

Environment Protection Licence Monitoring Data - Water



Project Name:	Coffs Harbour Bypass
Monitoring Period:	Oct-24
EPL Number:	21766
Licence:	Gannata Berhad and Ferrovial Agronom (Australia) Pty. Ltd.
Premise Address:	Coffs Harbour NSW 2450
Public Register:	<a href="https://apps.epa.nsw.gov.au/proseapp/Detail.aspx?nsid=21766&amp;id=21766&amp;option=licences&amp;searchrange=licence&amp;range=POEO%20licence&amp;page=status&amp;issu=">https://apps.epa.nsw.gov.au/proseapp/Detail.aspx?nsid=21766&amp;id=21766&amp;option=licences&amp;searchrange=licence&amp;range=POEO%20licence&amp;page=status&amp;issu=</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
			Results	License Limit	Results	License Limit	Results	License Limit	Results	License Limit				
B1300R	1	1/10/2024	35.4	NA	NA	7.1	nil	NA	NA	NA	NA	NA	NA	
B17700 (HES Type B)	1	1/10/2024	27.2	NA	NA	7.1	nil	NA	NA	NA	NA	NA	NA	
B20750R	1	1/10/2024	24	NA	NA	7.2	nil	NA	NA	NA	NA	NA	NA	
B18650 (HES Type B)	1	2/10/2024	22.6	NA	NA	8	nil	NA	NA	NA	NA	NA	NA	
B20750R	1	2/10/2024	25	NA	NA	8.2	nil	NA	NA	NA	NA	NA	NA	
B20700L	1	2/10/2024	45	NA	NA	8	nil	NA	NA	NA	NA	NA	NA	
B15300R	1	2/10/2024	58	NA	NA	7.6	nil	NA	NA	NA	NA	NA	NA	
B11450R	1	2/10/2024	42	NA	NA	6.7	nil	NA	NA	NA	NA	NA	NA	
B12600L	1	2/10/2024	32	NA	NA	7.4	nil	NA	NA	NA	NA	NA	NA	
BMC100	1	3/10/2024	35	NA	NA	7.5	nil	NA	NA	NA	NA	NA	NA	
B11600R	1	4/10/2024	45	NA	NA	7.5	nil	NA	NA	NA	NA	NA	NA	
B14500R	1	4/10/2024	17.2	NA	NA	7.1	nil	NA	NA	NA	NA	NA	NA	
B13950R	1	4/10/2024	40	NA	NA	7.38	nil	NA	NA	NA	NA	NA	NA	
B21100L	1	4/10/2024	25	NA	NA	7.8	nil	NA	NA	NA	NA	NA	NA	
B20300R	1	4/10/2024	50	NA	NA	7.9	nil	NA	NA	NA	NA	NA	NA	
B10700R	1	8/10/2024	24	NA	NA	7.3	nil	NA	NA	NA	NA	NA	NA	
B13500L	1	8/10/2024	24	NA	NA	7.5	nil	NA	NA	NA	NA	NA	NA	
B12100R	1	8/10/2024	27	NA	NA	7.9	nil	NA	NA	NA	NA	NA	NA	
B14000R	1	8/10/2024	22	NA	NA	6.9	nil	NA	NA	NA	NA	NA	NA	
B12600L	1	8/10/2024	14.5	NA	NA	7.2	nil	NA	NA	NA	NA	NA	NA	
B11450R	1	8/10/2024	12	NA	NA	7.1	nil	NA	NA	NA	NA	NA	NA	
B11000R	1	9/10/2024	50	NA	NA	6.9	nil	NA	NA	NA	NA	NA	NA	
B12600L	1	10/10/2024	59	NA	NA	8.4	nil	NA	NA	NA	NA	NA	NA	
B11450R	1	11/10/2024	50	NA	NA	6.8	nil	NA	NA	NA	NA	NA	NA	
B11000R	1	11/10/2024	19	NA	NA	6.8	nil	NA	NA	NA	NA	NA	NA	
B13500L	1	11/10/2024	27	NA	NA	7.4	nil	NA	NA	NA	NA	NA	NA	
B12600L	1	14/10/2024	27	NA	NA	7.9	nil	NA	NA	NA	NA	NA	NA	
B11450R	1	14/10/2024	34	NA	NA	7.5	nil	NA	NA	NA	NA	NA	NA	
B11600R	1	14/10/2024	36	NA	NA	7.2	nil	NA	NA	NA	NA	NA	NA	
B11000R	1	14/10/2024	14	NA	NA	7.1	nil	NA	NA	NA	NA	NA	NA	
B10700R	1	14/10/2024	50	NA	NA	7.9	nil	NA	NA	NA	NA	NA	NA	
B21100L	1	14/10/2024	24	NA	NA	8.3	nil	NA	NA	NA	NA	NA	NA	
B18250R	1	14/10/2024	24	NA	NA	7.1	nil	NA	NA	NA	NA	NA	NA	
B18200R	1	14/10/2024	24	NA	6	7.5	nil	NA	NA	NA	NA	NA	NA	
B14150R	1	14/10/2024	44	NA	NA	7.9	nil	NA	NA	NA	NA	NA	NA	
B16650R	1	14/10/2024	20	NA	NA	7.6	nil	NA	NA	NA	NA	NA	NA	
B17700 (HES Type B)	1	15/10/2024	20.3	NA	NA	7.1	nil	NA	NA	NA	NA	NA	NA	
B18200R	1	15/10/2024	6.98	NA	NA	6.7	nil	NA	NA	NA	NA	NA	NA	
B13000R	1	15/10/2024	58	NA	NA	7.4	nil	NA	NA	NA	NA	NA	NA	
B11450R	1	15/10/2024	41	NA	NA	7.7	nil	NA	NA	NA	NA	NA	NA	
B12600L	1	15/10/2024	50	NA	NA	7.6	nil	NA	NA	NA	NA	NA	NA	
B15500L	1	16/10/2024	45	NA	NA	7.8	nil	NA	NA	NA	NA	NA	NA	
B17700 (HES Type B)	1	16/10/2024	37	NA	NA	7.1	nil	NA	NA	NA	NA	NA	NA	
B16650R	1	17/10/2024	35	NA	NA	7.6	nil	NA	NA	NA	NA	NA	NA	
B14300R	1	17/10/2024	35	NA	NA	8.5	nil	NA	NA	NA	NA	NA	NA	
B16650R	1	18/10/2024	35	NA	NA	7.6	nil	NA	NA	NA	NA	NA	NA	
B14800R	1	21/10/2024	60	NA	NA	7.6	nil	NA	NA	NA	NA	NA	NA	
B20300R	1	21/10/2024	30	NA	NA	8.3	nil	NA	NA	NA	NA	NA	NA	
B12600L	1	21/10/2024	50	NA	NA	7.8	nil	NA	NA	NA	NA	NA	NA	
B15900R	1	21/10/2024	17	NA	NA	7.7	nil	NA	NA	NA	NA	NA	NA	
B11000R	1	22/10/2024	14	NA	NA	7.1	nil	NA	NA	NA	NA	NA	NA	
B12600L	1	22/10/2024	17	NA	NA	7.2	nil	NA	NA	NA	NA	NA	NA	
B14800R	1	23/10/2024	45	NA	NA	7.6	nil	NA	NA	NA	NA	NA	NA	
B11600R	1	23/10/2024	50	NA	NA	7.9	nil	NA	NA	NA	NA	NA	NA	
B14800R	1	24/10/2024	35	NA	NA	8.3	nil	NA	NA	NA	NA	NA	NA	
B15900R	1	24/10/2024	29	NA	NA	7.6	nil	NA	NA	NA	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	10/10/2024	3	8.05	nil	Special Frequency 2	
HEB 17700R	4	10/10/2024	23	7.99	nil	Special Frequency 2	
HEB18100R	4	10/10/2024	8	7.78	nil	Special Frequency 2	
HEB 18650R	4	10/10/2024	4	7.65	nil	Special Frequency 2	
HEB21750L	4	10/10/2024	3	7.97	nil	Special Frequency 2	
HEB 15000R	4	10/13/2024	5	6.86	nil	Special Frequency 2	
HEB 17700R	4	10/13/2024	26	6.38	nil	Special Frequency 2	
HEB18100R	4	10/13/2024	10	7.65	nil	Special Frequency 2	
HEB 18650R	4	10/13/2024	11	7.47	nil	Special Frequency 2	
HEB21750L	4	10/13/2024	14	7.56	nil	Special Frequency 2	

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)	Monitoring Frequency	Comment
			50	6.5 to 8.5	None Visible	0.05	0.014	0.07	0.15	0.04	1.5	0.03	2.5	0.0007	0.2	0.15	N/A	
WTP-01-GN	3	9/16/2024	5	7.3	NI	<0.012	<0.002	<0.010	0.04	0.004	0.049	<0.008	0.028	<0.0001	<0.004	0.004	Special Frequency 1	
WTP-02-GN	3	9/16/2024	17	6.8	NI	<0.012	<0.002	0.023	0.023	0.008	0.2	<0.008	0.15	<0.0001	<0.004	0.025		

## Environment Protection Licence Monitoring Data - Air



**Project Name:** Coffs Harbour Bypass  
**Monitoring Period:** Oct-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=1&status=Issued>  
**Relevant EPL Condition/s:** 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	20-09-24	20-10-24	12-11-24	2.2	Monthly	3.06	1.2	
DDG2	20-09-24	20-10-24	12-11-24	6	Monthly	3.59	3.2	
DDG3	20-09-24	20-10-24	12-11-24	4.9	Monthly	2.68	1.1	
DDG4	20-09-24	20-10-24	12-11-24	2.9	Monthly	3.25	1.4	
DDG5	20-09-24	20-10-24	12-11-24	0.59	Monthly	2.91	0.5	
DDG6	20-09-24	20-10-24	12-11-24	1.5	Monthly	2.84	0.5	
DDG7	20-09-24	20-10-24	12-11-24	2.1	Monthly	2.68	1.6	
DDG8	20-09-24	20-10-24	12-11-24	1.3	Monthly	2.87	1.0	
DDG9	20-09-24	20-10-24	12-11-24	1.6	Monthly	2.19	0.8	
DDG10	20-09-24	20-10-24	12-11-24	7.1	Monthly	2.28	1.9	
DDG10.5	20-09-24	20-10-24	12-11-24	1.3	Monthly	2.28	0.6	
DDG11	20-09-24	20-10-24	12-11-24	2.9	Monthly	2.22	1.3	
DDG11.5	20-09-24	20-10-24	12-11-24	3.8	Monthly	2.22	1.2	
DDG12	20-09-24	20-10-24	12-11-24	1.3	Monthly	2.43	2.3	
DDG13	20-09-24	20-10-24	12-11-24	7.8	Monthly	2.26	1.2	
DDG14	20-09-24	20-10-24	12-11-24	1.4	Monthly	2.45	1.5	
DDG15	20-09-24	20-10-24	12-11-24	3.9	Monthly	2.83	0.9	
DDG16	20-09-24	20-10-24	12-11-24	1.3	Monthly	2.68	2.7	

Environment Protection Licence Monitoring Data - Noise



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**Relevant EPL Conditions:** 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	
KHI Eastern Rounabout (approx. 7.5-10m from plant)	20 / 23	Verification	P1.2	Asphalt Paver Warm Up	4/10/2024	2:04 PM	Attended	L <sub>Aeq</sub>	83dBA @ 7m	70	72dBA at 7m	SWL compliant with model.	
						2:06 PM				70			
						2:07 PM				71			
KHI Eastern Rounabout (approx. 40m from works)				2:11 PM		Asphalting paving			70	72	71		Monitored noise levels in line with prediction.
KHI Eastern Rounabout (approx. 60m from works)				2:32 PM		Asphalting paving			66	66	66		Monitored noise levels in line with prediction.
	84m from works	23	Verification		P1.2		BR 24 Truss Lift	20/10/2024				1:22 AM	
1:42 AM				59									
2:02 AM				54									
34m (back of generator)	8/6	Spot Check	P1.2	Asphalt Batch Plant Generator	24/10/2024	12:15 PM	Attended	107 SWL	68	67	56	SWL below prediction.	
40m (front of generator)	8/6								59				

