



**Australian
Broadcasting
Authority**

VARIATION TO THE LICENCE AREA PLAN

Emerald Radio

**Australian Broadcasting Authority
Sydney
September 2002**

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Variation to the Licence Area Plan – Emerald – September 2002

DETERMINATION

The Australian Broadcasting Authority hereby makes this plan for broadcasting services in the Moranbah and Blackwater areas of Queensland, under subsection 26(1) of the *Broadcasting Services Act 1992* ('the Act').

One community radio broadcasting service is to be made available in the area described at Attachment 3.1 to this Determination with the use of broadcasting services bands. The characteristics, including technical specifications, of the service that is to be available in the area described at Attachment 3.1 is set out in the Schedule Three and Attachment 3.2 to this determination.

One community radio broadcasting service is to be made available in the area described at Attachment 4.1 to this Determination with the use of broadcasting services bands. The characteristics, including technical specifications, of the service that is to be available in the area described at Attachment 4.1 is set out in the Schedule Four and Attachment 4.2 to this determination.

VARIATION

The Australian Broadcasting Authority hereby varies the licence area plan (LAP) for radio services in the Emerald area of Queensland, determined on 5 March 1998 and varied on 26 November 1998, under subsection 26(2) of the Act.

The variation comprises the addition of technical specifications for the services as set out below, deletion of the Emerald RA1 licence area description at Attachment 1.1 and the addition of the licence area description at Attachment 1.1.1:

Service Category	Status	Frequency	Technical Specification No:	Attach. No:	Area Served	Status
Open Narrowcasting	Available	96.9 MHz	TS10007947	1.31.1	Moranbah	Deleted
Open Narrowcasting	Available	97.5 MHz	TS10012318	1.34	Blair Athol	Add
Open Narrowcasting	Available	98.3 MHz	TS10012319	1.35	Blair Athol	Add
Open Narrowcasting	Available	99.9 MHz	TS10012320	1.36	Blair Athol	Add
Open Narrowcasting	Available	100.7 MHz	TS10012321	1.37	Blair Athol	Add

(Determined by the ABA on 19 September 2002)

SCHEDULES

Each of the Schedules sets out:

- the category of each of the services that are to be available in that area (column one);
- the status of the service (column two) does not form part of the licence area plan decision and is included for reference only;
- the frequency for each transmitter (column three) does not form part of the licence area plan decision and is included for reference only;
- the service licence number which has been allocated to the service, if appropriate (column four); N/A = Not Applicable, as the *Broadcasting Services Act 1992* only requires service licences for Commercial and Community services;
- the number of transmitters required to transmit the service;
- the transmitter specification number which has been allocated to each transmitter (column five);
- the identifying number of the attachment where the technical specifications for each transmitter are described (column six). (Each set of technical specifications referred to in the Schedules is an attachment to this determination); and
- the general area served by each transmitter (column seven).

Status Column

Licensed:	service is already licensed
Available:	new licence available for allocation
Proposed:	transmitter for existing broadcasting service licence
Alternative:	alternative channel proposed for licensed service
Reserved:	capacity reserved for a national or community service in accordance with Ministerial notification

Frequency Column

- the frequency shown is the centre frequency of the channel.

The information in the frequency column is provided as additional information to the licence area plan and is accurate as at the time of publication.

For ease of reference, the Schedules affected by this variation to the LAP have been updated to reflect the variation to the plan.

Schedule One of the Emerald LAP prior to this variation is reproduced below:

SCHEDULE ONE

Licence Area Plan : Emerald - Radio - varied 26 November 1998

Licence Area: Emerald RA1

Service Category	Status	Frequency	Service Licence No	Technical Specification No	Attach No	Area Served
Commercial	Licensed	88.1 MHz	SL4176	TS10007818	1.2	Blair Athol
Commercial	Licensed	102.1 MHz	SL4176	TS10007809	1.3	Clermont
Commercial	Licensed	945 kHz	SL4176	TS10007819	1.4	Dysart
Commercial	Licensed	1143 kHz	SL4176	TS10007798	1.5	Emerald
Commercial	Alternative	90.5 MHz	SL4176	TS10007724	1.6	Moranbah
Commercial	Proposed	88.9 MHz	SL10333	TS10007788	1.7	Blair Athol
Commercial	Proposed	102.9 MHz	SL10333	TS10007790	1.8	Clermont
Commercial	Proposed	92.5 MHz	SL10333	TS10007789	1.9	Dysart
Commercial	Licensed	94.7 MHz	SL10333	TS10005126	1.10	Emerald
Commercial	Proposed	91.3 MHz	SL10333	TS10007723	1.11	Moranbah
National	Licensed	94.3 MHz	N/A	TS1345001	1.12	Blackwater
National	Licensed	107.3 MHz	N/A	TS1346001	1.13	Capella
National	Licensed	104.5 MHz	N/A	TS1249001	1.14	Clermont
National	Licensed	107.7 MHz	N/A	TS1329001	1.15	Clermont
National	Licensed	93.3 MHz	N/A	TS2156001	1.16	Dysart
National	Licensed	91.7 MHz	N/A	TS2157001	1.17	Dysart
National	Licensed	93.9 MHz	N/A	TS1330001	1.18	Emerald
National	Licensed	1548 kHz	N/A	TS4040001	1.19	Emerald
National	Licensed	107.7 MHz	N/A	TS10007829	1.20	Middlemount
National	Licensed	106.1 MHz	N/A	TS10007830	1.21	Middlemount
National	Licensed	106.5 MHz	N/A	TS2331001	1.22	Moranbah
National	Licensed	104.9 MHz	N/A	TS5507002	1.23	Moranbah
National	Licensed	100.9 MHz	N/A	TS1347001	1.24	Springsure
Open Narrowcasting	Licensed	97.5 MHz	N/A	TS5685008	1.25	Blackwater
Open Narrowcasting	Licensed	106.1 MHz	N/A	TS10007810	1.26	Clermont
Open Narrowcasting	Available	90.9 MHz	N/A	TS10007949	1.27	Dysart
Open Narrowcasting	Licensed	95.5 MHz	N/A	TS10007840	1.28	Emerald

Open Narrowcasting	Available	92.3 MHz	N/A	TS10007997	1.29	Emerald
Open Narrowcasting	Available	94.1 MHz	N/A	TS10007990	1.30	Middlemount
Open Narrowcasting	Available	96.9 MHz	N/A	TS10007947	1.31.1	Moranbah
Open Narrowcasting	Available	92.1 MHz	N/A	TS10007989	1.32	Saraji
Open Narrowcasting	Available	92.1 MHz	N/A	TS10007950	1.33	Tieri

The updated schedules to the LAP affected by this variation are as follows:

SCHEDULE ONE

Licence Area Plan : Emerald - Radio – September 2002

Licence Area: Emerald RA1

Service Category	Status	Frequency	Service Licence No	Technical Specification No	Attach No	Area Served
Commercial	Licensed	88.1 MHz	SL4176	TS10007818	1.2	Blair Athol
Commercial	Licensed	102.1 MHz	SL4176	TS10007809	1.3	Clermont
Commercial	Licensed	945 kHz	SL4176	TS10007819	1.4	Dysart
Commercial	Licensed	1143 kHz	SL4176	TS10007798	1.5	Emerald
Commercial	Alternative	90.5 MHz	SL4176	TS10007724	1.6	Moranbah
Commercial	Proposed	88.9 MHz	SL10333	TS10007788	1.7	Blair Athol
Commercial	Proposed	102.9 MHz	SL10333	TS10007790	1.8	Clermont
Commercial	Proposed	92.5 MHz	SL10333	TS10007789	1.9	Dysart
Commercial	Licensed	94.7 MHz	SL10333	TS10005126	1.10	Emerald
Commercial	Proposed	91.3 MHz	SL10333	TS10007723	1.11	Moranbah
National	Licensed	94.3 MHz	N/A	TS1345001	1.12	Blackwater
National	Licensed	107.3 MHz	N/A	TS1346001	1.13	Capella
National	Licensed	104.5 MHz	N/A	TS1249001	1.14	Clermont
National	Licensed	107.7 MHz	N/A	TS1329001	1.15	Clermont
National	Licensed	93.3 MHz	N/A	TS2156001	1.16	Dysart
National	Licensed	91.7 MHz	N/A	TS2157001	1.17	Dysart
National	Licensed	93.9 MHz	N/A	TS1330001	1.18	Emerald
National	Licensed	1548 kHz	N/A	TS4040001	1.19	Emerald
National	Licensed	107.7 MHz	N/A	TS10007829	1.20	Middlemount
National	Licensed	106.1 MHz	N/A	TS10007830	1.21	Middlemount
National	Licensed	106.5 MHz	N/A	TS2331001	1.22	Moranbah
National	Licensed	104.9 MHz	N/A	TS5507002	1.23	Moranbah
National	Licensed	100.9 MHz	N/A	TS1347001	1.24	Springsure
Open Narrowcasting	Licensed	97.5 MHz	N/A	TS5685008	1.25	Blackwater
Open Narrowcasting	Licensed	106.1 MHz	N/A	TS10007810	1.26	Clermont
Open Narrowcasting	Available	90.9 MHz	N/A	TS10007949	1.27	Dysart
Open Narrowcasting	Licensed	95.5 MHz	N/A	TS10007840	1.28	Emerald
Open Narrowcasting	Available	92.3 MHz	N/A	TS10007997	1.29	Emerald

Open Narrowcasting	Available	94.1 MHz	N/A	TS10007990	1.30	Middlemount
Open Narrowcasting	Available	92.1 MHz	N/A	TS10007989	1.32	Saraji
Open Narrowcasting	Available	92.1 MHz	N/A	TS10007950	1.33	Tieri
Open Narrowcasting	Available	97.5 MHz	N/A	TS10012318	1.34	Blair Athol
Open Narrowcasting	Available	98.3 MHz	N/A	TS10012319	1.35	Blair Athol
Open Narrowcasting	Available	99.9 MHz	N/A	TS10012320	1.36	Blair Athol
Open Narrowcasting	Available	100.7 MHz	N/A	TS10012321	1.37	Blair Athol

SCHEDULE THREE

Licence Area Plan : Emerald Radio – September 2002

Licence Area : MORANBAH RA1

Service Category	Status	Frequency	Service Licence No	Technical Specification No	Attach No	Area Served
Community	Available	96.9 MHz	SL1150804	TS10007947	3.2	Moranbah

SCHEDULE FOUR

Licence Area Plan : Emerald Radio – September 2002

Licence Area : BLACKWATER RA1

Service Category	Status	Frequency	Service Licence No	Technical Specification No	Attach No	Area Served
Community	Available	92.7 MHz	SL1150805	TS10008578	4.2	Blackwater

Attachment 1.1.1**LICENCE AREA - EMERALD RA1**

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 5 August 2001, is:

Area Description	Area Description
Emerald (S)	QLD CD 3052308
Peak Downs (S)	QLD CD 3052306
QLD CD 3080509	QLD CD 3052303
QLD CD 3052304	QLD CD 3052311
QLD CD 3080406	QLD CD 3080402
QLD CD 3080604	QLD CD 3080502
QLD CD 3031601	QLD CD 3031503
QLD CD 3031607	QLD CD 3080607
QLD CD 3052301	QLD CD 3031502
QLD CD 3080410	QLD CD 3080505
QLD CD 3052004	QLD CD 3031603
QLD CD 3031605	QLD CD 3080407
QLD CD 3080405	QLD CD 3080605
QLD CD 3031612	QLD CD 3080411
QLD CD 3031609	QLD CD 3080608
QLD CD 3031608	QLD CD 3052105
QLD CD 3031610	QLD CD 3080603
QLD CD 3080409	QLD CD 3080504
QLD CD 3031611	QLD CD 3080602
QLD CD 3031507	QLD CD 3080503
QLD CD 3031606	QLD CD 3052307
QLD CD 3052310	QLD CD 3031501
QLD CD 3052302	QLD CD 3060109
QLD CD 3080404	QLD CD 3080401
QLD CD 3080408	QLD CD 3080506
QLD CD 3052305	QLD CD 3031504
QLD CD 3031613	QLD CD 3080606
QLD CD 3031508	QLD CD 3080501
QLD CD 3080403	QLD CD 3052108
QLD CD 3031509	QLD CD 3080511
QLD CD 3052309	QLD CD 3061501
QLD CD 3031506	
QLD CD 3031604	
QLD CD 3031505	

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District

(S) = Shire

Attachment 1.34**LICENCE AREA PLAN : Emerald**

Category : Open Narrowcasting

General Area Served : Blair Athol (QLD)

Service Licence Number : N/A

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10012318

Transmitter Site :-

Nominal location : New Ttr Site BLAIR ATHOL MINE

Australian Map Grid : Reference	Zone 55	Easting 553347	Northing 7490408
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Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF-FM

Carrier Frequency : 97.5 MHz

Polarisation : Vertical

Maximum antenna height : 80 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	50 W

Special Conditions :-

The coverage area of this transmission is described as that area within a radius of 7 kilometres measured from a point with the following AMG co-ordinates : Zone : 55; Easting : 553347; Northing : 7490408. This point is the same as the transmitter location.

This transmission is permitted within the defined coverage area. The transmitter may be established at an alternative site to the nominal site only within this area. A change in site from the nominal site is to be in accordance with the Change of Transmitter Site Procedure of the ABA's Technical Planning Guidelines and is not to result in maximum field strength beyond the defined area in excess of that which would have been provided at the specified power and pattern from the nominal site.

Attachment 1.35**LICENCE AREA PLAN : Emerald**

Category : Open Narrowcasting

General Area Served : Blair Athol (QLD)

Service Licence Number : N/A

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10012319

Transmitter Site :-

Nominal location : New Ttr Site BLAIR ATHOL MINE

Australian Map Grid :	Zone	Easting	Northing
Reference	55	553347	7490408

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF-FM

Carrier Frequency : 98.3 MHz

Polarisation : Vertical

Maximum antenna height : 80 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	50 W

Special Conditions :-

The coverage area of this transmission is described as that area within a radius of 7 kilometres measured from a point with the following AMG co-ordinates : Zone : 55; Easting : 553347; Northing : 7490408. This point is the same as the transmitter location.

This transmission is permitted within the defined coverage area. The transmitter may be established at an alternative site to the nominal site only within this area. A change in site from the nominal site is to be in accordance with the Change of Transmitter Site Procedure of the ABA's Technical Planning Guidelines and is not to result in a maximum field strength beyond the defined area in excess of that which would have been provided at the specified power and pattern from the nominal site.

Attachment 1.36**LICENCE AREA PLAN : Emerald**

Category : Open Narrowcasting

General Area Served : Blair Athol (QLD)

Service Licence Number : N/A

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10012320

Transmitter Site :-

Nominal location : New Ttr Site BLAIR ATHOL MINE

Australian Map Grid :	Zone	Easting	Northing
Reference	55	553347	7490408

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF-FM

Carrier Frequency : 99.9 MHz

Polarisation : Vertical

Maximum antenna height : 80 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	50 W

Special Conditions :-

The coverage area of this transmission is described as that area within a radius of 7 kilometres measured from a point with the following AMG co-ordinates : Zone : 55; Easting : 553347; Northing : 7490408. This point is the same as the transmitter location.

This transmission is permitted within the defined coverage area. The transmitter may be established at an alternative site to the nominal site only within this area. A change in site from the nominal site is to be in accordance with the Change of Transmitter Site Procedure of the ABA's Technical Planning Guidelines and is not to result in maximum field strength beyond the defined area in excess of that which would have been provided at the specified power and pattern from the nominal site.

Attachment 1.37**LICENCE AREA PLAN : Emerald**

Category : Open Narrowcasting

General Area Served : Blair Athol (QLD)

Service Licence Number : N/A

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10012321

Transmitter Site :-

Nominal location : New Ttr Site BLAIR ATHOL MINE

Australian Map Grid :	Zone	Easting	Northing
Reference	55	553347	7490408

Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF-FM

Carrier Frequency : 100.7 MHz

Polarisation : Vertical

Maximum antenna height : 80 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	50 W

Special Conditions :-

The coverage area of this transmission is described as that area within a radius of 7 kilometres measured from a point with the following AMG co-ordinates : Zone : 55; Easting : 553347; Northing : 7490408. This point is the same as the transmitter location.

This transmission is permitted within the defined coverage area. The transmitter may be established at an alternative site to the nominal site only within this area. A change in site from the nominal site is to be in accordance with the Change of Transmitter Site Procedure of the ABA's Technical Planning Guidelines and is not to result in a maximum field strength beyond the defined area in excess of that which would have been provided at the specified power and pattern from the nominal site.

Attachment 3.1

LICENCE AREA - MORANBAH RA1

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 5 August 2001, is:

Area Description
QLD CD 3031607
QLD CD 3031601
QLD CD 3031609
QLD CD 3031608
QLD CD 3031605
QLD CD 3031612
QLD CD 3031611
QLD CD 3031606
QLD CD 3031610
QLD CD 3031613

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District

Attachment 3.2

LICENCE AREA PLAN : Moranbah

Category : Community
General Area Served : Moranbah (QLD)
Service Licence Number : SL1150804

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10007947

Transmitter Site :-

Nominal location : Moranbah, Cnr Clements St / Mills Ave
Australian Map Grid : Zone Easting Northing
Reference 55 609201 7566698
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF-FM
Carrier Frequency : 96.9 MHz
Polarisation : Mixed
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	50 W

Attachment 4.1

LICENCE AREA - BLACKWATER RA1

The licence area, in terms of areas defined by the Australian Bureau of Statistics at the Census of 5 August 2001, is:

Area Description
QLD CD 3080406
QLD CD 3080410
QLD CD 3080405
QLD CD 3080408
QLD CD 3080409
QLD CD 3080404
QLD CD 3080403
QLD CD 3080402
QLD CD 3080407
QLD CD 3080411
QLD CD 3080509

Note:

Standard terminology used by the Australian Bureau of Statistics:

(CD) = Collection District

Attachment 4.2

LICENCE AREA PLAN : Blackwater

Category : Community
General Area Served : Blackwater (QLD)
Service Licence Number : SL1150805

TECHNICAL SPECIFICATION - FM Radio

Specification Number : TS10008578

Transmitter Site :-

Nominal location : Jarrah Street BLACKWATER
Australian Map Grid : Zone Easting Northing
Reference 55 692040 7389360
Site Tolerance : Refer to Technical Planning Guidelines

Emission :-

Frequency Band & Mode : VHF-FM
Carrier Frequency : 92.7 MHz
Polarisation : Mixed
Maximum antenna height : 30 m

Output Radiation Pattern :-

Bearing or Sector (Clockwise direction)	Maximum ERP
At all angles of azimuth	600 W