

Environment Protection Licence Monitoring Data - Water



Project Name:	Coffs Harbour Bypass
Monitoring Period:	Aug-24
EPL Number:	21766
Licensee:	Garmuda Berhad and Ferrovial Agroman (Australia) Pty. Ltd.
Premise Address:	Coffs Harbour NSW 2450
Public Register:	https://apps.epa.nsw.gov.au/proposalop/Detail.aspx?netid=21766&id=21766&option=licence&searchrange=licence&range=POEO%20licence&prp=no&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				
B21100L	1	05/08/2024	24		NA		6.5		nil	NA	NA	NA	
B21100L	1	15/08/2024	10.9		NA		8.2		nil	NA	NA	NA	
B20750R	1	15/08/2024	12.9		NA		7.3		nil	NA	NA	NA	
B21100L	1	19/08/2024	7.56		NA		8.2		nil	NA	NA	NA	
B20750R	1	19/08/2024	12.3		NA		7.9		nil	NA	NA	NA	
B20300R	1	19/08/2024	12.3		NA		7.5		nil	NA	NA	NA	
B14500R	1	19/08/2024	44.8		NA		6.8		nil	NA	NA	NA	
B11450R	1	19/08/2024	23.1		NA		6.97		nil	NA	NA	NA	
B11000R	1	19/08/2024	52.4		NA		6.82		nil	NA	NA	NA	
B18200R	1	20/08/2024	9		NA		7.5		nil	NA	NA	NA	
B18250R	1	20/08/2024	45		NA		7.2		nil	NA	NA	NA	
B16600R	1	20/08/2024	23		NA		8.49		nil	NA	NA	NA	
B18000R	1	21/08/2024	9		NA		7.4		nil	NA	NA	NA	
B18250R	1	21/08/2024	42		NA		7.3		nil	NA	NA	NA	
B19000R	1	22/08/2024	7		NA		7.2		nil	NA	NA	NA	
B18250R	1	23/08/2024	38		NA		7.3		nil	NA	NA	NA	
B20750R	1	23/08/2024	12.4		NA		7.9		nil	NA	NA	NA	
B15300R	1	27/08/2024	NA		NA		8.5		nil	NA	NA	NA	
B14100L	1	28/08/2024	57		NA		8.3		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	8/12/2024	7	6.89	nil	Special Frequency 2	
HEB 17700R	4	8/12/2024	23	6.51	nil	Special Frequency 2	
HEB21750L	4	8/12/2024	9	6.69	nil	Special Frequency 2	
HEB 15000R	4	8/13/2024	1276	7.77	nil	Special Frequency 2	
HEB 17700R	4	8/13/2024	184	7.85	nil	Special Frequency 2	
HEB18100R	4	8/13/2024	58	7.92	nil	Special Frequency 2	
HEB18650L	4	8/13/2024	236	7.6	nil	Special Frequency 2	
HEB21750L	5	8/14/2024	22	7.53	nil	Special Frequency 3	

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	N/A
WTP-01-GN	3	8/20/2024	6	7.6	nil	<0.012	<0.002	0.036	0.016	0.004	0.064	<0.008	0.13		<0.004	0.003	Special Frequency 1	

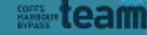
Environment Protection Licence Monitoring Data - Air



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Public Register: https://apps.epa.nsw.gov.au/prpococapp/Detail.aspx?instid=21766&id=21766&option=licence&searchrange=licence&range=POEC%20licence&prn_o&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	7/25/2024	8/22/2024	8/30/2024	0.8	Monthly	3.06	1.3	
DDG2	7/25/2024	8/22/2024	8/30/2024	3.4	Monthly	3.59	4	
DDG3	7/25/2024	8/22/2024	8/30/2024	0.6	Monthly	2.68	0.8	
DDG4	7/25/2024	8/22/2024	8/30/2024	1.6	Monthly	3.25	1.7	
DDG5	7/25/2024	8/22/2024	8/30/2024	0.4	Monthly	2.91	0.5	
DDG6	7/25/2024	8/22/2024	8/30/2024	0.6	Monthly	2.84	0.5	
DDG7	7/25/2024	8/22/2024	8/30/2024	1.2	Monthly	2.68	1.4	
DDG8	7/25/2024	8/22/2024	8/30/2024	0.6	Monthly	2.87	1.0	
DDG9	7/25/2024	8/22/2024	8/30/2024	0.5	Monthly	2.19	0.9	
DDG10	7/25/2024	8/22/2024	8/30/2024	1.1	Monthly	2.28	1.9	
DDG10.5	7/25/2024	8/22/2024	8/30/2024	0.4	Monthly	2.28	1.3	
DDG11	7/25/2024	8/22/2024	8/30/2024	1.2	Monthly	2.22	1.4	
DDG11.5	7/25/2024	8/22/2024	8/30/2024	0.9	Monthly	2.22	1.3	
DDG12	7/25/2024	8/22/2024	8/30/2024	1.2	Monthly	2.43	0.8	
DDG13	7/25/2024	8/22/2024	8/30/2024	1.6	Monthly	2.26	1.3	
DDG14	7/25/2024	8/22/2024	8/30/2024	1.6	Monthly	2.45	1	
DDG15	7/25/2024	8/22/2024	8/30/2024	0.9	Monthly	2.83	0.7	
DDG16	7/25/2024	8/22/2024	8/30/2024	3.1	Monthly	2.68	2.7	

Environment Protection Licence Monitoring Data - Noise



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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
Mackays Road (approx. 10m from pump)	N/A	Spot Check	P1.2	6" Pump	15/08/2024	11:43 AM	Attended	LAeq1min	68	58	58	SPL of 58dba recorded from 10m away from noise source. SWL of 86dBA calculated from SPL.
Southern tie in	2	Spot Check/Verification of new plant	P1.2	Underbore	8/23/2024	7:10 AM	Attended	LAeq5min	NA	62	62	SPL of 62dba recorded from 20m away from noise source. SWL of 96dBA calculated from SPL.
KH1 roundabout (approx. 10-15m from works)	20 / 23	Verification of new activity	P1.2	Kerb pour (concrete agitator, kerb machine & shovels)	30/08/2024	11:43 AM	Attended	LAeq15min	80	67	67	Recorded noise level below prediction.

