

## Environment Protection Licence Monitoring Data - Water



<b>Project Name:</b>	Coffs Harbour Bypass
<b>Monitoring Period:</b>	Oct-25
<b>EPL Number:</b>	21766
<b>Licensee:</b>	Gamuda Berhad and Ferrovial Agroman (Australia) Pty. Ltd.
<b>Premise Address:</b>	Coffs Harbour NSW 2450
<b>Public Register:</b>	<a href="https://epqs.nps.nsw.gov.au/prpocapp/Detail.aspx?instid=21766&amp;id=21766&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;rp=no&amp;status=Issued">https://epqs.nps.nsw.gov.au/prpocapp/Detail.aspx?instid=21766&amp;id=21766&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;rp=no&amp;status=Issued</a>
<b>Relevant EPL Condition/s:</b>	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					
B11450R	1	10/8/2025	36		NA		6.8		nil		NA	NA	NA		
B11450R	1	10/9/2025	32		NA		7		nil		NA	NA	NA		
B11000R	1	10/14/2025	21		NA		6.9		nil		NA	NA	NA		
B11450R	1	10/14/2025	51		NA		7.1		nil		NA	NA	NA		
B11000R	1	10/31/2025	23		NA		7.5		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
No Discharges							

### 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)
Rob S	3	10/16/2025	230	7.5	Nil	<0.010	<0.002	<0.010	<0.005	0.002	<0.004	<0.006	0.002	<0.0001	<0.005	<0.002
Rob S	3	10/16/2025	<2	7.2	Nil	<0.010	<0.002	<0.010	<0.005	0.002	<0.004	<0.006	0.006	<0.0001	<0.005	0.002
Rob S	3	10/16/2025	<2	7.3	Nil	<0.010	<0.002	<0.010	<0.005	0.002	<0.004	<0.006	0.006	<0.0001	<0.005	0.003

## Environment Protection Licence Monitoring Data - Air



<b>Project Name:</b>	Coffs Harbour Bypass
<b>Monitoring Period:</b>	Oct-25
<b>EPL Number:</b>	21766
<b>Licensee:</b>	Gamuda Berhad and Ferrovia Agroman (Australia) Pty. Ltd.
<b>Premise Address:</b>	Coffs Harbour NSW 2450
<b>Public Register:</b>	<a href="https://apps.epa.nsw.gov.au/prpoeapp/Detail.aspx?instid=21766&amp;id=21766&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=issued">https://apps.epa.nsw.gov.au/prpoeapp/Detail.aspx?instid=21766&amp;id=21766&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=issued</a>
<b>Relevant EPL Condition/s:</b>	M2.2

Monitoring Point	Start Date	End Date	Date Data Obtained	Solid Particles (g/m <sup>3</sup> /month)	Monitoring Frequency	Rolling Average Criteria	Annual Rolling Average	Comment
DDG1	16/09/2025	15/10/2025	5/11/2025	0.47	Monthly	3.06	0.8	
DDG2	16/09/2025	15/10/2025	5/11/2025	1.6	Monthly	3.59	2.5	
DDG3	16/09/2025	15/10/2025	5/11/2025	0.63	Monthly	2.68	0.8	
DDG4	16/09/2025	15/10/2025	5/11/2025	0.17	Monthly	3.25	0.8	
DDG5	16/09/2025	15/10/2025	5/11/2025	0.29	Monthly	2.91	0.5	
DDG6	16/09/2025	15/10/2025	5/11/2025	0.35	Monthly	2.84	0.5	
DDG7	16/09/2025	15/10/2025	5/11/2025	4.1	Monthly	2.68	1.7	
DDG8	16/09/2025	15/10/2025	5/11/2025	0.71	Monthly	0.6	0.7	
DDG9	16/09/2025	15/10/2025	5/11/2025	1.2	Monthly	1.6	1.6	
DDG10	16/09/2025	15/10/2025	5/11/2025	0.29	Monthly	1.8	1.2	
DDG10.5	16/09/2025	15/10/2025	5/11/2025	1.2	Monthly	0.7	0.6	
DDG11	16/09/2025	15/10/2025	5/11/2025	4.1	Monthly	1.5	1.5	
DDG11.5	16/09/2025	15/10/2025	5/11/2025	1.2	Monthly	1.4	1	
DDG12	16/09/2025	15/10/2025	5/11/2025	0.5	Monthly	2	1.8	
DDG13	16/09/2025	15/10/2025	5/11/2025	0.21	Monthly	1.4	1	
DDG14	16/09/2025	15/10/2025	5/11/2025	0.82	Monthly	1.6	0.8	
DDG15	16/09/2025	15/10/2025	5/11/2025	0.78	Monthly	1.1	0.8	
DDG16	16/09/2025	15/10/2025	5/11/2025	0.58	Monthly	3.59	2.2	

Environment Protection Licence Monitoring Data - Noise



Project Name:	Coffs Harbour Bypass
Monitoring Period:	Oct-25
EPL Number:	21766
Licensee:	Gamuda Berhad and Ferroviel Agroman (Australia) Pty. Ltd.
Premise Address:	Coffs Harbour NSW 2450
Public Register:	<a href="https://epcs.epa.nsw.gov.au/epceapp/Detail.aspx?instid=21766&amp;id=21766&amp;option=licence&amp;searchrange=licence&amp;range=POE%20licence&amp;ppr=no&amp;status=Issued">https://epcs.epa.nsw.gov.au/epceapp/Detail.aspx?instid=21766&amp;id=21766&amp;option=licence&amp;searchrange=licence&amp;range=POE%20licence&amp;ppr=no&amp;status=Issued</a>
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	
570 Pac Highway, Boambee	2	Verification for use of hammer for ITS works	L6.5	Excavator with hammer	10/27/2025	7:50 PM	Attended	LAeq	73	74	77 @ monitoring location	Monitoring location at 17m away from hammer, receiver an additional 35m away from monitoring location (approx. 52m away from noise source). Inverse law reduction (6db every time distance doubled) of 12dba applied, 65dba at receiver.	
				Excavator with hammer		8:07 PM				73			
				Excavator with hammer, loading spoil/rock and sucker truck		9:00 PM				73			78 @ monitoring location
On site (approx. 41 from works in front of the teacher's demountable at Kororo Public School)	26	Verification	L6.5	2B Traffic Staging Works (Barriers, Profiling, AC Paving)	21/10/2025 - 22/10/2025 22/10/2025 - 23/10/2025 23/10/2025 - 24/10/2025	6:00 PM - 7:00 AM	Unattended	LAeq	66	61	<66 dBA	Ngara set up in front of Kororo School. Average SWLs during works reported for each noise parameter for each night.	
										60			<66 dBA
										59			<59dBA
2 Mitch Place	24	Verification	L6.5	2B Traffic Staging Works (Barriers, Profiling, AC Paving)	23/10/2025 - 24/10/2025	6:00 PM - 4:15 AM	Unattended	LAeq	59	53	<59dBA	Average SWLs reported for each noise parameter during works.	
63 Rovere Drive	16	Verification	L6.5	BR12 Girder delivery	10/31/2025	6.13AM	Attended	LAeq	50	52	48dBA	Monitoring location 104m from noise source, and 6m in front of 63 Rovere Drive. Prediction at 63 Rovere drive = 50dBA. Works measured at 48dBA at monitoring location 6m closer to works, therefore compliant. Prediction at 62 Rovere Drive (between monitoring point and works) 56db. Monitoring location 39m from the receiving wall of 62 Rovere drive. As the location was 104m away from works, prediction for half that distance = 52 dBA (6db for every doubling in distance). As the prediction for 62 Rovere was 56, and is only 39m away from the monitoring location, and the monitoring shows compliance at a prediction of 54 (48+6) at 52m away, the monitoring shows compliance at 62 Rovere drive (moderately intrusive prediction).	

## Environment Protection Licence Monitoring Data - Vibration



<b>Project Name:</b>	Coffs Harbour Bypass
<b>Monitoring Period:</b>	Oct-25
<b>EPL Number:</b>	21766
<b>Licensee:</b>	Gamuda Berhad and Ferrovial Agroman (Australia) Pty. Ltd.
<b>Premise Address:</b>	Coffs Harbour NSW 2450
<b>Public Register:</b>	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21766&amp;id=21766&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;orp=no&amp;status=Issued">https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21766&amp;id=21766&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;orp=no&amp;status=Issued</a>
<b>Relevant EPL Condition/s:</b>	M4.1 - M4.4

Monitoring Location	Purpose	Relevant EPL Clause	Works Monitored	Date	Time	Attended or Unattended	Parameter	Vibration Criteria	Maximum Vibration Measured	Comment
10 Russ Hammond Close	Response to Complaint	M7.7	Earthworks and fill compaction	13/10/2025 - Ongoing	12:00PM - Ongoing	Unattended	Human Comfort (VDV) & Property Damage (PPV)	0.40 m/s <sup>1.75</sup> 7.5 mm/s	0.04 m/s 1.75 3 mm/s	Compliant



## Environment Protection Licence Monitoring Data - Blasting (Civil)



<b>Project Name:</b>	Coffs Harbour Bypass
<b>Monitoring Period:</b>	Oct-25
<b>EPL Number:</b>	21766
<b>Licensee:</b>	Gamuda Berhad and Ferrovial Agroman (Australia) Pty. Ltd.
<b>Premise Address:</b>	Coffs Harbour NSW 2450
<b>Public Register:</b>	<a href="https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21766&amp;id=21766&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued">https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=21766&amp;id=21766&amp;option=licence&amp;searchrange=licence&amp;range=POEO%20licence&amp;prp=no&amp;status=Issued</a>
<b>Relevant EPL Condition/s:</b>	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
No Blasting									