



## Environment Protection Licence Monitoring Data - Blasting

**Project Name:** Coffs Harbour Bypass  
**Monitoring Period:** Oct-23  
**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=POE0%20licence&prp=no&status=Issued>  
**Relevant EPL Condition/s:** 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	11/7/2023	14:30	52 Buchanans Road	10	5.15	125	114.4	Compliant.
			56 Buchanans Road	10	6.98	125	112	Compliant.
			60 Buchanans Road	10	2.64	125	109.3	Compliant.
Cut 16	11/9/2023	14:15	53 Bruxner Park Road	10	4.974	125	114.4	Compliant.
			15 Bruxner Park Road	10	4.913	125	98.2	Compliant.
			108 West Korora Rd	10	1.576	125	113.2	Compliant.
Cut 16	11/16/2023	14:15	53 Bruxner Park Road	10	3.682	125	114	Compliant.
			15 Bruxner Park Road	10	3.3	125	114	Compliant.
			108 West Korora Rd	10	1.576	125	98.8	Compliant.
Cut 4	11/28/2023	14:15	52 Buchanans Road	10	4.550	125	115.100	Compliant.
			56 Buchanans Road	10	7.800	125	114.500	Compliant.
			60 Buchanans Road	10	6.670	125	111.500	Compliant.
Cut 16	11/28/2023	14:15	53 Bruxner Park Road	10	2.747	125	91.5	Compliant.
			15 Bruxner Park Road	10	3.988	125	112.3	Compliant.
			108 West Korora Rd	10	5.215	125	109.9	Compliant.

Environment Protection Licence Monitoring Data - Water



<b>Project Name:</b>	Coffs Harbour Bypass
<b>Monitoring Period:</b>	Nov-23
<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?nstdid=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?nstdid=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>	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				
B15300	1	01/11/2023	34	50	11	6.5 to 8.5	7.8	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B21050R	1	01/11/2023	17	50	11	6.5 to 8.5	7.8	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B21100L	1	02/11/2023	30	50	17	6.5 to 8.5	7.2	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B18250R	1	02/11/2023	20	50	29	6.5 to 8.5	7	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B10100	1	02/11/2023	36	50	13	6.5 to 8.5	7.1	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B11450R	1	02/11/2023	11	50	9	6.5 to 8.5	7.7	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B15000R	1	08/11/2023	18	50	7	6.5 to 8.5	7.2	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B15300R	1	08/11/2023	12	50	12	6.5 to 8.5	6.8	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B21050R	1	08/11/2023	15	50	11	6.5 to 8.5	6.5	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B18250R	1	08/11/2023	17	50	22	6.5 to 8.5	6.8	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B21100L	1	08/11/2023	6.2	50	7	6.5 to 8.5	7.6	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B11000R	1	08/11/2023	20	50	13	6.5 to 8.5	7.7	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B11450R	1	08/11/2023	8	50	9	6.5 to 8.5	7.7	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B20750	1	09/11/2023	110	50	26	6.5 to 8.5	7.3	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B21100L	1	09/11/2023	6.2	50	7	6.5 to 8.5	7.6	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B21100L	1	09/11/2023	13	50	5	6.5 to 8.5	6.8	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B21050R	1	13/11/2023	3.9	50	5	6.5 to 8.5	7	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B12600R	1	16/11/2023	3.5	50	6	6.5 to 8.5	6.8	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B21750	1	17/11/2023	10	50	5	6.5 to 8.5	7.8	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	
B20600L	1	28/11/2023	2.9	50	4	6.5 to 8.5	7.2	None Visible	nil	N/A	N/A	N/A	Compliant with discharge limits.	

Notes / Definitions / Abbreviations:

TSS	Total Suspended Solids
mg/L	milligrams per litre
µS/cm	millisiemens per centimetre
Chromium VI	Chromium (hexavalent)
Chromium III	Chromium (trivalent)
Special Frequency 1	a) less than 24 hours prior to a controlled discharge and daily for any continued controlled discharge, when it is safe to do so; and b) when rainfall causes a discharge from a sediment basin which has not been emptied within the design management period following cessation of a rainfall event, when it is safe to
Special Frequency 2	a) within 24 hours following 25mm of rainfall within a day, AND b) within 24 hours following 74.9mm of rainfall within a 5 day period
Special Frequency 3	a) only following the dosing of any water, monitored at this point, with Aluminium based flocculant; and b) less than 24 hours prior to a controlled discharge and daily for any continued controlled discharge, when it is safe to do so; and c) when rainfall causes a discharge from a sediment basin which has not been emptied within the design management period following cessation of a rainfall event, when it is safe to do so

All metal concentrations reported as dissolved metals

## Environment Protection Licence Monitoring Data - Vibration

**Project Name:** Coffs Harbour Bypass  
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**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
90m at the closest point from compaction works	Response to Complaint	M7.7	Earthworks and fill compaction	11/17/2023	2:55 PM	Unattended	Property Damage (PPV)	7.5 mm/s	0.67 mm/s	Compliant.

