

Environment Protection Licence Monitoring Data - Air



Project Name: Coffs Harbour Bypass
Monitoring Period: Oct-23
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: M2.2

| Monitoring Point | Start Date | End Date | Date Data Obtained | Solid Particles (g/m ² /month) | Monitoring Frequency | Comment |
|------------------|------------|------------|--------------------|---|----------------------|--|
| DDG1 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 2.7 | Monthly | |
| DDG2 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 2.5 | Monthly | |
| DDG3 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 1.4 | Monthly | |
| DDG4 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 4.4 | Monthly | FGJV earthworks occurring in proximity to the gauge. |
| DDG5 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 0.8 | Monthly | |
| DDG6 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 0.9 | Monthly | |
| DDG7 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 0.9 | Monthly | |
| DDG8 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 0.9 | Monthly | |
| DDG9 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 2 | Monthly | |
| DDG10 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 6.4 | Monthly | FGJV earthworks and moxy haul occurring in proximity to the gauge. |
| DDG11 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 3.7 | Monthly | FGJV earthworks occurring in proximity to the gauge. |
| DDG12 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 0 | Monthly | |
| DDG13 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 2.9 | Monthly | FGJV earthworks and moxy haul occurring in proximity to the gauge. |
| DDG14 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 1 | Monthly | |
| DDG15 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 0.8 | Monthly | |
| DDG16 | 25/09/2023 | 25/10/2023 | 6/10/2023 | 4.7 | Monthly | FGJV earthworks and moxy haul occurring in proximity to the gauge. |

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 |
|--|-------|---------------------------------|---------------------|---|------------|----------|------------------------|-----------|---------------------|----------------|---|---|
| Project boundary near 172 West Korora Road (approx. 180m from works) | 19 | Response to Community Complaint | M7.1 | Crushing operations (with excavator and FEL) | 11/10/2023 | 1:03 PM | Attended | LAeq15min | 58 | 56 | 51 | LAeq of 56 dBA at 180m equates to 51 dBA at receiver at 172 West Korora Road. Works compliant with prediction and below Highly Noise Affected threshold (75dBA) |
| Gate 20A (approx. 130m from works) | 18/19 | Response to Community Complaint | M7.1 | Crushing operations (with excavator, dozer and FEL) | 12/10/2023 | 8:26 AM | Attended | LAeq15min | 62 | 67 | 59 | LAeq of 67 dBA at 130m equates to 59 dBA at receiver at 172 West Korora Road. Works compliant with prediction and below Highly Noise Affected threshold (75dBA) |
| Bridge 19 (approx. 7m from works) | 23 | Verification of New Activity | P1.2 | Pile Breaking | 12/10/2023 | 9:29 AM | Unattended | LAeq15min | 61 | 88 | 58 | LAeq of 68dBA at 7m equates to 58dBA at the nearest sensitive receiver. |
| Lack Traffic Group Warehouse | N/A | Spot Check | P1.2 | TMA Truck | 17/10/2023 | - | Attended | LAeq15min | N/A | 63 | 63 | Sound Power Level of 87 dBA calculated based on spot check for TMA truck. |
| Adjacent to 39 Spagnolos Road | 14 | Response to Community Complaint | M7.1 | Bulk earthworks / Topsoil Strip North Coramba Road | 17/10/2023 | 1:10 PM | Attended | LAeq15min | 59 | 51 | Unable to be determined given presence of background noise. | Construction activity inaudible over extraneous background noise. |
| Adjacent to 39 Spagnolos Road | 14 | Response to Community Complaint | M7.1 | Bulk earthworks / Topsoil Strip North Coramba Road | 18/10/2023 | 11:56 AM | Attended | LAeq15min | 59 | 46 | Unable to be determined given presence of background noise. | Construction activity inaudible over extraneous background noise. |

Environment Protection Licence Monitoring Data - Blasting

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Relevant EPL Conditi 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 16 | 3/10/2023 | 14:15 | 53 Bruxner Park Road | 10 | 4.143 | 120 | 114.5 | Compliant. |
| | | | 15 Bruxner Park Road | 10 | 2.951 | 125 | 100.3 | Compliant. |
| | | | 108 West Korora Road | 25 | 2.067 | 120 | 104.9 | Community agreement obtained from resident to allow for increased ground vibration and airblast overpressure limits. PPV and dBL compliant with agreed limits. |
| Cut 16 | 10/10/2023 | 14:15 | 53 Bruxner Park Road | 10 | 3.606 | 120 | 114.80 | Compliant. |
| | | | 15 Bruxner Park Road | 10 | 4.729 | 125 | 102.90 | Compliant. |
| | | | 108 West Korora Road | 25 | 3.974 | 120 | 106.50 | Community agreement obtained from resident to allow for increased ground vibration and airblast overpressure limits. PPV and dBL compliant with agreed limits. |
| Cut 15B | 11/10/2023 | 14:15 | 172 West Korora Road | 10 | 1.984 | 120 | 112.3 | Compliant. |
| | | | 84 Gatelys Road | 10 | 8.818 | 120 | 100.4 | Compliant. |
| | | | 94 Gatelys Road | 10 | 9.131 | 120 | 108.4 | Compliant. |
| Cut 15A | 12/10/2023 | 14:15 | 191 Mackays Road (site office) | 10 | 3.07 | 120 | 108.8 | Compliant. |
| | | | 211 Mackays Road | 10 | - | 120 | - | Data unavailable |
| | | | 171C Mackays Road | 10 | - | 120 | - | Data unavailable |
| Cut 16 | 17/10/2023 | 14:15 | 53 Bruxner Park Road | 10 | 0.050 | 120 | 114.2 | Compliant. |
| | | | 15 Bruxner Park Road | 10 | 3.121 | 125 | 93.8 | Compliant. |
| | | | 108 West Korora Road | 25 | 2.927 | 120 | 108.4 | Community agreement obtained from resident to allow for increased ground vibration and airblast overpressure limits. PPV and dBL compliant with agreed limits. |
| Cut 4 | 16/10/2023 | 13:30 | 52 Buchanans Road | 10 | 2.39 | 120 | 117.80 | Compliant. |
| | | | 56 Buchanans Road | 25 | 5.11 | 125 | 122.80 | Community agreement obtained from resident to allow for increased ground vibration and airblast overpressure limits. PPV and dBL compliant with agreed limits. |
| | | | 60 Buchanans Road | 10 | 3.39 | 120 | 117.50 | Compliant. |
| Cut 16 | 16/10/2023 | 14:15 | 53 Bruxner Park Road | 10 | 4.565 | 120 | 114.7 | Compliant. |
| | | | 15 Bruxner Park Road | 10 | 9.365 | 125 | 103.5 | Compliant. |
| | | | 108 West Korora Road | 25 | 1.276 | 120 | 110.2 | Community agreement obtained from resident to allow for increased ground vibration and airblast overpressure limits. PPV and dBL compliant with agreed limits. |
| Cut 16 | 30/10/2023 | 14:15 | 53 Bruxner Park Road | 10 | 4.793 | 120 | 111.2 | Compliant. |
| | | | 15 Bruxner Park Road | 10 | 4.774 | 125 | 112.6 | Compliant. |
| | | | 108 West Korora Road | 25 | 9.471 | 120 | 101.0 | Community agreement obtained from resident to allow for increased ground vibration and airblast overpressure limits. PPV and dBL compliant with agreed limits. |