

Environment Protection Licence Monitoring Data - Water



Project Name:	Coffs Harbour Bypass
Monitoring Period:	Jan-24
EPL Number:	21766
Licencee:	Garnuda Berhad and Ferrovial Agroman (Australia) Pty. Ltd.
Premise Address:	Coffs Harbour NSW 2450
Public Register:	<a href="https://apps.epa.nsw.gov.au/epoapp/Detail.aspx?instid=21766&amp;id=21766&amp;option=licence&amp;searchrange=licence&amp;range=POE%20licence&amp;ppuno&amp;status=Issued">https://apps.epa.nsw.gov.au/epoapp/Detail.aspx?instid=21766&amp;id=21766&amp;option=licence&amp;searchrange=licence&amp;range=POE%20licence&amp;ppuno&amp;status=Issued</a>
Relevant EPL Conditions:	L2.4, M2.3, M2.4

Sediment Basins (Type D):

Discharge Point	Monitoring Point	Date	Turbidity (NTU)		TSS (mg/L)		pH		Oil & Grease		Aluminium (mg/L)	Iron (mg/L)	Conductivity (µS/cm)	Comment
			Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results				
B1825OR	1	03/01/2024		40		NA		7.4		nil	NA	NA	NA	
B2110DL	1	03/01/2024		35		NA		7.5		nil	NA	NA	NA	
B1260DL	1	03/01/2024		10		NA		7.9		nil	NA	NA	NA	
B1345DL	1	03/01/2024		45		NA		7.7		nil	NA	NA	NA	
B2110DL	1	03/01/2024		35		NA		7.5		nil	NA	NA	NA	
B1825OR	1	04/01/2024		47		NA		7.1		nil	NA	NA	NA	
B1530OR	1	04/01/2024		26.7		NA		7.6		nil	NA	NA	NA	
B1480OR	1	04/01/2024		50.9		NA		7.92		nil	NA	NA	NA	
B1450OR	1	04/01/2024		21		NA		7.5		nil	NA	NA	NA	
B1145OR	1	04/01/2024		12		NA		6.7		nil	NA	NA	NA	
B1210OR	1	04/01/2024		35		NA		8.1		nil	NA	NA	NA	
B1825OR	1	05/01/2024		35		NA		7.2		nil	NA	NA	NA	
B1070OR	1	05/01/2024		45		NA		7.7		nil	NA	NA	NA	
B1100OR	1	05/01/2024		15		NA		7.9		nil	NA	NA	NA	
B1160OR	1	05/01/2024		50		NA		7.2		nil	NA	NA	NA	
B1395OR	1	05/01/2024		25		NA		6.7		nil	NA	NA	NA	
B1450OR	1	05/01/2024		27		NA		7.1		nil	NA	NA	NA	
B1825OR	1	08/01/2024		24		NA		7.1		nil	NA	NA	NA	
B1070OR	1	12/01/2024		12		NA		7.3		nil	NA	NA	NA	
B1100OR	1	12/01/2024		19		NA		7.8		nil	NA	NA	NA	
B1145OR	1	12/01/2024		9		NA		7.2		nil	NA	NA	NA	
B1160OR	1	12/01/2024		9		NA		7.4		nil	NA	NA	NA	
B2075OR	1	17/01/2024		48		NA		6.7		nil	NA	NA	NA	
B1160OR	1	18/01/2024		14		NA		7.5		nil	NA	NA	NA	
B1100OR	1	18/01/2024		10		NA		7		nil	NA	NA	NA	
B1550OR	1	18/01/2024		55.4		NA		7.4		nil	NA	NA	NA	
B1500OR	1	19/01/2024		43		NA		7.5		nil	NA	NA	NA	
B1540OR	1	19/01/2024		42		NA		7.8		nil	NA	NA	NA	
B1160OR	1	19/01/2024		39		NA		6.5		nil	NA	NA	NA	
B1210OR	1	20/01/2024		22		NA		7.1		nil	NA	NA	NA	
B1550OR	1	20/01/2024		43		NA		7.9		nil	NA	NA	NA	
B1420OR	1	20/01/2024		41		NA		7.6		nil	NA	NA	NA	
B1395OR	1	20/01/2024		35		NA		7.2		nil	NA	NA	NA	
B2030OR	1	22/01/2024		47		NA		7.8		nil	NA	NA	NA	
B2105OR	1	22/01/2024		38		NA		7		nil	NA	NA	NA	
B2150DL	1	22/01/2024		23		NA		7.2		nil	NA	NA	NA	
B1260DL	1	22/01/2024		27		NA		7.7		nil	NA	NA	NA	
B2150DL	1	23/01/2024		45.5		NA		8.2		nil	NA	NA	NA	
B2105DL	1	23/01/2024		14.2		NA		6.8		nil	NA	NA	NA	
B2110DL	1	23/01/2024		31.6		NA		7.7		nil	NA	NA	NA	
B1610OR	1	23/01/2024		50		NA		7		nil	NA	NA	NA	
B1480OR	1	23/01/2024		40		NA		6.8		nil	NA	NA	NA	
B1450OR	1	23/01/2024		50		NA		6.8		nil	NA	NA	NA	
B1825OR	1	23/01/2024		58		NA		8.3		nil	NA	NA	NA	
B1145OR	1	23/01/2024		54		NA		6.8		nil	NA	NA	NA	
B1100OR	1	23/01/2024		14		NA		7.1		nil	NA	NA	NA	
B1145OR	1	24/01/2024		40		NA		7.5		nil	NA	NA	NA	
B1825OR	1	24/01/2024		52		NA		7.4		nil	NA	NA	NA	
B2070DL	1	24/01/2024		51		NA		7.6		nil	NA	NA	NA	
B2080OR	1	24/01/2024		48		NA		7.5		nil	NA	NA	NA	
B2105OR	1	24/01/2024		38		NA		7.2		nil	NA	NA	NA	
B2105OR	1	25/01/2024		40		NA		7.2		nil	NA	NA	NA	
B1610OR	1	25/01/2024		35		NA		7.1		nil	NA	NA	NA	
B1480OR	1	25/01/2024		20		NA		7.2		nil	NA	NA	NA	
B1410DL	1	25/01/2024		50		NA		7.8		nil	NA	NA	NA	
B1410DL	1	27/01/2024		59		NA		7.3		nil	NA	NA	NA	
B1420OR	1	30/01/2024		45.1		NA		8.4		nil	NA	NA	NA	
B1450OR	1	30/01/2024		6.1		NA		7.9		nil	NA	NA	NA	
B2030OR	1	31/01/2024		57		NA		7.6		nil	NA	NA	NA	
B1610OR	1	30/01/2024		22.4		NA		7.31		nil	NA	NA	NA	
B1530OR	1	31/01/2024		43		NA		7.4		nil	NA	NA	NA	
B2105OR	1	30/01/2024		19		NA		7.7		nil	NA	NA	NA	
B2110OR	1	30/01/2024		21		NA		7.2		nil	NA	NA	NA	
B2150DL	1	30/01/2024		11		NA		6.8		nil	NA	NA	NA	
B1410DL	1	01/02/2024		7.8		NA		7.51		nil	NA	NA	NA	
B1145OR	1	01/02/2024		24.2		NA		7.8		nil	NA	NA	NA	
B1345DL	1	31/01/2024		9		NA		7		nil	NA	NA	NA	
B1100OR	1	31/01/2023		11		NA		7.1		nil	NA	NA	NA	
B1825OR	1	31/01/2024		32		NA		6.8		nil	NA	NA	NA	

High Efficiency Sediment Basins (Type B):

Discharge Point	Monitoring Point	Date	Turbidity (NTU)	Total Suspended Solids (mg/L)	pH	Oil & Grease	Aluminium (mg/L)	Iron (mg/L)	Conductivity (µS/cm)	Monitoring Frequency	Comment
HEB 1770R	4	16/01/2024	462	294	6.74	Nil	19.5	12.2	0.099	Special Frequency 2	Large rainfall event, all localised controls within catchments overlapping.
HEB 1865OR	4	16/01/2024	575	137	6.91	Nil	16.6	7.04	0.115	Special Frequency 2	
HEB 2175DL	4	16/01/2024	455	84	6.77	Nil	9.3	4.65	0.134	Special Frequency 2	
HEB 1770R	4	29/01/2024	24	5	7.9	Nil	1.77	1.19	0.112	Special Frequency 2	
HEB 2175DL	4	29/01/2024	8	2	7.1	Nil	0.48	0.59	0.126	Special Frequency 2	

# Environment Protection Licence Monitoring Data - Air



**Project Name:** Coffs Harbour Bypass  
**Monitoring Period:** Jan-24  
**EPL Number:** 21766  
**Licensee:** Gamuda Berhad and Ferrovial Agroman (Australia) Pty. Ltd.  
**Premise Address:** Coffs Harbour NSW 2450  
**Public Register:** <https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21766&id=21766&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued>  
**Relevant EPL Condition/s:** M2.2

Monitoring Point	Start Date	End Date	Date Data Obtained	Solid Particles (g/m <sup>2</sup> /month)	Monitoring Frequency	Rolling Average Criteria	Annual Rolling Average	Comment
DDG1	21/12/2023	23/01/2024	2/02/2024	0.9	Monthly	3.06	1.3	
DDG2	21/12/2023	23/01/2024	2/02/2024	1.4	Monthly	3.59	4.3	
DDG3	21/12/2023	23/01/2024	2/02/2024	0.5	Monthly	2.68	0.9	
DDG4	21/12/2023	23/01/2024	2/02/2024	0.3	Monthly	3.25	2.2	
DDG5	21/12/2023	23/01/2024	2/02/2024	0.4	Monthly	2.91	0.6	
DDG6	21/12/2023	23/01/2024	2/02/2024	0.4	Monthly	2.84	0.6	
DDG7	21/12/2023	23/01/2024	2/02/2024	0.5	Monthly	2.68	1.6	
DDG8	21/12/2023	23/01/2024	2/02/2024	0.9	Monthly	2.87	2.6	
DDG9	21/12/2023	23/01/2024	2/02/2024	1.8	Monthly	2.19	0.9	
DDG10	21/12/2023	23/01/2024	2/02/2024	1.6	Monthly	2.28	1.9	
DDG10.5	21/12/2023	23/01/2024	2/02/2024	N/A	Monthly	2.28	2.3	Dust gauge found knocked over upon collection. Results excluded from reporting due to potential inaccuracy from gauge interference.
DDG11	21/12/2023	23/01/2024	2/02/2024	1.5	Monthly	2.22	2	
DDG11.5	21/12/2023	23/01/2024	2/02/2024	0.1	Monthly	2.22	2	
DDG12	21/12/2023	23/01/2024	2/02/2024	1	Monthly	2.43	1.1	
DDG13	21/12/2023	23/01/2024	2/02/2024	0.4	Monthly	2.26	1.2	
DDG14	21/12/2023	23/01/2024	2/02/2024	0.5	Monthly	2.45	0.7	
DDG15	21/12/2023	23/01/2024	2/02/2024	2.2	Monthly	2.83	0.5	
DDG16	21/12/2023	23/01/2024	2/02/2024	5.6	Monthly	2.68	1.2	Object (rubber duck) placed in jar by non project related person (date unknown), potentially influencing high dust result for this exposure period.

## Environment Protection Licence Monitoring Data - Noise



**Project Name:** Coffs Harbour Bypass  
**Monitoring Period:** Jan-24  
**EPL Number:** 21766  
**Licensee:** Gamuda Berhad and Ferroviaal Agroman (Australia) Pty. Ltd.  
**Premise Address:** Coffs Harbour NSW 2450  
**Public Register:** <https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21766&id=21766&option=licence&searchrange=licence&range=POEO%20licence&pr=no&status=Issued>  
**Relevant EPL Condition/s:** M4.1 - M4.4

Monitoring Location	NCA	Purpose	Relevant EPL Clause	Works Monitored	Date	Time	Attended or Unattended	Parameter	Goal / Target (dBA)	Measured (dBA)	Esimated Construction Contribution (dBA)	Comment
Front of 798 Pac Hwy	2	Verification Monitoring	P1.2	Hammer	17/01/2024	3:15 PM	Attended	LAeq15min	72	65	65	Noise levels below prediction.

## Environment Protection Licence Monitoring Data - Blasting

**Project Name:** Coffs Harbour Bypass  
**Monitoring Period:** Jan-24  
**EPL Number:** 21766  
**Licensee:** Gamuda Berhad and Ferrovia Agroman (Australia) Pty. Ltd.  
**Premise Address:** Coffs Harbour NSW 2450  
**Public Register:** <https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21766&id=21766&option=licence&searchrange=licence&range=POEO%20licence&prp=no&status=Issued>

**Relevant EPL Condi** L5.1-L5.4

Blast Location	Date	Time	Monitoring Location	Vibration Limit (mm/s)	Ground Vibration Result (mm/s)	Airblast Overpressure Limit (dBL)	Airblast Overpressure Result (dBL)	Comments
Cut 4	9/01/2024	2:30 PM	52 Buchanans Road	10	2.47	125	111.8	Compliant.
			56 Buchanans Road	10	2.23	125	112.1	Compliant.
			60 Buchanans Road	10	2.18	125	109.1	Compliant.
Cut 4	24/01/2024	2:45 PM	52 Buchanans Road	10	4.86	125	113.3	Compliant.
			56 Buchanans Road	10	2.9	125	114.2	Compliant.
			60 Buchanans Road	10	2.84	125	111.9	Compliant.
Cut 4	31/01/2024	2:30 PM	52 Buchanans Road	10	7.96	125	113.8	Compliant.
			56 Buchanans Road	10	7.05	125	117.5	Compliant.
			60 Buchanans Road	10	7.95	125	112.6	Compliant.