

# August 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 120dBL 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 Portion A	2/08/2018	14:00	Cut 30	112.6	3.113
SWC Portion A	2/08/2018	14:00	Cut 30	88	2.997
SWC Portion A	17/08/2018	11:00	Cut 30	88	2.215
SWC Portion A	17/08/2018	11:00	Cut 30	0	0
SEE Civil Portion B	16/07/2018	13:00	Tyndale Borrow Site - CH67500	95.06	1.171
CPB Portion C	15/08/2018	10:09	Portion C, Lang Hill, Water Tank, Blast 1	95.92	1.27
CPB Portion C	15/08/2018	10:20	Portion C, Lang Hill, Water Tank, Blast 2	100	1.805
CPB Portion C	15/08/2018	11:09	Portion C, Lang Hill, Water Tank, Blast 3	101	1.621
CPB Portion C	15/08/2018	11:16	Portion C, Lang Hill, Water Tank, Blast 4	105.5	1.47
CPB Portion C	15/08/2018	11:20	Portion C, Lang Hill, Water Tank, Blast 5	108.4	3.384
CPB Portion C	15/08/2018	11:25	Portion C, Lang Hill, Water Tank, Blast 6	105.5	2
CPB Portion C	15/08/2018	10:09	Portion C, Lang Hill, House, Blast 1	91.48	3.576
CPB Portion C	15/08/2018	10:19	Portion C, Lang Hill, House, Blast 2	104.2	5.515
CPB Portion C	15/08/2018	11:13	Portion C, Lang Hill, House, Blast 3	111.5	3.722
CPB Portion C	15/08/2018	11:15	Portion C, Lang Hill, House, Blast 4	105.5	6.342
CPB Portion C	15/08/2018	11:19	Portion C, Lang Hill, House, Blast 5	114	11.46
CPB Portion C	15/08/2018	11:23	Portion C, Lang Hill, House, Blast 6	108.8	7.045
CPB Portion C	15/08/2018	10:07	Portion C, Lang Hill, Pipe Line, Blast 1	91.48	2.174
CPB Portion C	15/08/2018	10:18	Portion C, Lang Hill, Pipe Line, Blast 2	101	2.293
CPB Portion C	15/08/2018	11:07	Portion C, Lang Hill, Pipe Line, Blast 3	107.5	2.222
CPB Portion C	15/08/2018	11:13	Portion C, Lang Hill, Pipe Line, Blast 4	111.5	3.722
CPB Portion C	15/08/2018	11:18	Portion C, Lang Hill, Pipe Line, Blast 5	118.2	6.087
CPB Portion C	15/08/2018	11:22	Portion C, Lang Hill, Pipe Line, Blast 6	108.4	2.627
LendLease Portion D	13/08/2018	10:45	Gibsons Quarry	107.5	1.524