

July 2018 Blast Monitoring



Licensee: Laing O'Rourke Australia Construction Pty Ltd

Premises: Woolgoolga to Ballina Pacific Highway Upgrade Project, Harwood NSW 2465

Licence No: 20713

| Contractor / Portion / Wave | Date of blast monitoring | Time | Location | Overpressure Reading (dB)L | Ground Vibration peak particle velocity (PPV) (mm/s) |
|-----------------------------|--------------------------|-------|--------------------------------|---|--|
| | | | | EPA requirements: - Readings must not >125dB at any time - Overpressure level must not exceed 120dB for 95% of blasts over each reporting period (calendar month) | EPA Requirements: c) PPV must not >10mm/second at any time d) GPPV must not exceed 5mm/s for 95% of blasts over each reporting period (calendar month) |
| SWC A 3 | 17/07/2018 | 14:00 | Cut 30, Closest house | 106.5 | 3.343 |
| SWC A 3 | 17/07/2018 | 14:00 | Cut 30, Sheehy's Lane | 108 | 2.658 |
| SEE Civil B | 16/07/2018 | 13:00 | Tyndale Borrow Site - CH 67500 | 95 | 1.17 |
| LLE D | 21/06/2018 | 11:34 | Gibsons Quarry | 94.57 | 0.665 |
| LLE D | 3/07/2018 | 10:29 | Gibsons Quarry | 97.5 | 0.66 |