

## Appendix B – Predicted Scenario Noise Levels






**KENDALL BAY REMEDIATION  
PROJECT**

**Kendall Bay, New South Wales**

Typical highest LAeq, 15min Noise Levels  
SA1 Stage 1 - Sheet Piling

PROJECT NUMBER	A17394
DRAWN BY	NH
CHECKED BY	DJ
DATE ISSUED	16 May 2018
CLIENT	JEMENA
PREDICTION METHOD	ISO 9613-2
GROUND ABSORPTION	G=0 (Reflective)
RECEIVER HEIGHT	1.5 m AGL
RH	70%

**Legend**

-  Noise Sensitive Building
-  Non-Sensitive Building
-  Unattended Noise Monitoring Location

**Typical Worst Case Noise Level**







-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  > 75 dB(A)

Figure  
**B.1**

0 100 200 300 m



Datum WGS 84, Projection UTM ZONE 56S

**Resonate**






**KENDALL BAY REMEDIATION  
PROJECT**

**Kendall Bay, New South Wales**







Typical highest LAeq, 15min Noise Levels  
SA1 Stage 2

PROJECT NUMBER	A17394
DRAWN BY	NH
CHECKED BY	DJ
DATE ISSUED	16 May 2018
CLIENT	JEMENA
PREDICTION METHOD	ISO 9613-2
GROUND ABSORPTION	G=0 (Reflective)
RECEIVER HEIGHT	1.5 m AGL
RH	70%

**Legend**

-  Noise Sensitive Building
-  Non-Sensitive Building
-  Unattended Noise Monitoring Location

**Typical Worst Case Noise Level**

-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  > 75 dB(A)

**Figure  
B.2**

0 100 200 300 m



Datum WGS 84, Projection UTM ZONE 56S

**Resonate**






**KENDALL BAY REMEDIATION  
PROJECT**

**Kendall Bay, New South Wales**







Typical highest LAeq, 15min Noise Levels  
SA1 Stage 3

PROJECT NUMBER	A17394
DRAWN BY	SF
CHECKED BY	DJ
DATE ISSUED	6 June 2017
CLIENT	JEMENA
PREDICTION METHOD	ISO 9613-2
GROUND ABSORPTION	G=0 (Reflective)
RECEIVER HEIGHT	1.5 m AGL
RH	70%

**Legend**

-  Noise Sensitive Building
-  Non-Sensitive Building
-  Unattended Noise Monitoring Location

**Typical Worst Case Noise Level**

-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  > 75 dB(A)

**Figure  
B.3**

0 100 200 300 m



Datum WGS 84, Projection UTM ZONE 56S

**Resonate**






**KENDALL BAY REMEDIATION  
PROJECT**

**Kendall Bay, New South Wales**







Typical highest LAeq, 15min Noise Levels  
SA1 Stage 4

PROJECT NUMBER	A17394
DRAWN BY	SF
CHECKED BY	DJ
DATE ISSUED	6 June 2017
CLIENT	JEMENA
PREDICTION METHOD	ISO 9613-2
GROUND ABSORPTION	G=0 (Reflective)
RECEIVER HEIGHT	1.5 m AGL
RH	70%

**Legend**

-  Noise Sensitive Building
-  Non-Sensitive Building
-  Unattended Noise Monitoring Location

**Typical Worst Case Noise Level**

-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  > 75 dB(A)

**Figure  
B.4**

0 100 200 300 m



Datum WGS 84, Projection UTM ZONE 56S

**Resonate**






**KENDALL BAY REMEDIATION  
PROJECT**

**Kendall Bay, New South Wales**







Typical highest LAeq, 15min Noise Levels  
NA2 & NA3 Stage 1 - Sheet Piling

PROJECT NUMBER	A17394
DRAWN BY	SF
CHECKED BY	DJ
DATE ISSUED	6 June 2017
CLIENT	JEMENA
PREDICTION METHOD	ISO 9613-2
GROUND ABSORPTION	G=0 (Reflective)
RECEIVER HEIGHT	1.5 m AGL
RH	70%

**Legend**

-  Noise Sensitive Building
-  Non-Sensitive Building
-  Unattended Noise Monitoring Location

**Typical Worst Case Noise Level**

-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  > 75 dB(A)

**Figure  
B.5**

0 100 200 300 m



Datum WGS 84, Projection UTM ZONE 56S

**Resonate**






**KENDALL BAY REMEDIATION  
PROJECT**

**Kendall Bay, New South Wales**







Typical highest LAeq, 15min Noise Levels  
NA2 & NA3 Stage 2

PROJECT NUMBER	A17394
DRAWN BY	SF
CHECKED BY	DJ
DATE ISSUED	6 June 2017
CLIENT	JEMENA
PREDICTION METHOD	ISO 9613-2
GROUND ABSORPTION	G=0 (Reflective)
RECEIVER HEIGHT	1.5 m AGL
RH	70%

**Legend**

-  Noise Sensitive Building
-  Non-Sensitive Building
-  Unattended Noise Monitoring Location

**Typical Worst Case Noise Level**

-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  > 75 dB(A)

**Figure  
B.6**

0 100 200 300 m



Datum WGS 84, Projection UTM ZONE 56S

**Resonate**






**KENDALL BAY REMEDIATION  
PROJECT**

**Kendall Bay, New South Wales**







Typical highest LAeq, 15min Noise Levels  
NA1 & SA2 Stage 1

PROJECT NUMBER	A17394
DRAWN BY	SF
CHECKED BY	DJ
DATE ISSUED	6 June 2017
CLIENT	JEMENA
PREDICTION METHOD	ISO 9613-2
GROUND ABSORPTION	G=0 (Reflective)
RECEIVER HEIGHT	1.5 m AGL
RH	70%

**Legend**

-  Noise Sensitive Building
-  Non-Sensitive Building
-  Unattended Noise Monitoring Location

**Typical Worst Case Noise Level**

-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  > 75 dB(A)

Figure

**B.7**

0 100 200 300 m



Datum WGS 84, Projection UTM ZONE 56S

**Resonate**






**KENDALL BAY REMEDIATION  
PROJECT**

**Kendall Bay, New South Wales**







Typical highest LAeq, 15min Noise Levels  
NA1 & SA2 Stage 2

PROJECT NUMBER	A17394
DRAWN BY	SF
CHECKED BY	DJ
DATE ISSUED	6 June 2017
CLIENT	JEMENA
PREDICTION METHOD	ISO 9613-2
GROUND ABSORPTION	G=0 (Reflective)
RECEIVER HEIGHT	1.5 m AGL
RH	70%

**Legend**

-  Noise Sensitive Building
-  Non-Sensitive Building
-  Unattended Noise Monitoring Location

**Typical Worst Case Noise Level**

-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  > 75 dB(A)

**Figure  
B.8**

0 100 200 300 m



Datum WGS 84, Projection UTM ZONE 56S

**Resonate**






**KENDALL BAY REMEDIATION  
PROJECT**

**Kendall Bay, New South Wales**







Typical highest LAeq, 15min Noise Levels  
SA3 Stage 1

PROJECT NUMBER	A17394
DRAWN BY	SF
CHECKED BY	DJ
DATE ISSUED	6 June 2017
CLIENT	JEMENA
PREDICTION METHOD	ISO 9613-2
GROUND ABSORPTION	G=0 (Reflective)
RECEIVER HEIGHT	1.5 m AGL
RH	70%

**Legend**

-  Noise Sensitive Building
-  Non-Sensitive Building
-  Unattended Noise Monitoring Location

**Typical Worst Case Noise Level**

-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  > 75 dB(A)

**Figure  
B.9**

0 100 200 300 m



Datum WGS 84, Projection UTM ZONE 56S

**Resonate**






**KENDALL BAY REMEDIATION  
PROJECT**

**Kendall Bay, New South Wales**







Typical highest LAeq, 15min Noise Levels  
SA3 Stage 2

PROJECT NUMBER	A17394
DRAWN BY	SF
CHECKED BY	DJ
DATE ISSUED	6 June 2017
CLIENT	JEMENA
PREDICTION METHOD	ISO 9613-2
GROUND ABSORPTION	G=0 (Reflective)
RECEIVER HEIGHT	1.5 m AGL
RH	70%

**Legend**

-  Noise Sensitive Building
-  Non-Sensitive Building
-  Unattended Noise Monitoring Location

**Typical Worst Case Noise Level**

-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  > 75 dB(A)

**Figure  
B.10**

0 100 200 300 m



Datum WGS 84, Projection UTM ZONE 56S

**Resonate**






**KENDALL BAY REMEDIATION  
PROJECT**

**Kendall Bay, New South Wales**







Typical highest LAeq, 15min Noise Levels  
SA4

PROJECT NUMBER	A17394
DRAWN BY	SF
CHECKED BY	DJ
DATE ISSUED	6 June 2017
CLIENT	JEMENA
PREDICTION METHOD	ISO 9613-2
GROUND ABSORPTION	G=0 (Reflective)
RECEIVER HEIGHT	1.5 m AGL
RH	70%

**Legend**

-  Noise Sensitive Building
-  Non-Sensitive Building
-  Unattended Noise Monitoring Location

**Typical Worst Case Noise Level**

-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  > 75 dB(A)

Figure

**B.11**

0 100 200 300 m



Datum WGS 84, Projection UTM ZONE 56S

**Resonate**






**KENDALL BAY REMEDIATION  
PROJECT**

**Kendall Bay, New South Wales**







Typical highest LAeq, 15min Noise Levels  
SA5

PROJECT NUMBER	A17394
DRAWN BY	SF
CHECKED BY	DJ
DATE ISSUED	6 June 2017
CLIENT	JEMENA
PREDICTION METHOD	ISO 9613-2
GROUND ABSORPTION	G=0 (Reflective)
RECEIVER HEIGHT	1.5 m AGL
RH	70%

**Legend**

-  Noise Sensitive Building
-  Non-Sensitive Building
-  Unattended Noise Monitoring Location

**Typical Worst Case Noise Level**

-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  > 75 dB(A)

Figure

**B.12**

0 100 200 300 m



Datum WGS 84, Projection UTM ZONE 56S

**Resonate**






**KENDALL BAY REMEDIATION  
PROJECT**

**Kendall Bay, New South Wales**







Typical highest LAeq, 15min Noise Levels  
Staging Area

PROJECT NUMBER	A17394
DRAWN BY	SF
CHECKED BY	DJ
DATE ISSUED	6 June 2017
CLIENT	JEMENA
PREDICTION METHOD	ISO 9613-2
GROUND ABSORPTION	G=0 (Reflective)
RECEIVER HEIGHT	1.5 m AGL
RH	70%

**Legend**

-  Noise Sensitive Building
-  Non-Sensitive Building
-  Unattended Noise Monitoring Location

**Typical Worst Case Noise Level**

-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  > 75 dB(A)

Figure

**B.13**

0 100 200 300 m



Datum WGS 84, Projection UTM ZONE 56S

**Resonate**