

February Blast Monitoring - 2017



Date of blast monitoring	Location	Overpressure Reading (dB)L	Ground Vibration peak particle velocity (PPV) (mm/s)	Comments
		EPA requirements: - Readings must not >125dB at any time - Overpressure level must not exceed 120dB(L) 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)	
2/02/2017	Tyndale A -2991 PHWY	104.2dB(L)	1.524 mm/s	PB20
2/02/2017	Tyndale C – 130 Fitz	107.5dB(L)	2.413 mm/s	PB20
2/02/2017	Tyndale D – 2963 PHWY	112.8dB(L)	3.810 mm/s	PB20
2/02/2017	Tyndale E – 2878 PHWY	No trigger	No trigger	PB20
2/02/2017	Tyndale H – 3152 PHWY	102.4dB(L)	0.567 mm/s	PB20
2/02/2017	Tyndale J – 2919 PHWY	110.9dB(L)	0.889 mm/s	PB20
10/02/2017	Tyndale A -2991 PHWY	91.48dB(L)	1.905 mm/s	PB21
10/02/2017	Tyndale C – 130 Fitz	112.4dB(L)	2.420 mm/s	PB21
10/02/2017	Tyndale D – 2963 PHWY	114.8dB(L)	0.254 mm/s	PB21
10/02/2017	Tyndale H – 3152 PHWY	No trigger	No trigger	PB21
10/02/2017	Tyndale J – 2919 PHWY	No trigger	No trigger	PB21
16/02/2017	Tyndale A -2991 PHWY	104.9dB(L)	0.762 mm/s	PB22
16/02/2017	Tyndale C – 130 Fitz	105.1dB(L)	2.688 mm/s	PB22
16/02/2017	Tyndale D – 2963 PHWY	107.8dB(L)	1.805 mm/s	PB22
16/02/2017	Tyndale E – 2878 PHWY	No trigger	No trigger	PB22
16/02/2017	Tyndale H – 3152 PHWY	No trigger	No trigger	PB22
16/02/2017	Tyndale J – 2919 PHWY	105.5dB(L)	0.508 mm/s	PB22
23/02/2017	Tyndale A -2991 PHWY	117.4dB(L)	3.050 mm/s	PB23
23/02/2017	Tyndale C – 130 Fitz	112.3dB(L)	1.016 mm/s	PB23
23/02/2017	Tyndale D – 2963 PHWY	116.4dB(L)	2.794 mm/s	PB23
23/02/2017	Tyndale E – 2878 PHWY	No trigger	No trigger	PB23
23/02/2017	Tyndale H – 3152 PHWY	112.5dB(L)	1.017 mm/s	PB23
23/02/2017	Tyndale J – 2919 PHWY	No trigger	No trigger	PB23
10/02/2017	Wave 5a Cut 30	112.6	2.338	
10/02/2017	Wave 5a Cut 30	107.5	1.047	
10/02/2017	Wave 5a Cut 30	119.4	7.704	
10/02/2017	Wave 5a Cut 30	113.1	1.482	
24/02/2017	Wave 5a Cut 30	117	17.44	These readings omitted from the EPL report: SWC have advised that the non-compliant readings are collected for a power pole which is required to be monitored for vibration. SWC have held discussions with Essential Energy and there is a mutual agreement between them allowing for a maximum vibration of 50mm/s (increased from the original limit of 25mm/s). Brenden Bale spoke to Stuart Murphy about it this morning. Stuart said he
24/02/2017	Wave 5a Cut 30	111.2	2.976	
24/02/2017	Wave 5a Cut 30	110.6	2.739	
24/02/2017	Wave 5a Cut 30	110.9	1.713	

24/02/2017	Wave 5a Cut 30	110.6	1426	was happy to omit this from the report, as the EPA are interested purely in vibration effects on sensitive receivers, such as human health. The readings are below for your interest, but they haven't been included in the final report.
3/02/2017	Wave 5a Cut 30	91.48	3.035	
3/02/2017	Wave 5a Cut 30	112.6	14.03	
3/02/2017	Wave 5a Cut 30	110.2	2.207	