenna height : 156 m

***Output Radiation Pattern :-***

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 70°T | 152 kW |
| 70°T - 165°T | 71 kW |
| 165°T - 360°T | 152 kW |

Attachment 2.3

**LICENCE AREA PLAN : Riverland Radio**

Category : National

General Area Served : Renmark/Loxton (SA)

Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10003435

***Transmitter Site :-***

Nominal location : Broadcast Site Bookpurnong Terrace 4 km WSW
 of LOXTON

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.464334 140.533467

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode : VHF-FM

Carrier Frequency : 101.9 MHz

Polarisation : Mixed

Maximum antenna height : 156 m

***Output Radiation Pattern :-***

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 70°T | 152 kW |
| 70°T - 165°T | 71 kW |
| 165°T – 360°T | 152 kW |

Attachment 2.4

**LICENCE AREA PLAN : Riverland Radio**

Category : National

General Area Served : Renmark/Loxton (SA)

Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - AM Radio**

Specification Number : TS10003444

***Transmitter Site :-***

Nominal location : Broadcast Australia Site Riverview Drv 2.5km
 NNE of BERRI

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.265420 140.614311

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode : MF-AM

Carrier Frequency : 1305 kHz

***Output Radiation Pattern :-***

|  |  |  |
| --- | --- | --- |
| Bearing or Sector (Clockwise direction) | Elevation | Maximum CMF |
| At all angles of azimuth | 0 | 565 V |
| 143°T | 22 | 395 V |

***Special Condition :-***

The CMF at all elevations must not exceed the specified CMF at 0 degrees elevation for all angles of azimuth.

Attachment 2.5

**LICENCE AREA PLAN : Riverland Radio**

Category : National

General Area Served : Renmark/Loxton (SA)

Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - AM Radio**

Specification Number : TS10003264

***Transmitter Site :-***

Nominal location : Broadcast Australia Site Riverview Drv 2.5km
 NNE of BERRI

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.265420 140.614311

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode : MF-AM

Carrier Frequency : 1062 kHz

***Output Radiation Pattern :-***

|  |  |  |
| --- | --- | --- |
| Bearing or Sector (Clockwise direction) | Elevation | Maximum CMF |
| At all angles of azimuth | 0 | 560 V |

***Special Condition :-***

The CMF at all elevations must not exceed the specified CMF at 0 degrees elevation for all angles of azimuth.

Attachment 2.6

**LICENCE AREA PLAN : Riverland Radio**

Category : Commercial

General Area Served : Renmark/Loxton (SA)

Service Licence Number : SL10178

**TECHNICAL SPECIFICATION - AM Radio**

Specification Number : TS10003449

***Transmitter Site :-***

Nominal location : Broadcast Site Off Sturt Hwy 12km SW of
 RENMARK

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.228234 140.643220

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode : MF-AM

Carrier Frequency : 801 kHz

***Output Radiation Pattern :-***

|  |  |  |
| --- | --- | --- |
| Bearing or Sector (Clockwise direction) | Elevation | Maximum CMF |
| At all angles of azimuth | 0 | 460 V |

***Special Condition :-***

The CMF at all elevations must not exceed the specified CMF at 0 degrees elevation for all angles of azimuth.

**Schedule 2**

(paragraph 4(f))

Attachment 2.6A

**LICENCE AREA PLAN : Riverland Radio**

Category : Commercial

General Area Served : Waikerie (SA)

Service Licence Number : SL10178

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS12000208

***Transmitter Site :-***

Nominal location : Broadcast Site off Denbow Rd WAIKERIE

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.196062 139.941159

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode VHF-FM

Carrier Frequency : 89.9 MHz

Polarisation Mixed

Maximum antenna height 30 m

***Output Radiation Pattern :-***

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| At all angles of azimuth | 2 kW |

Attachment 2.6B

**LICENCE AREA PLAN : Riverland Radio**

Category : Commercial

General Area Served : Renmark/Loxton (SA)

Service Licence Number : SL10178

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS12000206

***Transmitter Site :-***

Nominal location : Broadcast Site Bookpurnong Terrace 4 km WSW
 of LOXTON

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.464334 140.533467

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode : VHF-FM

Carrier Frequency : 91.5 MHz

Polarisation : Mixed

Maximum antenna height : 140 m

***Output Radiation Pattern :-***

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 180°T | 10 kW |
| 180°T - 270°T | 3 kW |
| 270°T - 360°T | 10 kW |

**Schedule 3**

(paragraph 4(g))

Attachment 2.7

**LICENCE AREA PLAN : Riverland Radio**

Category : Commercial

General Area Served : Renmark/Loxton (SA)

Service Licence Number : SL10175

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10003436

***Transmitter Site :-***

Nominal location : Broadcast Site Bookpurnong Terrace 4 km WSW
 of LOXTON

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.464334 140.533467

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode : VHF-FM

Carrier Frequency : 93.1 MHz

Polarisation : Mixed

Maximum antenna height : 140 m

***Output Radiation Pattern :-***

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 180°T | 10 kW |
| 180°T - 270°T | 3 kW |
| 270°T - 360°T | 10 kW |

Attachment 2.8

**LICENCE AREA PLAN : Riverland Radio**

Category : Commercial

General Area Served : Waikerie (SA)

Service Licence Number : SL10175

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10003588

***Transmitter Site :-***

Nominal location : Broadcast Site off Denbow Rd WAIKERIE

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.196062 139.941159

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode VHF-FM

Carrier Frequency : 97.1 MHz

Polarisation Mixed

Maximum antenna height 30 m

***Output Radiation Pattern :-***

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| At all angles of azimuth | 2 kW |

Attachment 2.9

**LICENCE AREA PLAN : Riverland Radio**

Category : Open Narrowcasting

General Area Served : Renmark/Loxton (SA)

Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS003261

***Transmitter Site :-***

Nominal location : Nominal Planning Site LOXTON

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.465068 140.533121

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode : VHF-FM

Carrier Frequency : 95.5 MHz

Polarisation : Mixed

Maximum antenna height : 100 m

***Output Radiation Pattern :-***

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 180°T | 5 kW |
| 180°T - 320°T | 100 W |
| 320°T - 360°T | 5 kW |

***Advisory Note :-***

The coverage area of this transmission is a circle of radius 40 km from a point with the following GDA94 co-ordinates: -34.465068, 140.533121. This point is the same as the nominal transmitter location.

Attachment 2.10

**LICENCE AREA PLAN : Riverland Radio**

Category : Open Narrowcasting

General Area Served : Renmark/Loxton (SA)

Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - AM Radio**

Specification Number : TS003579

***Transmitter Site :-***

Nominal location : Nominal Planning Site BERRI

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.266966 140.621125

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode : MF-AM

Carrier Frequency : 1557 kHz

***Output Radiation Pattern :-***

|  |  |  |
| --- | --- | --- |
| Bearing or Sector (Clockwise direction) | Elevation | Maximum CMF |
| At all angles of azimuth | 0 | 210 V |
| 80°T | 7 | 135 V |

***Special Condition :-***

The CMF at all elevations must not exceed the specified CMF at 0 degrees elevation for all angles of azimuth.

***Advisory Note :-***

The coverage area of this transmission is a circle of radius 40 km from a point with the following GDA94 co-ordinates: -34.266966, 140.621125. This point is the same as the nominal transmitter location.

Attachment 2.11

**LICENCE AREA PLAN : Riverland Radio**

Category : National

General Area Served : Renmark/Loxton (SA)

Service Licence Number : Not applicable

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS1131022

***Transmitter Site :-***

Nominal location : Broadcast Site Bookpurnong Terrace 4 km WSW of LOXTON

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.464334 140.533467

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode : VHF-FM

Carrier Frequency : 93.9 MHz

Polarisation : Mixed

Maximum antenna height : 156 m

***Output Radiation Pattern :-***

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 70°T | 152 kW |
| 70°T - 165°T | 71 kW |
| 165°T - 360°T | 152 kW |

Attachment 2.12

**LICENCE AREA PLAN : Riverland Radio**

Category : Community

General Area Served : Renmark/Loxton (SA)

Service Licence Number : SL10177

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS1130967

***Transmitter Site :-***

Nominal location : Broadcast Site Bookpurnong Terrace 4 km WSW of LOXTON

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.464334 140.533467

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode : VHF-FM

Carrier Frequency : 100.7 MHz

Polarisation : Mixed

Maximum antenna height : 156 m

***Output Radiation Pattern :-***

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| 0°T - 70°T | 5 kW |
| 70°T - 165°T | 2.5 kW |
| 165°T - 360°T | 5 kW |

Attachment 2.13

**LICENCE AREA PLAN : Riverland Radio**

Category : Community

General Area Served : Waikerie (SA)

Service Licence Number : SL10177

**TECHNICAL SPECIFICATION - FM Radio**

Specification Number : TS10003589

***Transmitter Site :-***

Nominal location : Broadcast Site off Taylorville Rd TAYLORVILLE

Nominal Co-ordinates Latitude Longitude
(GDA94) : -34.154866 139.970258

Site Tolerance : Refer to *Broadcasting Services
 (Technical Planning) Guidelines 2017*

***Emission :-***

Frequency Band & Mode : VHF-FM

Carrier Frequency : 88.5 MHz

Polarisation : Mixed

Maximum antenna height : 30 m

***Output Radiation Pattern :-***

|  |  |
| --- | --- |
| Bearing or Sector (Clockwise direction) | Maximum ERP |
| At all angles of azimuth | 2 kW |