

Environment Protection Licence Monitoring Data - Water



Project Name:	Coffs Harbour Bypass
Monitoring Period:	Feb-25
EPL Number:	21766
Licensor:	Gamuda Berhad and Ferrovial Agroman (Australia) Pty. Ltd.
Premise Address:	Coffs Harbour NSW 2450
Public Register:	https://eppl.nsw.gov.au/proposals/Detail.aspx?trialid=21766&id=21766&option=licence&search=range/licence&range=POE%20licence&aprm=0&status=issued
Relevant EPL Condition/s:	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
			Results	Licence Limit	Results	Licence Limit	Results	Licence Limit	Results	Licence Limit				
B15900R	1	3/02/2025	45		NA		7.6		nil		NA	NA	NA	
B11000R	1	3/02/2025	30		NA		7.4		nil		NA	NA	NA	
B20300R	1	5/02/2025	3.9		NA		7		nil		NA	NA	NA	
B20700R	1	5/02/2025	10		NA		7.8		nil		NA	NA	NA	
B21100L	1	5/02/2025	2.9		NA		7.2		nil		NA	NA	NA	
BMC1000	1	5/02/2025	9.3		NA		7.1		nil		NA	NA	NA	
B10700R	1	6/02/2025	13		NA		8.2		nil		NA	NA	NA	
B16100R	1	7/02/2025	30		NA		7.7		nil		NA	NA	NA	
B16650R	1	10/02/2025	26		NA		8.2		nil		NA	NA	NA	
B16600R	1	10/02/2025	31		NA		7.9		nil		NA	NA	NA	
B11450R	1	10/02/2025	20		NA		7.7		nil		NA	NA	NA	
B11000R	1	10/02/2025	14		NA		7.5		nil		NA	NA	NA	
B15900R	1	14/02/2025	35		NA		7.5		nil		NA	NA	NA	
B14800R	1	17/02/2025	27		NA		8.2		nil		NA	NA	NA	
B11450R	1	18/02/2025	9		NA		7.7		nil		NA	NA	NA	
B11600R	1	18/02/2025	30		NA		7.7		nil		NA	NA	NA	
B11450R	1	20/02/2025	10		NA		6.7		nil		NA	NA	NA	
B10700R	1	21/02/2025	18		NA		7.4		nil		NA	NA	NA	
B10700R	1	24/02/2025	24		NA		7.1		nil		NA	NA	NA	
B16100R	1	26/02/2025	42		NA		7.7		nil		NA	NA	NA	
B12250R	1	26/02/2025	30		NA		8		nil		NA	NA	NA	
B11450R	1	26/02/2025	10		NA		7.8		nil		NA	NA	NA	
B16100R	1	26/02/2025	21		NA		7.7		nil		NA	NA	NA	
B11000R	1	27/02/2025	14		NA		7		nil		NA	NA	NA	

High Efficiency Sediment Basins (Type B):

Discharge point	Monitoring Point	Date	Total Suspended Solids (mg/L)	pH	Oil & Grease	Monitoring Frequency	Comment
HEB 15000R	4	13/02/2025	12	7.20	nil	Special Frequency 2	
HEB 17700R	4	13/02/2025	98	7.30	nil	Special Frequency 2	
HEB18100R	4	13/02/2025	18	7.90	nil	Special Frequency 2	
HEB21750L	4	13/02/2025	68	6.30	nil	Special Frequency 4	

Water Treatment Plants:

Discharge point	Monitoring Point	Date	TSS (mg/L)	pH	Oil & Grease	Arsenic (mg/L)	Cadmium (mg/L)	Chromium VI (mg/L)	Chromium III (mg/L)	Copper (mg/L)	Iron (mg/L)	Lead (mg/L)	Manganese (mg/L)	Mercury (mg/L)	Nickel (mg/L)	Zinc (mg/L)
Shepards S	3	27/02/2025	7	8.1	Nil	<0.012	<0.002	0.004	0.086	0.012	0.019	<0.008	0.1	<0.0001	0.005	0.02
Shepards N	3	26/02/2025	10	7.7	Nil	<0.012	<0.002	0.017	0.016	0.004	<0.003	<0.008	0.018	<0.0001	<0.004	0.006

Environment Protection Licence Monitoring Data - Air

Project Name:	Coffs Harbour Bypass
Monitoring Period:	Jan-25
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/prpoeapp/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 ³ /month)	Monitoring Frequency	Rolling Average Criteria	Annual Rolling Average	Comment
DDG1	22/01/2025	19/02/2025	18/03/2025	2.1	Monthly	3.06	1.2	
DDG2	22/01/2025	19/02/2025	18/03/2025	4.1	Monthly	3.59	3.7	Exceedance of monthly criteria due to nearby JV works, review of construction methodologies and dust controls undertaken.
DDG3	22/01/2025	19/02/2025	18/03/2025	0.74	Monthly	2.68	1.3	
DDG4	22/01/2025	19/02/2025	18/03/2025	1.3	Monthly	3.25	1.4	
DDG5	22/01/2025	19/02/2025	18/03/2025	0.53	Monthly	2.91	0.6	
DDG6	22/01/2025	19/02/2025	18/03/2025	0.62	Monthly	2.84	0.6	
DDG7	22/01/2025	19/02/2025	18/03/2025	2.7	Monthly	2.68	2	
DDG8	22/01/2025	19/02/2025	18/03/2025	0.6	Monthly	2.87	1.0	
DDG9	22/01/2025	19/02/2025	18/03/2025	0.65	Monthly	2.19	1.1	
DDG10	22/01/2025	19/02/2025	18/03/2025	0.77	Monthly	2.28	2.1	
DDG10.5	22/01/2025	19/02/2025	18/03/2025	0.65	Monthly	2.28	0.7	
DDG11	22/01/2025	19/02/2025	18/03/2025	2.7	Monthly	2.22	1.4	
DDG11.5	22/01/2025	19/02/2025	18/03/2025	0.85	Monthly	2.22	1.3	
DDG12	22/01/2025	19/02/2025	18/03/2025	1.2	Monthly	2.43	2.4	
DDG13	22/01/2025	19/02/2025	18/03/2025	0.57	Monthly	2.26	1.3	
DDG14	22/01/2025	19/02/2025	18/03/2025	0.7	Monthly	2.45	1.7	
DDG15	22/01/2025	19/02/2025	18/03/2025	0.65	Monthly	2.83	1	
DDG16	22/01/2025	19/02/2025	18/03/2025	2.8	Monthly	3.59	2.9	

Environment Protection Licence Monitoring Data - Noise

Project Name:	Coffs Harbour Bypass
Monitoring Period:	Feb-25
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&pre=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)	Estimated Construction Contribution (dBA)	Comment
On site (approx. 135m from works)	17	OOH Verification	P1.2	Tunnelling: Mucking/Bogging out and spoil haulage	6/02/2025	10:34 PM	Attended	LAeq	35	52	44-46dBA at resident	CNVIS noise model to be updated with bog machine (SPL) to assess impacts.
On site (approx. 220m from works)	19					10:57 PM			35	50	46-48dBA at resident	
On site (approx. 160m from works)	17					11:29 PM			35	88	49dBA at resident	

Environment Protection Licence Monitoring Data - Vibration



Project Name:	Coffs Harbour Bypass
Monitoring Period:	Feb-25
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 Condition/s:	M4.1 - M4.4

Monitoring Location	Purpose	Relevant EPL Clause	Works Monitored	Date	Time	Attended or Unattended	Parameter	Vibration Criteria	Maximum Vibration Measured	Comment
South	Verification Monitoring	M7.7	Earthworks and fill compaction	4/02/2025 - Ongoing	11:00 AM - Ongoing	Unattended	mm/s	0.40 m/s ^{1.75} 7.5 mm/s	0.23 m/s ^{1.75} 7 mm/s	Monitoring ongoing into March. Peaks recorded on 18/02 for PPV and 19/02 for VDV.

[illegible]

Environment Protection Licence Monitoring Data - Blasting (Civil)

Project Name:	Coffs Harbour Bypass
Monitoring Period:	Feb-25
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:	L5.1-L5.4

Blast Location	Blast Ref	Date	Time	Monitoring Location	Vibration Limit (mm/s)	Ground Vibration Result (mm/s)	Airblast Overpressure Limit (dBL)	Airblast Overpressure Result (dBL)	Comments
Cut 9	Blast 1	18/02/2025	2:15	81 Spagnollos Road	10	7.981	120	114.7	