

July 2016 Blast Monitoring



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)	
28/07/2016	Wave 3 (FKG) Tyndale Cut - Location A - 2991 PHWY	131.6	4.191	Exceedence at monitor A. Corrective actions such as ensuring the full depth of blast is within sound rock material and a revised stemming aggregate size have been implemented.
	Wave 3 (FKG) Tyndale Cut - Location B	137.0	2.956	Exceedence at monitor B. Corrective actions such as ensuring the full depth of blast is within sound rock material and a revised stemming aggregate size have been implemented.
	Wave 3 (FKG) Tyndale Cut - Location C - 130 Fitz	128.2	4.445	Exceedence at monitor C. Corrective actions such as ensuring the full depth of blast is within sound rock material and a revised stemming aggregate size have been implemented.
	Wave 3 (FKG) Tyndale Cut - Location D - 2963 PHWY	130.3	3.048	Exceedence at monitor D. Corrective actions such as ensuring the full depth of blast is within sound rock material and a revised stemming aggregate size have been implemented.

August 2016 Blast Monitoring



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)	
10/08/2016	Wave 3 (FKG) Tyndale Cut - Location A - 2991 PHWY	108.8	3.048	Shot No. PB002
	Wave 3 (FKG) Tyndale Cut - Location B	Not monitored	Not monitored	
	Wave 3 (FKG) Tyndale Cut - Location C - 130 Fitz	106.3	2.018	
	Wave 3 (FKG) Tyndale Cut - Location D - 2963 PHWY	No trigger (<88dB(L	No trigger (<0.5mm/s)	
	Wave 3 (FKG) Tyndale Cut C4-2 - Location E	No trigger (<88dB(L	No trigger (<0.5mm/s)	
12/08/2016	Wave 3 (FKG) Tyndale Cut - Location A - 2991 PHWY	113.5	3.405	Shot No. PB003
	Wave 3 (FKG) Tyndale Cut - Location B	Not monitored	Not monitored	
	Wave 3 (FKG) Tyndale Cut - Location C - 130 Fitz	107.9	2.262	
	Wave 3 (FKG) Tyndale Cut - Location D - 2963 PHWY	114	1.651	
	2919 Pacific Highway	105.5	0.508	
18/08/2016	Wave 3 (FKG) Tyndale Cut - Location A - 2991 PHWY	114.2	2.42	Shot No. PB004
	Wave 3 (FKG) Tyndale Cut - Location B	Not monitored	Not monitored	
	Wave 3 (FKG) Tyndale Cut - Location C - 130 Fitz	109.3	1.639	
	Wave 3 (FKG) Tyndale Cut - Location D - 2963 PHWY	113.3	2.159	
	Wave 3 (FKG) Tyndale Cut - Location A - 2991 PHWY	109.1	5.21	
31/08/2016	Wave 3 (FKG) Tyndale Cut - Location B	Not monitored	Not monitored	Shot No. PB005
	Wave 3 (FKG) Tyndale Cut - Location C - 130 Fitz	106	5.588	
	Wave 3 (FKG) Tyndale Cut - Location D - 2963 PHWY	111.2	4.445	
	Wave 3 (FKG) Tyndale Cut - Location E - 2878 PHWY	No trigger (<88dB(L	No trigger (<0.5mm/s)	
	Wave 3 (FKG) Tyndale Cut - Location F - 2860 PHWY	No trigger (<88dB(L	No trigger (<0.5mm/s)	

September 2016 Blast Monitoring



Date of blast monitoring	Location	Overpressure Reading (dB)L	Ground Vibration peak particle velocity (PPV) (mm/s)	Comments
		<small>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)</small>	<small>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)</small>	
8/09/2016	Wave 3 (FKG) Tyndale Cut - Location A - 2991 PHWY	114.6	1.86	Shot No. PB006
	Wave 3 (FKG) Tyndale Cut - Location B	Not monitored	Not monitored	
	Wave 3 (FKG) Tyndale Cut - Location C - 130 Fitz	109.2	2.413	
	Wave 3 (FKG) Tyndale Cut - Location D - 2963 PHWY	103.5	0.635	
	Wave 3 (FKG) Tyndale Cut - Location E - 2878 PHWY	No trigger (<88dB)	No Trigger (<0.5mm/s)	
14/09/2016	Wave 3 (FKG) Tyndale Cut - Location A - 2991 PHWY	113.1	4.064	Shot No. PB007
	Wave 3 (FKG) Tyndale Cut - Location C - 130 Fitz	113.8	4.318	
	Wave 3 (FKG) Tyndale Cut - Location D - 2963 PHWY	112.8	1.876	
	Wave 3 (FKG) Tyndale Cut - Location E - 2878 PHWY	No trigger (<88dB)	No Trigger (<0.5mm/s)	
	Wave 3 (FKG) Tyndale Cut - Location F - 2860 PHWY	No trigger (<88dB)	No Trigger (<0.5mm/s)	
28/09/2016	Wave 3 (FKG) Tyndale Cut - Location A - 2991 PHWY	114.6	3.048	Shot No. PB008
	Wave 3 (FKG) Tyndale Cut - Location B	Not monitored	Not monitored	
	Wave 3 (FKG) Tyndale Cut - Location C - 130 Fitz	101	3.09	
	Wave 3 (FKG) Tyndale Cut - Location D - 2963 PHWY	108.8	2.159	

October 2016 Blast Monitoring



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)	
11/10/2016	Wave 3: Tyndale Cut Monitor A – 2991 PHWY	109.2	1.524	Shot No. PB009
	Wave 3: Tyndale Cut Monitor B	Not Monitored	Not monitored	
	Wave 3: Tyndale Cut Monitor C – 130 Fitz	108	2.032	
	Wave 3: Tyndale Cut Monitor D – 2963 PHWY	No Trigger	No trigger	
	Wave 3: Tyndale Cut Monitor E – 2878 PHWY	No Trigger	No trigger	
	Wave 3: Tyndale Cut Monitor F – 1050 Sth Arm	No Trigger	No trigger	
19/10/2016	Wave 3: Tyndale Cut Monitor A – 2991 PHWY	106.5	2.921	Shot No. PB010
	Wave 3: Tyndale Cut Monitor B	Not monitored	Not monitored	
	Wave 3: Tyndale Cut Monitor C – 130 Fitz	105.5	3.255	
	Wave 3: Tyndale Cut Monitor D – 2963 PHWY	102.7	0.969	
24/10/2016	Wave 3: Tyndale Cut Monitor A – 2991 PHWY	114.2	3.81	Shot No. PB011
	Wave 3: Tyndale Cut Monitor B	Not monitored	Not monitored	
	Wave 3: Tyndale Cut Monitor C – 130 Fitz	107.8	4.816	
	Wave 3: Tyndale Cut Monitor D – 2963 PHWY	112.8	2.667	
27/10/2016	Wave 3: Tyndale Cut Monitor A – 2991 PHWY	112	4.201	Shot No. PB012
	Wave 3: Tyndale Cut Monitor B	Not Monitored	Not monitored	
	Wave 3: Tyndale Cut Monitor C – 130 Fitz	113.8	3.048	
	Wave 3: Tyndale Cut Monitor D – 2963 PHWY	114.4	2.921	
	Wave 3: Tyndale Cut Monitor E – 2878 PHWY	No Trigger	No trigger	

November 2016 Blast Monitoring



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 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)	
18/11/2016 14:00	Wave 3 - Tyndale Cut Location A - 2991 PHWY	108.4	2.032	Shot No. PB014
	Wave 3 - Tyndale Cut Location B	Not monitored	Not monitored	
	Wave 3 - Tyndale Cut Location C - 130 Fitz	105.0	3.066	
	Wave 3 - Tyndale Cut Location D - 2963 PHWY	101.0	1.651	
23/11/2016 14:00	Wave 3 - Tyndale Cut Location A - 2991 PHWY	111.8	0.843	Shot No. PB015
	Wave 3 - Tyndale Cut Location B	Not monitored	Not monitored	
	Wave 3 - Tyndale Cut Location C - 130 Fitz	104.1	1.576	
	Wave 3 - Tyndale Cut Location D - 2963 PHWY	No trigger	No trigger	
1/11/2017	Wave 5a Cut 30	112.3	2.443	
		107.5	2.218	
		116.9	8.444	

December 2016 Blast Monitoring



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 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)	
16/12/2016	Wave 5A - Cut 30	114.8	1.143	
		108.5	0.828	
		110.2	1.016	
		114.2	7.157	
15/12/2016	Wave 3 - Tyndale H – 3152 PHWY	110.2	1.778	PB17
	Wave 3 - Tyndale J – 2919 PHWY	106.4	0.906	
21/12/2016	Wave 3 - Tyndale - A -2991 PHWY	109.7	4.753	PB18
	Wave 3 - Tyndale C – 130 Fitz	104.9	3.683	
	Wave 3 - Tyndale D – 2963 PHWY	109.5	4.318	
	Wave 3 - Tyndale E – 2878 PHWY	No Trigger	No Trigger	
	Wave 3 - Tyndale H – 3152 PHWY	105.5	1.852	
	Wave 3 - Tyndale J – 2919 PHWY	93.98	0.889	

January 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)	
1/12/2016		109.9 dB(L)	2.540 mm/s	PB16
	Tyndale C – 130 Fitz	103.2 dB(L)	2.506 mm/s	
	Tyndale D – 2963 PHWY	107.9 dB(L)	2.112 mm/s	
15/12/2016	Tyndale - A -2991 PHWY	112 dB(L)	3.302 mm/s	PB17
	Tyndale C – 130 Fitz	112.4 dB(L)	3.807 mm/s	
	Tyndale D – 2963 PHWY	107.0 dB(L)	2.667 mm/s	
	Tyndale E – 2878 PHWY	No Trigger	No Trigger	
24/01/2017	Tyndale - A -2991 PHWY	108.9 dB(L)	4.556 mm/s	PB19
	Tyndale C – 130 Fitz	109.5 dB(L)	4.918 mm/s	
	Tyndale D – 2963 PHWY	109.2 dB(L)	4.572 mm/s	
	Tyndale H – 3152 PHWY	103.5 dB(L)	1.651 mm/s	
	Tyndale J – 2919 PHWY	108.0 dB(L)	1.016 mm/s	

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	
24/02/2017	Wave 5a Cut 30	111.2	2.976	These readings omitted from the EPL report: SWC have advised that the non-compliant readings are collected

24/02/2017	Wave 5a Cut 30	110.6	2.739	<p>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 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.</p>
24/02/2017	Wave 5a Cut 30	110.9	1.713	
24/02/2017	Wave 5a Cut 30	110.6	1426	
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	

March 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 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)	
29/03/2017	Wave 5a Cut 30	107.5	3.134	
29/03/2017	Wave 5a Cut 30	108.8	2.556	

April 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 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)	
27/04/2017	Wave 5a - Cut 30	115.4	4.265	
27/04/2017	Wave 5a - Cut 30	111.5	2.304	
27/04/2017	Wave 5a - Cut 30	No trigger	No trigger	
27/04/2017	Wave 5a - Cut 30	No trigger	No trigger	
27/04/2017	Wave 5a - Cut 30	No trigger	No trigger	

May Blast Monitoring - 2017



Date of blast monitoring	Location	Overpressure Reading (dB)L	Ground Vibration peak particle velocity (PPV) (mm/s)	Comments
		- 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)	
15/05/2017	Cut C4-4, Wave 3	0	0	Trial blast
17/05/2017	Cut 30	107.2	3.833	
17/05/2017	Cut 30	107.8	1.571	
17/05/2017	Cut 30	105.5	3.725	
17/05/2017	Cut 30	104.7	0.813	
24/05/2017	Cut 30	109.6	2.433	
24/05/2017	Cut 30	105.5	2.575	
24/05/2017	Cut 30	108	2.02	
24/05/2017	Cut 30	106.5	2.071	
31/05/2017	Cut 28	103.7	1.768	

June 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 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)	
9-Jun-17	Cut 30	107.1	2.99	
9-Jun-17	Cut 30	<88	2.744	
9-Jun-17	Cut 30	no trigger	no trigger	
9-Jun-17	Cut 30	no trigger	no trigger	
30-Jun-17	Cut 30	112.3	4.974	
		104.6	2.274	
		101.9	2.087	
		112.6	1.823	
		107.3	0.712	

July 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)	
17/07/2017	Tyndale Cut C4-2 - A – 2991 PHWY	109.3	4.028	N/A
17/07/2017	Tyndale Cut C4-2 - C – 130 Fitz	106.5	1.651	N/A
17/07/2017	Tyndale Cut C4-2 - D – 2963 PHWY	107.7	0.883	N/A
17/07/2017	Tyndale Cut C4-2 - F – 2860 PHWY	No Trigger	No Trigger	N/A
17/07/2017	Tyndale Cut C4-2 - H – 3152 PHWY	105.5	3.302	N/A
17/07/2017	Tyndale Cut C4-2 - J – 2919 PHWY	No Trigger	No Trigger	N/A
31/07/2017	Tyndale Cut C4-2 - A – 2991 PHWY	113.8	5.334	N/A
31/07/2017	Tyndale Cut C4-2 - C – 130 Fitz	114.6	1.651	N/A
31/07/2017	Tyndale Cut C4-2 - D – 2963 PHWY	114.4	3.81	N/A
31/07/2017	Tyndale Cut C4-2 - H – 3152 PHWY	91.48	2.54	N/A
31/07/2017	Tyndale Cut C4-2 - J – 2919 PHWY	No Trigger	No Trigger	N/A
5/07/2017	Cut 30	Power Pole 119.6dB(L)	Power Pole 9.407mm/s	13
5/07/2017	Cut 30	Close House 117.9dB(L)	Close House 1.943mm/s	13
5/07/2017	Cut 30	Duck Pond House 113.5dB(L)	Duck Pond House 2.989mm/s	13
5/07/2017	Cut 30	Sheehys Lane 114.4dB(L)	Sheehys Lane 2.545mm/s	13
5/07/2017	Cut 30	Office 117.6dB(L)	Office 0.381mm/s	13
12/07/2017	Cut 28	Closest House 91.48dB(L)	Closest 3.218mm/s	3
13/07/2017	Cut 30	Power Pole 119.6dB(L)	Power Pole 14.4mm/s	14
13/07/2017	Cut 30	Close House 111.7dB(L)	Close House 4.829mm/s	14
13/07/2017	Cut 30	Duck Pond House 108.8dB(L)	Duck Pond House 3.635mm/s	14
13/07/2017	Cut 30	Sheehys Lane >88dB(L)	Sheehys Lane 2.874mm/s	14
13/07/2017	Cut 30	Near Office >88dB(L)	Near Office 2.345mm/s	14
25/07/2017	Cut 30	Power Pole 113.5dB(L)	Power Pole 4.887mm/s	15
25/07/2017	Cut 30	Close House 109.9dB(L)	Close House 1.276mm/s	15
25/07/2017	Cut 30	Duck Pond House No Trigger	Duck Pond House No Trigger	15
25/07/2017	Cut 30	Sheehys Lane No Trigger	Sheehys Lane No Trigger	15
25/07/2017	Cut 30	Near Office No Trigger	Near Office No Trigger	15
25/07/2017	Cut 28	Closest House 114dB(L)	Closest House 2.265mm/s	4

October 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 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)	
23/10/2017	Cut 28	No trigger recorded	No trigger recorded	Cut 28 Blast 007 had 570 holes at 2.5m spacings and average hole depth was 6.8m. No triggers were recorded at the closest house
24/10/2017	Test 1 Monitor 1 - 350 Old Bagotville Road	108.3	1.474	
24/10/2017	Test 1 Monitor 2 - Adjacent to Monti's Quarry	97.88	2.907	
24/10/2017	Test 1 Monitor 3 - Old Bagotville Rd adjacent to traffic control	100	5.638	
24/10/2017	Test 1 Monitor 4 - Essential Energy transformer	103.5	14.85	Note: Increased allowable tolerances
24/10/2017	Test 1 Monitor 5 - Monti's Quarry	98.84	1.178	
24/10/2017	Test 2 Monitor 1 - 350 Old Bagotville Road	104.8	1.234	
24/10/2017	Test 2 Monitor 2 - Adjacent to Monti's Quarry	96.38	3.233	
24/10/2017	Test 2 Monitor 3 - Old Bagotville Rd adjacent to traffic control	109.9	0.22	
24/10/2017	Test 2 Monitor 4 - Essential Energy transformer	104.2	11.77	Note: Increased allowable tolerances
24/10/2017	Test 2 Monitor 5 - Monti's Quarry	109.9	0.254	
24/10/2017	Test 3 Monitor 1 - 350 Old Bagotville Road	106.4	1.538	
24/10/2017	Test 3 Monitor 2 - Adjacent to Monti's Quarry	101.1	3.42	
24/10/2017	Test 3 Monitor 3 - Old Bagotville Rd adjacent to traffic control	98.84	1.787	
24/10/2017	Test 3 Monitor 4 - Essential Energy transformer	110.6	11.66	Note: Increased allowable tolerances
24/10/2017	Test 3 Monitor 5 - Monti's Quarry	103.5	1.276	
26/10/2017	Blast 1 Monitor 1 - 350 Old Bagotville Road	113.5	4.743	

November Blast Monitoring - 2017



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)
Lendlease / S10 & 11	3/11/2017	14:13	Blast site: Gibsons Quarry, Residence: 35	101	1.321
Lendlease / S10 & 11	8/11/2017	13:20	Blast site: Gibsons Quarry, Residence: 35	99.87	0.666
Lendlease / S10 & 11	16/11/2017	10:36	Blast site: Gibsons Quarry, Residence: 35	106.5	0.696
Seymour Whyte	29/11/2017	14:00	W2B Tyndale, Cut 30	Close House= 115.6 dB. Sheehys Lane Office=110.7dB. Sheehy's Lane (House)= 110.2dB	Close house= 4.212mm/s. Sheehy's Lane (Office)= 3.799mm/s. Sheehy's Lane (House)= 2.521mm/s.

December Blast Monitoring - 2017



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)
Seymour Whyte - Portion A	13/12/2017	14:00	W2B Tyndale, Cut 30	Close House= 107.5 dB. Sheehys Lane 1=114 dB. Sheehy's Lane 2= 112.8 dB	Close house= 1.815 mm/s. Sheehy's Lane 1= 1.581 mm/s. Sheehy's Lane 2 = 1.225 mm/s.
LendLease - Portion D	27/11/2017	13:31	Blast site: Gibsons Quarry, Residence: 350 Old Bagotville Road	109.9	0.254
LendLease - Portion D	6/12/2017	13:31	Blast site: Gibsons Quarry, Residence: 350 Old Bagotville Road	102.4	1.514
LendLease - Portion D	19/12/2017	10:28	Blast site: Gibsons Quarry, Residence: 350 Old Bagotville Road	96.38	1.129