SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
2-Jun	5.00	-	-	-	1.90	0.00	0.00	-	-	5.00	-	-	-	0.15	-	-	-	47.1	51.0	57.4	
3-Jun	3.00	-	-	-	1.14	0.00	0.00	-	-	3.00	-	-	-	0.09	-	-	-	42.4	42.1	47.8	
4-Jun	7.00	-	-	-	2.66	0.00	0.00	-	-	7.00	-	-	-	0.21	-	-	-	61.2	43.6	50.7	
5-Jun	4.00	-	-	-	1.52	0.00	0.00	-	-	4.00	-	-	-	0.12	-	-	-	56.0	51.0	56.2	
6-Jun	10.00	6.00	-	-	3.04	1.90	0.00	-	-	10.00	5.40	-	-	0.30	0.16	-	-	64.9	58.2	58.4	
7-Jun	13.00	10.00	-	-	3.04	3.80	0.00	-	-	12.00	10.00	-	-	0.36	0.30	-	-	57.2	56.9	55.2	
8-Jun	9.00	7.00	-	-	1.90	2.66	0.00	-	-	11.00	7.00	-	-	0.33	0.21	-	-	55.8	55.8	60.0	Air monitor A3 was set up Thursday, June 8
9-Jun	2.00	0.00	2.00	-	0.38	0.00	0.38	-	-	2.00	0.00	1.00	-	0.06	0.00	0.03	-	49.8	51.5	58.7	
10-Jun	3.00	1.00	1.00	-	0.76	0.38	0.38	-	-	3.00	1.00	1.00	-	0.09	0.03	0.03	-	49.1	52.8	56.3	
11-Jun	6.00	2.00	3.00	-	1.90	0.76	0.76	-	-	6.00	2.00	2.00	-	0.18	0.06	0.06	-	41.7	43.1	51.8	
12-Jun	10.00	6.00	39.00	-	3.04	2.28	6.84	-	-	10.00	6.00	18.00	-	0.30	0.18	0.55	-	46.9	46.9	57.6	
13-Jun	12.00	12.00	12.00	-	3.80	4.18	3.42	-	-	12.00	11.00	12.00	-	0.36	0.33	0.36	-	53.6	51.2	59.2	
14-Jun	3.00	4.00	0.00	-	1.14	1.14	0.00	-	-	4.00	4.00	2.00	-	0.12	0.12	0.06	-	45.2	46.6	56.7	
15-Jun	0.00	3.00	2.00	-	0.00	0.76	0.38	-	-	0.00	3.00	1.00	-	0.00	0.09	0.03	-	62.0	62.5	53.5	Power surge at A1 - solar panel to be repaired June 20.
16-Jun	-	2.00	1.00	-	-	0.38	0.00	-	-	-	2.00	1.00	-	-	0.06	0.03	-	52.9	50.4	60.0	Power surge at A1 - solar panel to be repaired June 20.
17-Jun	-	5.00	4.00	-	-	1.14	0.76	-	-	-	4.00	3.00	-	-	0.12	0.09	-	45.2	44.1	60.8	Power surge at A1 - solar panel to be repaired June 20.
18-Jun	-	2.00	2.00	-	-	0.76	0.38	-	-	-	2.00	2.00	-	-	0.06	0.06	-	43.0	47.4	58.9	Power surge at A1 - solar panel to be repaired June 20.
19-Jun	-	7.00	6.00	-	-	1.14	1.52	-	-	-	6.00	6.00	-	-	0.18	0.18	-	65.5	94.9	59.1	Tree planting beside R1. R2 was moved south (data N/A). Noise exceedance due to planting equipment working near monitors.
20-Jun	-	5.00	0.00	-	-	0.76	0.00	-	-	-	4.00	0.00	-	-	0.12	0.00	-	59.7	48.6	58.1	Solar panel repaired. Values will be reported again June 21.
21-Jun	1.00	4.00	4.00	-	0.38	0.38	0.38	-	-	1.00	4.00	3.00	-	0.03	0.12	0.09	-	54.2	57.3	60.5	
22-Jun	1.00	3.00	4.00	-	0.00	1.14	0.76	-	-	0.00	2.00	3.00	-	0.00	0.06	0.09	-	48.8	51.6	61.1	
23-Jun	3.00	5.00	3.00	-	1.14	1.52	0.76	-	-	2.60	5.00	3.00	-	0.08	0.15	0.09	-	45.2	44.7	50.5	
24-Jun	6.00	3.00	2.00	-	2.28	0.76	0.38	-	-	5.40	3.00	2.00	-	0.16	0.09	0.06	-	42.3	42.8	49.6	
25-Jun	8.00	4.00	7.00	-	2.66	0.76	1.90	-	-	7.80	3.00	6.00	-	0.24	0.09	0.18	-	55.7	46.8	51.0	
26-Jun	3.00	12.00	6.00	-	1.14	2.66	1.14	-	-	0.00	11.00	5.00	-	0.00	0.33	0.15	-	45.2	50.2	54.4	
27-Jun	3.00	5.00	5.00	-	1.14	0.76	0.00	-	-	2.70	5.00	3.00	-	0.08	0.15	0.09	-	61.5	44.4	55.6	
28-Jun	2.00	0.00	0.00	-	0.76	0.00	0.00	-	-	0.00	0.00	0.00	-	0.00	0.00	0.00	-	59.5	50.5	59.8	
29-Jun	5.00	2.00	0.00	-	1.90	0.38	0.00	-	-	4.70	2.00	0.00	-	0.14	0.06	0.00	-	44.2	44.2	51.6	
30-Jun	4.00	4.00	0.00	-	1.52	0.76	0.00	-	-	4.00	4.00	0.00	-	0.12	0.12	0.00	-	44.4	43.8	49.6	Monitor A2 solar panel was vandalized.
1-Jul	3.00	3.00	9.00	-	1.14	0.38	2.66	-	-	3.00	3.00	9.00	-	0.09	0.09	0.27	-	48.1	46.9	53.5	
2-Jul	11.00	7.00	6.00	-	4.18	2.28	1.90	-	-	11.00	7.00	6.00	-	0.33	0.21	0.18	-	44.5	40.1	48.0	
3-Jul	11.00	13.00	7.00	-	4.18	4.56	1.90	-	-	11.00	13.00	6.00	-	0.33	0.40	0.18	-	42.0	40.8	50.6	
4-Jul	4.00	5.00	4.00	-	1.52	1.14	0.00	-	-	4.00	5.00	3.00	-	0.12	0.15	0.09	-	45.7	48.0	55.2	
5-Jul	6.00	0.00	8.00	-	2.28	0.00	0.76	-	-	6.00	0.00	7.00	-	0.18	0.00	0.21	-	43.3	45.8	56.9	
6-Jul	9.00	0.00	26.00	-	3.42	0.00	3.42	-	-	9.00	0.00	21.00	-	0.27	0.00	0.64	-	41.6	43.7	58.4	
7-Jul	6.00	3.00	17.00	-	2.28	0.00	2.66	-	-	6.00	3.00	15.00	-	0.18	0.09	0.46	-	44.3	44.4	54.9	
8-Jul	13.00	19.00	13.00	-	4.94	6.46	3.04	-	-	13.00	19.00	12.00	-	0.40	0.58	0.36	-	40.8	41.6	54.0	
9-Jul	15.00	20.00	11.00	-	5.70	6.46	2.66	-	-	15.00	19.00	10.00	-	0.46	0.58	0.30	-	60.3	44.3	48.8	
10-Jul	19.00	22.00	7.00	-	7.22	8.36	1.90	-	-	18.90	22.00	7.00	-	0.57	0.67	0.21	-	44.0	45.8	57.5	Precipitation 7.2mm
11-Jul	22.00	22.00	0.00	-	8.36	8.36	0.00	-	-	20.80	22.00	0.00	-	0.63	0.67	0.00	-	41.7	41.8	53.9	Precipitation 41.7mm. We are looking into the high results.
12-Jul	40.00	40.00	25.00	-	15.20	14.82	8.74	-	-	40.00	40.00	25.00	-	1.22	1.22	0.76	-	44.0	44.3	54.1	Smoke from BC forest fires affecting the data.
13-Jul	16.00	19.00	0.00	-	6.08	6.84	0.00	-	-	16.00	19.00	0.00	-	0.49	0.58	0.00	-	45.3	44.6	51.1	
14-Jul	11.00	18.00	17.00	-	4.18	6.08	4.56	-	-	11.00	18.00	16.00	-	0.33	0.55	0.49	-	48.5	45.2	56.4	
15-Jul	13.00	15.00	5.00	-	4.94	4.94	0.38	-	-	13.00	15.00	4.00	-	0.40	0.46	0.12	-	53.8	45.4	52.5	
16-Jul	59.00	57.00	6.00	-	22.42	20.90	1.52	-	-	59.00	56.00	5.00	-	1.79	1.70	0.15	-	48.2	48.4	62.3	Air Quality Health Index: 4.1. CRAZ NW Station 24 hour average PM 2.5 30 ug/m3
17-Jul	158.00	146.00	44.00	-	60.04	54.72	15.58	-	-	158.00	146.00	43.00	-	4.80	4.44	1.31	-	46.0	46.3	55.4	Air Quality Health Index: 6.5. CRAZ NW Station 24 hour average PM 2.5 35 ug/m3. A3 data questionable as CRAZ data is very high and readings should be consistent with CRAZ
18-Jul	47.00	40.00	3.00	-	16.34	14.06	0.00	-	-	45.00	40.00	2.00	-	1.37	1.22	0.06	-	46.4	44.0	53.2	
19-Jul	123.00	98.00	9.00	-	44.08	36.48	1.52	-	-	121.00	97.00	7.00	-	3.68	2.95	0.21	-	58.6	44.4	53.3	CRAZ NW Station indicates 24 hour PM 2.5 at 37 ug/m3. A3 data questionable as CRAZ data is very high and readings should be consistent with CRAZ
20-Jul	71.00	65.00	2.00	-	24.32	21.28	0.00	-	-	69.00	64.00	1.00	-	2.10	1.95	0.03	-	60.7	50.8	53.8	CRAN NW station indicates 24 hour PM 2.5 at 20 ug/m3
21-Jul	22.00	14.00	3.00	-	6.46	4.94	0.38	-	-	20.00	14.00	2.00	-	0.61	0.43	0.06	-	50.2	51.1	57.6	CRAN NW station indicates 24 hour PM 2.5 at 6 ug/m3. A3 still seems to be reading low. Service call made.
22-Jul	19.00	14.00	2.00	-	6.08	5.32	0.00	-	-	18.30	14.00	2.00	-	0.56	0.43	0.06	-	41.6	44.8	48.1	
23-Jul	10.00	4.00	3.00	-	1.90	1.14	0.38	-	-	8.40	4.00	2.00	-	0.26	0.12	0.06	-	40.5	38.7	46.5	
24-Jul	17.00	2.00	2.00	-	1.14	0.38	0.38	-	-	12.00	2.00	2.00	-	0.36	0.06	0.06	-	44.3	45.1	58.1	A3 DustTrack replaced with minivol. A3 dustTrack out for repair.
25-Jul	12.00	6.00	4.00	-	2.28	1.90	0.38	-	-	10.00	6.00	3.00	-	0.30	0.18	0.09	-	43.7	42.5	46.5	A3 DustTrack replaced with minivol. A3 DustTrack out for repair.
26-Jul	11.00	11.00	10.00	-	3.42	3.04	0.76	-	-	10.00	11.00	8.00	-	0.30	0.33	0.24	-	42.2	43.0	49.8	A3 DustTrack replaced with minivol. A3 DustTrack out for repair.
27-Jul	36.00	30.00	10.00	-	11.78	10.64	0.76	-	-	34.00	30.00	7.00	-	1.03	0.91	0.21	-	46.1	47.5	51.9	A3 DustTrack replaced with minivol. A3 DustTrack out for repair.
28-Jul	33.00	29.00	40.00	-	11.40	10.26	7.07	-	-	32.00	28.00	27.60	-	0.97	0.85	0.84	-	48.3	48.9	58.1	A3 DustTrack replaced with minivol. A3 DustTrack out for repair.
29-Jul	25.00	22.00	-	-	8.74	7.98	-	-	-	24.00	22.00	-	-	0.73	0.67	-	-	44.2	43.8	60.8	Minivol replacement for A3 is manual, data not collected daily.
30-Jul	71.00	63.00	-	-	26.22	23.56	-	-	-	70.00	63.00	-	-	2.13	1.92	-	-	40.5	43.0	58.4	Forest fire smoke blowing towards Calgary. A3 data unable to obtain over the weekend.

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
31-Jul	126.00	106.00	-	-	45.98	39.90	-	-	-	124.00	106.00	-	-	3.77	3.22	-	-	44.9	46.6	57.7	A3 data being collected by mini vol monitors. Data not available daily. CRAZ NW Station 24 hour average PM 2.5 46 ug/m3
1-Aug	43.00	35.00	135.40	-	15.96	12.92	15.05	-	-	43.00	35.00	54.00	-	1.31	1.06	1.64	-	48.2	49.4	66.0	Somerville is working beside the A3 and N3 monitors. Cause for exceedance in dust and noise
2-Aug	17.00	14.00	26.50	-	6.08	5.32	4.75	-	-	17.00	14.00	22.10	-	0.52	0.43	0.67	-	44.3	42.6	70.1	Somerville is working beside the A3 and N3 monitors. Cause for exceedance in dust and noise
3-Aug	25.00	20.00	126.80	-	9.12	7.22	5.24	-	-	25.00	20.00	31.30	-	0.76	0.61	0.95	-	42.9	43.5	65.6	Somerville is working beside the A3 and N3 monitors. Cause for exceedance in dust and noise
4-Aug	21.00	8.00	93.00	-	4.94	3.04	7.94	-	-	19.00	8.00	42.50	-	0.58	0.24	1.29	-	47.9	50.6	67.9	Somerville is working beside the noise monitor. KGL is not crushing.
5-Aug	11.00	9.00	-	-	3.80	3.04	-	-	-	11.00	9.00	-	-	0.33	0.27	-	-	40.5	40.7	54.4	Manual data was not obtained over the long weekend. KGL is not crushing.
6-Aug	19.00	14.00	-	-	6.46	4.94	-	-	-	18.00	14.00	-	-	0.55	0.43	-	-	41.5	40.0	44.9	Manual data was not obtained over the long weekend. KGL is not crushing; copper wires were stolen.
7-Aug	30.00	23.00	-	-	10.64	8.36	-	-	-	30.00	23.00	-	-	0.91	0.70	-	-	41.2	41.4	56.4	Manual data was not obtained over the long weekend.
8-Aug	31.00	24.00	45.70	-	11.02	8.74	3.65	-	-	31.00	24.00	18.30	-	0.94	0.73	0.56	-	44.4	48.0	56.5	Manual data was not obtained over the long weekend.
9-Aug	42.00	29.00	56.90	-	14.06	10.64	7.30	-	-	40.00	29.00	31.40	-	1.22	0.88	0.95	-	47.7	48.2	54.4	KGL is exploring additional dust suppression methods.
10-Aug	79.00	27.00	62.60	-	16.72	9.88	11.59	-	-	67.00	27.00	35.70	-	2.04	0.82	1.09	-	46.4	48.5	54.9	KGL is exploring additional dust suppression methods.
11-Aug	45.00	18.00	51.80	-	9.50	6.08	7.79	-	-	38.00	17.00	30.70	-	1.16	0.52	0.93	-	46.4	48.6	52.3	A3 data being collected by mini vol monitors. Data not available daily.
12-Aug	30.00	19.00	-	-	8.74	6.46	-	-	-	28.00	19.00	-	-	0.85	0.58	-	-	50.6	49.9	62.0	A3 data being collected by mini vol monitors. Data not available daily.
13-Aug	73.00	53.00	-	-	25.46	19.76	-	-	-	54.20	53.00	-	-	1.65	1.61	-	-	41.5	45.4	52.9	Forest fire smoke blowing in. Air quality advisories issued. Air Quality Health Index: 9.1. A3 data being collected by mini vol monitors. Data not available daily.
14-Aug	208.00	162.00	86.40	-	78.66	61.56	15.09	-	-	208.00	162.00	54.40	-	6.32	4.92	1.65	-	48.7	49.3	52.5	Air Quality Health Index: 10.1. CRAZ NW Station 24 Hour average PM 2.5 77ug/m3. High winds blowing to the NW, low A3 readings potentially due to monitor sheltered from winds in this direction.
15-Aug	90.00	65.00	27.90	-	33.06	24.70	7.18	-	-	89.00	65.00	21.30	-	2.71	1.98	0.65	-	46.6	48.6	59.0	Air Quality Health Index: 3.8 CRAZ NW Station 24 Hour average PM 2.5 29ug/m3
16-Aug	88.00	65.00	49.80	-	31.16	24.32	11.48	-	-	86.00	65.00	35.50	-	2.61	1.98	1.08	-	48.7	48.8	52.6	Air Quality Health Index: 4.6 CRAZ NW Station 24 Hour average PM 2.5 46 ug/m3
17-Aug	133.00	94.00	66.80	-	47.50	35.34	10.45	-	-	130.00	94.00	44.70	-	3.95	2.86	1.36	-	49.5	49.0	53.7	Air Quality Health Index: 4.4 CRAZ NW Station 24 Hour average PM 2.5 26 ug/m3. High Winds to NW, low A3 readings potentially due to monitor being sheltered from winds in this direction.
18-Aug	64.00	40.00	-	-	19.76	14.44	-	-	-	60.00	40.00	-	-	1.82	1.22	-	-	49.4	50.2	51.8	Air Quality Health Index: 3.9. A3 data being collected by mini vol monitors. Data not available daily.
19-Aug	23.00	15.00	-	-	5.32	5.32	-	-	-	20.00	15.00	-	-	0.61	0.46	-	-	47.3	45.2	53.7	A3 data being collected by mini vol monitors. Data not available daily.
20-Aug	54.00	38.00	-	-	18.62	14.06	-	-	-	53.00	37.00	-	-	1.61	1.12	-	-	44.3	42.7	46.3	Air Quality Health Index: 4.4. A3 data being collected by mini vol monitors. Data not available daily.
21-Aug	34.00	23.00	45.30	-	10.64	8.36	7.90	-	-	32.00	23.00	31.00	-	0.97	0.70	0.94	-	48.8	47.8	54.1	A3 data being collected by mini vol monitors. Data not available daily.
22-Aug	29.00	17.00	59.70	-	8.36	5.70	8.44	-	-	27.00	17.00	34.10	-	0.82	0.52	1.04	-	46.2	48.4	58.9	
23-Aug		20.00	85.10	-	0.00	6.84	13.64	-	-		20.00	50.70	-	0.00	0.61	1.54	-	46.9	49.2	58.3	A1 DustTrak failed. Instrument being sent to manufacturer for repair. Somerville excavating beside A3.
24-Aug		30.00	107.30	-	0.00	9.50	14.97	-	-		30.00	54.60	-	0.00	0.91	1.66	-	51.5	51.9	54.7	Technical difficulties with noise website. Subcontractor working on a repair. Air Quality Health Index: 3.9. Somerville working beside A3.
25-Aug	24.00	7.00	-	-	5.32	2.28	-	-	-	18.00	7.00	-	-	0.55	0.21	-	-	48.2	49.0	79.5	A3 DustTrak is repaired and returned. It is now set up at location A1. Location A3 minivols will remain until A1 DustTrak is repaired.
26-Aug	61.00	18.00	-	-	9.88	6.46	-	-	-	40.00	18.00	-	-	1.22	0.55	-	-	46.7	48.4	53.1	A3 data being collected by mini vol monitors. Data not available daily.
27-Aug	35.00	27.00	-	-	11.02	10.26	-	-	-	32.00	27.00	-	-	0.97	0.82	-	-	40.4	39.7	44.8	A3 data being collected by mini vol monitors. Data not available daily.
28-Aug	37.00	17.00	56.90	-	7.60	6.08	8.59	-	-	28.00	17.00	29.80	-	0.85	0.52	0.91	-	43.4	45.9	63.0	A3 data being collected by mini vol monitors. Data not available daily.
29-Aug	49.00	16.00	566.90	-	7.60	4.94	171.38	-	-	33.00	15.00	482.20	-	1.00	0.46	14.66	-	49.0	48.2	61.2	Somerville working beside the monitor. Air Quality Health Index: 3.5
30-Aug	148.00	111.00	584.30	-	46.74	40.28	181.98	-	-	133.00	111.00	517.90	-	4.04	3.37	15.74	-	50.6	51.5	65.1	Somerville working beside the monitor. Air quality advisory due to smoke has been issued. Air Quality Health Index: 7.5. CRAZ NW PM 2.5 24 hour average is 48 ug/m3
31-Aug	204.00	121.00	581.50	-	52.44	45.22	54.30	-	-	166.00	121.00	235.40	-	5.05	3.68	7.16	-	45.0	48.1	69.6	Somerville working beside the monitor. Air quality advisory due to smoke has been issued. Air Quality Health Index: 6.6. CRAZ NW PM 2.5 24 hour average is 43 ug/m3
1-Sep	99.00	79.00	-	-	31.92	29.26	-	-	-	91.00	79.00	-	-	2.77	2.40	-	-	47.0	48.2	64.3	Air Quality Health Index: 4.2. A3 data being collected by mini vol monitors. Data not available daily. CRAZ NW PM 2.5 24 hour average is 30 ug/m3
2-Sep	121.00	76.00	-	-	31.16	27.36	-	-	-	101.00	75.00	-	-	3.07	2.28	-	-	46.1	46.5	63.9	Crushing down for long weekend. Air Quality Health Index: 7.5. A3 data being collected by mini vol monitors. Data not available daily. CRAZ NW PM 2.5 24 hour average is 30 ug/m3
3-Sep	18.00	12.00	-	-	4.56	4.18	-	-	-	15.00	12.00	-	-	0.46	0.36	-	-	42.8	43.2	59.2	Crushing down for long weekend. Air Quality Health Index: 3.5. A3 data being collected by mini vol monitors. Data not available daily. CRAZ NW PM 2.5 24 hour average is 30 ug/m3
4-Sep	11.00	9.00	-	-	3.04	3.04	-	-	-	10.00	8.00	-	-	0.30	0.24	-	-	40.2	40.0	43.2	Air Quality Health Index: 2.7. A3 data being collected by mini vol monitors. Data not available daily.
5-Sep	45.00	33.00	262.00	-	12.54	11.40	52.06	-	-	39.00	33.00	166.40	-	1.19	1.00	5.06	-	49.2	49.0	69.9	Air Quality Health Index: 4.5. CRAZ NW airshed PM 2.5 24 hour average is 51 ug/m3. Somerville working in area.
6-Sep	104.00	75.00	-	-	29.64	27.36	-	-	-	90.00	75.00	-	-	2.74	2.28	-	-	45.4	49.1	63.4	Air Quality Health Index: 5.4. A3 data being collected by mini vol monitors. Data not available daily. CRAZ NW airshed data PM 2.5 24 hour average 30 ug/m3.

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NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
7-Sep	129.00	104.00	494.90	-	39.14	38.38	60.91	-	-	116.00	104.00	291.30	-	3.53	3.16	8.86	-	48.6	48.8	63.4	Air Quality Health Index: 6.1. Somerville in area.
8-Sep	212.00	153.00	-	-	61.94	57.00	-	-	-	186.00	153.00	-	-	5.65	4.65	-	-	45.0	48.4	58.9	Air Quality Health Index: 7.9. A3 data being collected by mini vol monitors. Data not available daily. Somerville in area.
9-Sep	75.00	73.00	-	-	26.60	27.36	-	-	-	72.00	73.00	-	-	2.19	2.22	-	-	50.0	50.9	56.4	Air Quality Health Index: 4.8. A3 data being collected by mini vol monitors. Data not available daily.
10-Sep	5.00	3.00	-	-	1.14	1.14	-	-	-	4.00	3.00	-	-	0.12	0.09	-	-	41.2	45.0	52.5	Somerville performed watering along the pipeline ROW. A3 data being collected by mini vol monitors. Data not available daily.
11-Sep	16.00	8.00	131.90	-	3.04	2.66	16.72	-	-	12.00	8.00	57.90	-	0.36	0.24	1.76	-	42.4	44.5	51.9	Somerville working near A3.
12-Sep	18.00	5.00	65.90	-	2.28	1.52	6.57	-	-	11.00	5.00	24.40	-	0.33	0.15	0.74	-	49.9	49.5	65.3	Somerville working near A3.
13-Sep	4.00	2.00	-	-	1.14	0.76	-	-	-	4.00	2.00	-	-	0.12	0.06	-	-	47.9	52.2	62.2	Somerville not working in the area today
14-Spe	6.00	4.00	-	-	1.90	1.52	-	-	-	6.00	4.00	-	-	0.18	0.12	-	-	45.5	49.3	52.0	Somerville not working in the area today
15-Sep	9.00	8.00	-	-	3.04	3.04	-	-	-	9.00	8.00	-	-	0.27	0.24	-	-	43.1	45.8	67.0	A3 data being collected by mini vol monitors. Data not available daily.
16-Sep	9.00	6.00	-	-	3.04	2.28	-	-	-	8.00	6.00	-	-	0.24	0.18	-	-	42.5	41.9	48.7	Crushing not in production. A3 data being collected by mini vol monitors. Data not available daily.
17-Sep	22.00	14.00	-	-	7.60	5.32	-	-	-	21.00	14.00	-	-	0.64	0.43	-	-	43.3	41.5	44.9	Crushing not in production. A3 data being collected by mini vol monitors. Data not available daily.
18-Sep	31.00	13.00	46.20	-	11.02	4.94	2.36	-	-	30.00	13.00	16.40	-	0.91	0.40	0.50	-	51.1	52.8	61.1	
19-Sep	5.00	3.00	20.70	-	1.14	1.14	1.37	-	-	4.00	3.00	11.80	-	0.12	0.09	0.36	-	48.6	53.0	62.1	
20-Sep	8.00	2.00	30.30	-	1.14	0.38	1.29	-	-	5.00	2.00	11.70	-	0.15	0.06	0.36	-	50.0	52.3	67.3	
21-Sep	1.00	0.00	33.50	-	0.38	0.00	2.43	-	-	1.00	0.00	15.80	-	0.03	0.00	0.48	-	48.7	53.3	57.3	
22-Sep		1.00	22.30	-	0.00	0.38	0.84	-	-		1.00	8.80	-	0.00	0.03	0.27	-	44.4	48.4	51.7	Power surge on A1. Data not correct today only.
23-Sep	6.00	2.00	-	-	1.90	0.38	-	-	-	6.00	1.00	-	-	0.18	0.03	-	-	43.7	42.3	64.9	A3 data being collected by mini vol monitors. Data not available daily.
24-Sep	6.00	1.00	-	-	1.90	0.38	-	-	-	5.00	1.00	-	-	0.15	0.03	-	-	39.9	45.1	45.3	A3 data being collected by mini vol monitors. Data not available daily.
25-Sep	8.00	0.00	19.90	-	1.52	0.00	0.53	-	-	6.00	0.00	10.80	-	0.18	0.00	0.33	-	46.5	49.6	55.2	
26-Sep	11.00	1.00	18.40	-	1.52	0.00	0.49	-	-	7.00	1.00	13.00	-	0.21	0.03	0.40	-	42.5	99.1	52.4	N2 was disconnected and being moved from approximately 11am-3pm, therefore this result is not an accurate representation.
27-Sep	10.00	1.00	25.30	-	1.90	0.38	1.33	-	-	7.00	1.00	7.30	-	0.21	0.03	0.22	-	46.2	49.8	54.4	
28-Sep	12.00	5.00	54.40	-	3.04	1.52	2.81	-	-	10.00	4.00	22.90	-	0.30	0.12	0.70	-	50.6	49.7	58.4	
29-Sep	19.00	7.00	52.20	-	5.70	2.28	1.79	-	-	17.00	7.00	21.50	-	0.52	0.21	0.65	-	43.3	43.1	51.5	
30-Sep	15.00	2.00	-	-	4.56	0.38	-	-	-	14.00	2.00	-	-	0.43	0.06	-	-	41.9	45.1	57.1	A3 data being collected by mini vol monitors. Data not available daily.
1-Oct	8.00	1.00	-	-	1.14	0.00	-	-	-	5.00	0.00	-	-	0.15	0.00	-	-	48.9	53.6	70.5	Crushing not in operation. High winds are causing the exceedance. A3 data being collected by mini vol monitors. Data not available daily.
2-Oct	6.00	1.00	30.30	-	0.38	0.00	1.33	-	-	3.00	1.00	16.30	-	0.09	0.03	0.50	-	56.8	62.3	75.2	High winds and blowing snow are causing the noise exceedance.
3-Oct	4.00	1.00	-	-	1.14	0.38	-	-	-	3.00	1.00	-	-	0.09	0.03	-	-	43.4	48.8	50.0	A3 data being collected by mini vol monitors. Data not available daily.
4-Oct	12.00	2.00	-	-	3.80	0.38	-	-	-	7.00	2.00	-	-	0.21	0.06	-	-	44.5	49.1	52.7	A3 data being collected by mini vol monitors. Data not available daily.
5-Oct	12.00	3.00	-	-	3.42	1.14	-	-	-	11.00	3.00	-	-	0.33	0.09	-	-	48.1	48.8	57.3	A3 data being collected by mini vol monitors. Data not available daily.
6-Oct	8.00	2.00	8.00	-	2.28	0.38	2.66	-	-	7.00	2.00	8.00	-	0.21	0.06	0.24	-	49.8	57.2	60.8	
7-Oct	2.00	0.00	3.00	-	0.38	0.00	1.14	-	-	2.00	0.00	3.00	-	0.06	0.00	0.09	-	49.3	55.8	61.3	
8-Oct	3.00	0.00	4.00	-	0.38	0.00	1.52	-	-	2.00	0.00	4.00	-	0.06	0.00	0.12	-	47.6	50.5	67.0	Crushing not in operation.
9-Oct	5.00	1.00	6.00	-	1.14	0.38	2.28	-	-	4.00	1.00	6.00	-	0.12	0.03	0.18	-	48.3	58.1	60.3	
10-Oct	12.00	2.00	11.00	-	3.04	0.76	3.42	-	-	10.00	2.00	11.00	-	0.30	0.06	0.33	-	45.6	45.3	53.2	
11-Oct	7.00	3.00	8.00	-	2.28	1.14	3.04	-	-	6.00	3.00	8.00	-	0.18	0.09	0.24	-	44.6	47.0	55.5	
12-Oct	6.00	3.00	9.00	-	2.28	1.14	3.42	-	-	6.00	3.00	9.00	-	0.18	0.09	0.27	-	44.1	46.1	52.2	
13-Oct	15.00	8.00	16.00	-	5.32	3.04	6.08	-	-	15.00	8.00	16.00	-	0.46	0.24	0.49	-	41.7	45.0	51.7	
14-Oct	13.00	3.00	10.00	-	2.66	1.14	3.42	-	-	9.00	3.00	9.00	-	0.27	0.09	0.27	-	46.9	48.7	63.8	
15-Oct	3.00	1.00	6.00	-	0.76	0.00	2.28	-	-	2.00	1.00	6.00	-	0.06	0.03	0.18	-	44.7	46.8	63.2	Crushing not in operation.
16-Oct	5.00	2.00	6.00	-	0.76	0.38	1.90	-	-	3.00	1.00	6.00	-	0.09	0.03	0.18	-	48.6	49.6	60.9	
17-Oct	11.00	17.00	11.00	-	0.76	0.76	2.28	-	-	5.00	13.00	9.00	-	0.15	0.40	0.27	-	54.9	54.8	70.7	High winds are causing the noise exceedance.
18-Oct	3.00	2.00	8.00	-	0.38	0.38	2.66	-	-	2.00	2.00	8.00	-	0.06	0.06	0.24	-	46.2	45.3	58.0	
19-Oct	8.00	1.00	10.00	-	1.14	0.00	2.66	-	-	5.00	0.00	9.00	-	0.15	0.00	0.27	-	47.2	48.7	56.4	
20-Oct	12.00	0.00	6.00	-	1.90	0.00	2.28	-	-	9.00	0.00	6.00	-	0.27	0.00	0.18	-	46.1	51.4	61.6	
21-Oct	3.00	1.00	7.00	-	0.38	0.38	2.66	-	-	2.00	1.00	7.00	-	0.06	0.03	0.21	-	49.1	50.6	55.3	Somerville operation finished-Tentative
22-Oct	1.00	0.00	7.00	-	0.00	0.00	2.28	-	-	1.00	0.00	7.00	-	0.03	0.00	0.21	-	45.6	47.8	66.9	Crushing not in operation.
23-Oct	2.00	0.00	7.00	-	0.38	0.00	2.66	-	-	1.00	0.00	7.00	-	0.03	0.00	0.21	-	46.7	52.2	57.8	
24-Oct	6.00	-	11.00	-	1.14	-	3.80	-	-	4.00	-	10.00	-	0.12	-	0.30	-	50.0	54.9	61.6	A2 air monitor was removed to install insulation. It will be reinstalled Oct. 26.
25-Oct	27.00	-	12.00	-	3.04	-	3.80	-	-	16.00	-	11.00	-	0.49	-	0.33	-	51.0	54.3	75.1	
26-Oct	1.00	8.00	16.00	-	2.66	2.66	5.70	-	-	8.00	8.00	16.00	-	0.24	0.24	0.49	-	46.9	46.8	58.6	
27-Oct	12.00	9.00	15.00	-	1.90	1.90	4.94	-	-	8.00	8.00	15.00	-	0.24	0.24	0.46	-	44.3	49.4	51.0	
28-Oct	15.00	5.00	15.00	-	2.28	0.76	4.94	-	-	10.00	5.00	14.00	-	0.30	0.15	0.43	-	51.3	50.3	59.1	
29-Oct	12.00	0.00	12.00	-	1.14	0.00	4.18	-	-	7.00	0.00	11.00	-	0.21	0.00	0.33	-	50.6	54.2	69.7	
30-Oct	6.00	6.00	13.00	-	0.76	0.76	4.56	-	-	4.00	6.00	13.00	-	0.12	0.18	0.40	-	45.1	42.6	50.2	
31-Oct	4.00	4.00	15.00	-	1.14	0.76	5.32	-	-	4.00	3.00	15.00	-	0.12	0.09	0.46	-	45.6	49.0	69.0	
1-Nov	6.00	1.00	14.00	-	1.14	0.38	5.32	-	-	5.00	1.00	14.00	-	0.15	0.03	0.43	-	44.6	48.8	60.9	
2-Nov	10.00	3.00	17.00	-	2.66	1.14	6.46	-	-	8.00	3.00	17.00	-	0.24	0.09	0.52	-	40.3	43.3	57.4	
3-Nov	10.00	5.00	21.00	-	3.04	1.90	7.98	-	-	8.00	5.00	21.00	-	0.24	0.15	0.64	-	41.0	40.7	58.6	
4-Nov	10.00	7.00	23.00	-	3.42	2.66	8.36	-	-	10.00	7.00	23.00	-	0.30	0.21	0.70	-	37.4	38.0	46.0	
5-Nov	10.00	7.00	23.00	-	3.80	2.66	8.74	-	-	10.00	7.00	23.00	-	0.30	0.21	0.70	-	39.3	57.5	49.5	
6-Nov	5.00	4.00	18.00	-	1.90	1.52	6.84	-	-	5.00	4.00	18.00	-	0.15	0.12	0.55	-	39.3	39.3	49.6	
7-Nov	13.00	28.00	28.00	-	4.56	9.50	9.88	-	-	12.00	27.00	28.00	-	0.36	0.82	0.85	-	39.4	41.6	44.5	
8-Nov	36.00	27.00	52.00	-	13.30	9.12	19.38	-	-	35.00	26.00	51.00	-	1.06	0.79	1.55	-	43.5	43.6	48.8	Small maintenance activities were going on. Particulate concentrations at

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
9-Nov	36.00	25.00	39.00	-	13.68	9.12	14.82	-	-	36.00	24.00	39.00	-	1.09	0.73	1.19	-	48.7	46.6	62.0	Northwest Calgary Airshed station were much higher than normal on Nov. 8-9.
10-Nov	13.00	6.00	26.00	-	4.18	1.90	9.50	-	-	12.00	6.00	25.00	-	0.36	0.18	0.76	-	46.0	45.8	53.6	
11-Nov	22.00	4.00	25.00	-	4.94	1.14	9.50	-	-	18.00	4.00	25.00	-	0.55	0.12	0.76	-	44.4	47.8	50.7	
12-Nov	6.00	3.00	23.00	-	1.52	0.38	8.36	-	-	5.00	3.00	23.00	-	0.15	0.09	0.70	-	45.6	45.7	51.7	
13-Nov	9.00	4.00	25.00	-	1.90	0.38	8.36	-	-	7.00	3.00	24.00	-	0.21	0.09	0.73	-	52.2	49.2	59.6	
14-Nov	29.00	19.00	52.00	-	11.02	7.22	19.76	-	-	29.00	19.00	52.00	-	0.88	0.58	1.58	-	45.4	46.0	52.8	
15-Nov	30.00	25.00	58.00	-	11.02	7.98	20.90	-	-	30.00	24.00	57.00	-	0.91	0.73	1.73	-	44.6	46.3	53.1	No crushing operation on 16th and 17th Nov. . Particulate concentrations at
16-Nov	31.00	2.00	56.00	-	11.78	0.76	20.90	-	-	31.00	2.00	56.00	-	0.94	0.06	1.70	-	45.5	44.1	49.3	Northwest Calgary Airshed station were much higher than normal on Nov. 14-17.
17-Nov	37.00	24.00	63.00	-	13.68	9.12	23.56	-	-	36.00	24.00	63.00	-	1.09	0.73	1.92	-	42.3	41.6	49.7	click here to see the analysis from Promat
18-Nov	6.00	4.00	29.00	-	1.90	1.14	11.02	-	-	5.00	4.00	29.00	-	0.15	0.12	0.88	-	49.4	52.1	64.7	
19-Nov	4.00	2.00	28.00	-	0.76	0.00	9.88	-	-	3.00	1.00	27.00	-	0.09	0.03	0.82	-	49.6	49.4	64.5	
20-Nov	10.00	8.00	38.00	-	3.42	2.28	14.44	-	-	10.00	8.00	38.00	-	0.30	0.24	1.16	-	42.1	43.0	52.9	
21-Nov	18.00	15.00	51.00	-	6.46	4.94	18.62	-	-	18.00	15.00	51.00	-	0.55	0.46	1.55	-	46.3	46.5	53.1	
22-Nov	51.00	4.00	32.00	-	11.40	0.00	11.78	-	-	33.00	4.00	32.00	-	1.00	0.12	0.97	-	49.6	50.0	55.8	
23-Nov	21.00	3.00	34.00	-	7.98	0.76	12.92	-	-	21.00	3.00	34.00	-	0.64	0.09	1.03	-	51.0	50.7	56.4	
24-Nov	-	1.00	34.00	-	-	0.38	12.54	-	-	-	1.00	34.00	-	-	0.03	1.03	-	49.7	49.6	50.4	A1 is down for maintenance,
25-Nov	-	1.00	36.00	-	-	0.00	13.68	-	-	-	1.00	36.00	-	-	0.03	1.09	-	40.8	40.0	52.2	
26-Nov	-	1.00	37.00	-	-	0.38	14.06	-	-	-	1.00	37.00	-	-	0.03	1.12	-	41.9	44.6	51.4	
27-Nov	-	1.00	40.00	-	-	0.00	14.82	-	-	-	1.00	39.00	-	-	0.03	1.19	-	50.2	53.4	64.6	
28-Nov	-	25.00	53.00	-	-	0.38	17.48	-	-	-	19.00	51.00	-	-	0.58	1.55	-	47.7	48.5	52.8	A1 is down for maintenance, No crushing on 25 and 26 Nov. Promet will analysis
29-Nov	15.00	0.00	45.00	-	5.70	0.00	16.72	-	-	15.00	0.00	44.00	-	0.46	0.00	1.34	-	52.2	53.1	61.4	the A3 Monitor in this week after installing A1 back. Also, refer attached letter on
30-Nov	14.00	1.00	48.00	-	5.32	0.00	17.86	-	-	14.00	1.00	48.00	-	0.43	0.03	1.46	-	47.4	52.4	55.4	correction factor of 0.38. They are coming up with an action plan in this week for
1-Dec	3.00	1.00	49.00	-	0.76	-0.76	18.24	-	-	3.00	0.00	49.00	-	0.09	0.00	1.49	-	44.2	47.7	49.3	A3
2-Dec	9.00	4.00	57.00	-	3.04	1.14	21.28	-	-	8.00	4.00	57.00	-	0.24	0.12	1.73	-	46.7	49.7	57.8	
3-Dec	11.00	6.00	61.00	-	3.80	2.28	22.80	-	-	10.00	6.00	61.00	-	0.30	0.18	1.85	-	41.0	40.7	57.1	
4-Dec	6.00	5.00	54.00	-	1.90	1.14	19.38	-	-	6.00	4.00	53.00	-	0.18	0.12	1.61	-	47.6	49.2	48.9	
5-Dec	12.86	3.71	38.22	-	1.36	0.52	13.09	-	-	9.16	3.22	37.34	-	0.28	0.10	1.14	-	46.3	49.1	57.5	
6-Dec	7.08	6.20	8.96	-	1.30	1.04	1.70	-	-	5.65	5.61	8.08	-	0.17	0.17	0.25	-	45.8	46.8	50.9	
7-Dec	4.82	5.48	8.44	-	1.20	0.89	1.60	-	-	4.34	5.04	7.83	-	0.13	0.15	0.24	-	47.6	51.0	55.4	
8-Dec	8.97	13.59	12.05	-	1.81	1.59	2.08	-	-	7.64	12.17	10.86	-	0.23	0.37	0.33	-	44.1	49.9	52.5	
9-Dec	6.82	14.31	7.76	-	1.71	4.68	1.94	-	-	6.00	13.96	7.45	-	0.18	0.42	0.23	-	39.9	40.1	52.1	
10-Dec	18.15	17.11	20.74	-	6.14	5.80	7.01	-	-	17.30	16.74	20.28	-	0.53	0.51	0.62	-	40.7	41.4	57.1	
11-Dec	21.70	12.10	17.01	-	6.08	2.33	5.26	-	-	19.80	10.97	17.04	-	0.60	0.33	0.52	-	47.0	46.4	52.1	
12-Dec	10.40	7.98	12.41	-	3.15	2.12	4.07	-	-	9.30	7.53	12.14	-	0.28	0.23	0.37	-	43.0	42.6	58.7	
13-Dec	10.10	6.15	-	-	2.93	1.25	-	-	-	9.30	5.70	-	-	0.28	0.17	-	-	45.6	50.1	52.4	A3 monitor malfunctioning, waiting for metone to be set up
14-Dec	12.60	6.19	-	-	3.23	1.50	-	-	-	11.10	5.72	-	-	0.34	0.17	-	-	47.2	49.2	52.9	A3 monitor malfunctioning, waiting for metone to be set up
15-Dec	4.80	4.68	-	-	1.33	1.12	-	-	-	4.40	4.44	-	-	0.13	0.13	-	-	41.2	42.1	53.9	A3 monitor malfunctioning, waiting for metone to be set up
16-Dec	6.50	3.05	-	-	1.90	0.77	-	-	-	5.70	2.91	-	-	0.17	0.09	-	-	43.6	47.6	50.3	A3 monitor malfunctioning, waiting for metone to be set up
17-Dec	3.20	1.78	-	-	0.53	0.27	-	-	-	2.30	1.57	-	-	0.07	0.05	-	-	43.4	44.8	62.9	A3 monitor malfunctioning, waiting for metone to be set up
18-Dec	2.30	2.48	-	-	0.53	0.52	-	-	-	1.80	2.29	-	-	0.05	0.07	-	-	51.2	49.4	53.0	A3 monitor malfunctioning, waiting for metone to be set up
19-Dec	7.80	4.61	-	-	2.32	1.50	-	-	-	7.00	4.49	-	-	0.21	0.14	-	-				"" - Last day crushing, only east crusher ran. Noise instrument calibration by dBA, no data available
20-Dec	1.91	1.56	-	-	0.71	0.47	-	-	-	1.89	1.52	-	-	0.06	0.05	-	-	38.0	38.8	43.7	Waiting for promet to install met one monitors in place of A3 dust track
21-Dec	2.86	2.18	-	-	0.95	0.58	-	-	-	2.61	2.03	-	-	0.08	0.06	-	-	43.1	42.2	46.1	Waiting for promet to install met one monitors in place of A3 dust track
22-Dec	3.14	1.94	1.38	-	1.14	0.65	0.28	-	-	3.05	1.83	-	-	0.09	0.06	-	-	39.4	39.0	43.0	Waiting for promet to install met one monitors in place of A3 dust track
23-Dec	2.23	2.28	1.97	-	0.45	0.36	0.43	-	-	1.50	1.74	-	-	0.05	0.05	-	-	38.9	38.2	43.1	Waiting for promet to install met one monitors in place of A3 dust track
24-Dec	2.39	1.93	1.70	-	0.84	0.58	0.45	-	-	2.26	1.82	-	-	0.07	0.06	-	-	38.0	38.7	41.4	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
25-Dec	6.39	2.28	2.22	-	2.39	0.79	0.69	-	-	6.39	2.28	-	-	0.19	0.07	-	-	38.5	38.2	40.9	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
26-Dec	10.99	2.39	4.37	-	4.09	0.70	0.86	-	-	10.84	2.16	-	-	0.33	0.07	-	-	37.2	38.0	47.1	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
27-Dec	3.00	1.21	2.62	-	1.08	0.32	0.39	-	-	2.88	1.13	-	-	0.09	0.03	-	-	38.1	38.6	41.4	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
28-Dec	3.43	1.00	3.28	-	1.23	0.24	0.45	-	-	3.26	0.90	-	-	0.10	0.03	-	-	35.4	34.7	40.8	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
29-Dec	6.17	1.74	4.36	-	2.17	0.54	0.77	-	-	5.82	1.63	-	-	0.18	0.05	-	-	36.6	37.0	39.2	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
30-Dec	9.94	2.39	8.21	-	3.50	0.57	1.66	-	-	9.36	2.04	-	-	0.28	0.06	-	-	35.8	36.3	39.6	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
31-Dec	8.76	0.68	4.79	-	3.08	0.20	1.04	-	-	8.14	0.61	-	-	0.25	0.02	-	-	37.2	37.4	50.1	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
1-Jan	2.46	1.10	1.85	-	0.76	0.24	0.27	-	1.22	2.27	1.06	-	-	0.07	0.03	-	-	37.7	38.7	45.1	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
2-Jan	1.97	1.55	2.69	-	0.61	0.39	0.29	-	1.18	1.75	1.39	-	-	0.05	0.04	-	-	40.9	40.6	45.6	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
3-Jan	2.01	0.25	2.99	-	0.71	0.22	0.28	-	1.52	1.97	0.81	-	-	0.06	0.02	-	-	42.3	42.0	47.4	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
4-Jan	13.63	1.04	2.96	-	2.99	0.29	0.29	-	1.96	11.67	1.04	-	-	0.35	0.03	-	-	43.9	45.3	48.0	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
5-Jan	2.65	0.42	2.25	-	0.80	0.12	0.28	-	1.79	2.50	0.04	-	-	0.08	0.00	-	-	44.2	48.7	49.8	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
6-Jan	2.23	1.05	2.66	-	0.68	0.30	0.32	-	2.21	2.02	0.99	-	-	0.06	0.03	-	-	42.9	48.0	49.5	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
7-Jan	2.30	1.58	3.32	-	0.83	0.36	0.39	-	3.14	2.28	1.50	-	-	0.07	0.05	-	-	41.4	44.5	49.7	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
8-Jan	1.38	1.18	2.41	-	0.36	0.23	0.24	-	9.08	1.25	1.09	-	-	0.04	0.03	-	-	-	-	-	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. dBA noise control out for calibration, no valid data.
9-Jan	18.55	4.92	11.90	-	6.48	1.82	3.00	-	11.03	17.70	4.90	-	-	0.54	0.15	-	-	44.9	44.9	53.1	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
10-Jan	6.24	0.54	5.30	-	2.17	0.15	1.20	-	2.02	5.86	0.50	-	-	0.18	0.02	-	-	38.5	38.3	41.5	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
11-Jan	10.51	0.78	7.90	-	3.99	0.23	1.90	-	9.73	10.48	0.76	-	-	0.32	0.02	-	-	39.9	40.4	48.3	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
12-Jan	23.04	1.70	11.50	-	8.72	0.55	3.00	-	19.69	23.02	1.65	-	-	0.70	0.05	-	-	40.8	40.2	43.9	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
13-Jan	5.70	2.28	2.80	-	1.27	0.37	0.30	-	4.55	4.79	2.05	-	-	0.15	0.06	-	-	44.1	46.2	49.5	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
14-Jan	11.22	4.45	6.30	-	4.25	1.65	1.10	-	4.79	11.19	4.45	-	-	0.34	0.14	-	-	39.9	41.9	49.2	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
15-Jan	16.70	-	9.90	-	6.28	-	2.30	-	11.59	16.55	-	-	-	0.50	-	-	-	44.3	44.6	53.3	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
16-Jan	5.11	-	3.30	-	1.41	-	0.40	-	3.16	4.68	-	-	-	0.14	-	-	-	44.3	47.4	48.0	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
17-Jan	7.49	-	1.50	-	1.29	-	0.20	-	3.39	5.99	-	-	-	0.18	-	-	-	44.6	45.4	51.7	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
18-Jan	0.24	-	1.70	-	0.06	-	0.20	-	2.17	0.16	-	-	-	0.00	-	-	-	42.3	41.9	46.6	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
19-Jan	0.85	1.14	1.60	-	0.19	0.18	0.20	-	3.34	0.67	0.91	-	-	0.02	0.03	-	-	45.9	49.8	48.8	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. A3 (521) installed in A2 location. A2 down for maintenance.
20-Jan	0.73	0.70	1.60	-	0.13	0.13	0.20	-	2.53	0.48	0.53	-	-	0.01	0.02	-	-	42.9	46.8	45.4	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
21-Jan	3.01	5.91	2.80	-	0.84	1.56	0.30	-	5.02	2.72	5.05	-	-	0.08	0.15	-	-	38.0	38.4	43.0	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
22-Jan	2.50	1.25	1.59	-	0.32	0.15	0.53	-	2.06	1.73	1.00	-	-	0.05	0.03	-	-	45.7	50.0	49.4	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
23-Jan	3.38	5.67	2.58	-	0.82	1.11	0.84	-	4.84	2.78	4.71	-	-	0.08	0.14	-	-	45.4	47.5	51.2	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
24-Jan	11.53	10.48	3.63	-	2.81	2.01	1.33	-	10.19	9.65	8.85	-	-	0.29	0.27	-	-	47.2	46.8	56.9	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
25-Jan	45.50	34.29	20.45	-	17.06	12.39	15.39	-	18.73	44.27	32.67	-	-	1.35	0.99	-	-	43.1	45.7	54.6	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
26-Jan	31.13	35.35	18.16	-	10.76	11.50	12.39	-	13.60	30.49	34.67	-	-	0.93	1.05	-	-	41.8	44.6	51.4	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
27-Jan	26.21	29.21	26.00	-	9.89	10.79	11.65	-	13.70	26.08	28.94	-	-	0.79	0.88	-	-	42.1	42.6	54.6	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
28-Jan	23.56	26.71	11.34	-	8.76	10.01	8.73	-	12.53	23.28	26.13	-	-	0.71	0.79	-	-	40.4	41.5	43.6	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available.
29-Jan	2.12	15.90	4.39	-	0.50	4.56	3.03	-	12.96	1.78	14.90	-	-	0.05	0.45	-	-	46.5	45.3	51.3	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. East and West crushers not operating.
30-Jan	1.23	9.58	1.69	6.60	0.22	0.95	0.65	2.08	1.85	0.95	6.50	-	6.60	0.03	0.20	-	0.20	45.7	48.5	48.9	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. GHD installed a fourth DustTrak at location A4. East crusher not operating.
31-Jan	20.57	20.04	8.89	32.79	7.76	7.24	7.13	12.33	11.85	20.27	19.63	-	32.79	0.62	0.60	-	1.00	39.2	39.8	50.3	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. East crushers not operating, west crusher shut down at 12:00 (noon).
1-Feb	27.52	26.58	11.31	34.98	10.12	8.93	7.99	13.13	9.28	27.24	25.77	-	34.96	0.83	0.78	-	1.06	41.6	41.8	49.6	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. East and West crusher not operating due to weather.
2-Feb	41.58	38.58	27.00	47.77	15.71	14.18	21.51	17.99	-	41.42	38.23	-	47.71	1.26	1.16	-	1.45	42.6	42.2	47.0	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. East and West crusher not operating due to weather. No available data from CRAZ NW.
3-Feb	7.89	15.23	8.82	24.94	2.74	5.53	6.28	9.24	-	7.33	14.94	-	24.88	0.22	0.45	-	0.76	38.6	37.2	44.7	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. East and West crusher not operating due to weather. No available data from CRAZ NW.
4-Feb	4.25	7.56	2.76	20.07	1.57	2.75	2.51	7.63	-	4.19	7.50	-	20.07	0.13	0.23	-	0.61	37.0	38.0	44.8	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. East and West crusher not operating due to weather. No available data from CRAZ NW.

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
5-Feb	8.00	8.63	2.69	-	2.99	3.14	2.45	-	-	7.90	8.48	-	-	0.24	0.26	-	-	39.0	40.6	41.3	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. A4 monitor down due to frigid temperatures. East and West crusher not operating due to weather. No available data from CRAZ NW.
6-Feb	5.81	6.02	2.03	-	2.01	2.14	1.40	-	-	5.47	5.90	-	-	0.17	0.18	-	-	37.8	37.1	41.9	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. A4 monitor down due to frigid temperatures. East and West crusher not operating due to weather. No available data from CRAZ NW.
7-Feb	11.75	11.98	3.28	-	4.41	4.34	2.60	-	9.39	11.68	11.85	-	-	0.35	0.36	-	-	38.1	38.7	53.1	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. A4 monitor down due to frigid temperatures. East and West crusher not operating due to weather.
8-Feb	5.17	7.02	3.38	-	1.93	2.53	2.46	-	5.58	5.08	6.88	-	-	0.15	0.21	-	-	35.9	38.9	41.2	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. A4 monitor down due to frigid temperatures. East and West crusher not operating due to weather.
9-Feb	10.40	10.35	4.68	-	3.93	3.85	3.84	-	10.01	10.37	10.27	-	-	0.32	0.31	-	-	35.9	35.5	39.4	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. A4 monitor down due to frigid temperatures. East and West crusher not operating due to weather.
10-Feb	4.90	5.42	1.98	-	1.58	1.73	1.69	-	3.90	4.45	4.94	-	-	0.14	0.15	-	-	37.0	36.0	48.1	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. A4 monitor down due to frigid temperatures. East and West crusher not operating due to weather.
11-Feb	3.60	4.25	2.72	-	1.27	1.46	1.42	-	3.22	3.40	4.04	-	-	0.10	0.12	-	-	36.4	37.3	50.6	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. A4 monitor down due to frigid temperatures. East and West crusher not operating due to weather.
12-Feb	3.38	3.67	1.68	-	1.03	1.04	1.04	-	5.15	3.13	3.38	-	-	0.10	0.10	-	-	38.5	38.3	51.4	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. A4 monitor down due to frigid temperatures. East and West crusher not operating due to weather.
13-Feb	1.21	6.17	1.46	2.00	0.25	0.69	0.63	0.71	1.96	0.88	3.79	-	2.00	0.03	0.12	-	0.06	45.6	46.6	50.4	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. East and west crusher not operating.
14-Feb	2.85	3.71	2.63	-	0.89	1.05	0.97	-	2.12	2.50	3.25	-	-	0.08	0.10	-	-	48.5	47.4	54.1	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. A4 monitor down due to frigid temperatures. East and west crusher not operating.
15-Feb	2.42	17.60	9.08	4.11	0.69	3.72	2.25	1.10	1.73	2.06	14.21	-	4.06	0.06	0.43	-	0.12	42.0	40.7	47.3	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. East crusher not operating.
16-Feb	4.46	5.81	1.63	8.25	1.00	1.16	0.81	2.42	1.57	3.54	4.71	-	8.19	0.11	0.14	-	0.25	41.5	42.9	50.4	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. East crusher not operating.
17-Feb	2.33	2.94	2.01	-	0.81	0.94	0.91	-	0.75	2.17	2.73	-	-	0.07	0.08	-	-	35.1	36.5	40.0	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. A4 monitor down due to solar panels being tampered with. East and west crusher not operating.
18-Feb	3.13	2.50	2.44	-	0.87	0.74	0.94	-	0.99	2.50	2.21	-	-	0.08	0.07	-	-	41.1	38.8	44.2	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. A4 monitor down due to solar panels being tampered with. East and west crusher not operating.
19-Feb	2.97	5.00	2.02	-	0.93	1.56	1.30	-	3.80	2.72	4.69	-	-	0.08	0.14	-	-	35.3	35.5	36.7	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. A4 monitor down due to solar panels being tampered with. North pit not operating due to statutory holiday.
20-Feb	5.62	3.92	2.12	-	1.35	1.05	1.54	-	2.97	4.76	3.40	-	-	0.14	0.10	-	-	40.6	42.9	45.4	Promet installed met one model e monitor at A3 location to monitor TSP and PM2.5, a third monitor to monitor PM10 was not available. . A4 monitor down due to solar panels being tampered with. East crusher not operating.
21-Feb	6.26	17.40	13.02	-	1.41	5.40	3.53	-	4.48	5.23	16.19	12.00	-	0.16	0.49	0.36	-	40.8	40.4	51.0	A4 monitor down due to solar panels being tampered with. East crusher not operating.
22-Feb	3.90	3.63	0.92	6.29	1.01	0.98	0.11	2.31	2.03	3.19	3.23	0.81	6.29	0.10	0.10	0.02	0.19	39.4	41.2	46.3	East crusher not operating.
23-Feb	7.56	30.71	4.10	25.02	1.75	5.30	0.89	9.21	4.18	5.71	23.33	3.60	24.98	0.17	0.71	0.11	0.76	43.7	43.8	49.4	East crusher not operating.
24-Feb	3.67	5.69	0.38	6.10	0.70	0.76	0.02	2.17	1.63	2.67	4.21	0.35	6.10	0.08	0.13	0.01	0.19	41.0	44.2	46.5	East crusher not operating.
25-Feb	1.17	5.94	0.22	5.15	0.29	0.62	0.02	1.84	1.46	0.96	3.96	0.22	5.15	0.03	0.12	0.01	0.16	38.0	37.1	43.8	
26-Feb	11.46	16.54	3.79	12.49	1.77	1.27	0.50	3.49	3.00	8.67	11.15	3.42	12.46	0.26	0.34	0.10	0.38	42.6	43.9	48.1	
27-Feb	6.04	13.48	0.43	-	0.74	1.28	0.03	-	2.21	3.65	8.65	0.32	-	0.11	0.26	0.01	-	46.0	50.1	49.5	A4 data omitted due to monitoring equipment malfunction
28-Feb	6.02	6.88	2.08	-	1.34	1.51	0.31	-	5.12	4.98	5.90	1.90	-	0.15	0.18	0.06	-	41.0	45.2	54.6	A4 data omitted due to monitoring equipment malfunction

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
1-Mar	12.83	15.50	11.71	-	4.72	5.18	4.00	-	10.69	12.63	15.02	11.67	-	0.38	0.46	0.35	-	42.8	44.0	53.7	A4 data omitted due to monitoring equipment malfunction
2-Mar	9.50	10.85	1.87	11.75	3.55	3.84	0.53	4.24	-	9.48	10.60	1.81	11.58	0.29	0.32	0.05	0.35	38.4	39.9	45.5	No CRAZ NW data available.
3-Mar	5.88	6.77	0.94	7.23	2.16	2.28	0.20	2.49	-	5.76	6.29	0.85	7.08	0.18	0.19	0.03	0.22	39.4	39.4	43.3	No CRAZ NW data available.
4-Mar	9.70	11.31	2.17	10.40	3.61	4.06	0.68	3.86	-	9.63	11.10	2.13	10.38	0.29	0.34	0.06	0.32	35.4	35.8	39.2	No CRAZ NW data available.
5-Mar	14.19	15.00	4.23	13.85	5.30	5.19	1.06	5.17	-	14.13	14.63	4.13	13.85	0.43	0.44	0.13	0.42	38.5	40.5	47.7	No CRAZ NW data available.
6-Mar	26.21	22.60	12.19	20.50	9.53	7.57	2.55	7.66	18.72	25.77	21.71	11.50	20.48	0.78	0.66	0.35	0.62	43.3	41.4	51.8	East crusher down.
7-Mar	27.27	28.94	13.29	42.11	9.82	9.48	3.11	15.56	18.75	26.65	27.63	12.79	42.09	0.81	0.84	0.39	1.28	40.5	42.3	50.5	
8-Mar	63.81	67.83	22.10	60.08	24.16	25.21	7.13	22.73	45.10	63.73	67.35	21.73	60.08	1.94	2.05	0.66	1.83	45.1	44.5	51.7	Elevated background values due to high pollution levels caused by temperature inversion. Environment Canada issues Air Quality Advisory for Calgary. Note that CRAZ NW data exceeds north quarry operation action levels for PM2.5. Source: Environment Canada.
9-Mar	10.44	10.46	6.65	8.72	3.13	3.67	2.38	3.08	21.63	9.46	10.13	6.56	8.72	0.29	0.31	0.20	0.27	46.6	47.8	53.0	Environment Canada ends Air Quality Advisory.
10-Mar	8.04	8.85	3.75	6.67	2.72	2.74	0.84	2.42	7.20	7.63	8.27	3.52	6.63	0.23	0.25	0.11	0.20	38.8	42.6	47.0	
11-Mar	11.04	15.37	7.87	9.27	3.64	4.33	1.94	3.25	7.37	10.37	14.30	7.63	9.25	0.32	0.43	0.23	0.28	37.6	36.2	41.2	
12-Mar	6.98	9.60	6.91	5.02	2.12	2.39	1.26	1.68	6.44	6.45	8.60	6.56	4.98	0.20	0.26	0.20	0.15	44.7	45.6	52.9	
13-Mar	12.85	16.21	9.68	10.15	3.82	3.93	2.03	3.40	7.94	11.81	14.48	9.36	10.13	0.36	0.44	0.28	0.31	40.8	45.8	52.3	
14-Mar	30.40	35.42	22.56	28.98	10.69	10.71	5.87	10.45	24.68	29.48	33.17	21.90	28.96	0.90	1.01	0.67	0.88	42.2	45.2	53.5	
15-Mar	41.42	43.92	15.53	43.71	15.68	16.45	5.87	16.53	32.86	41.38	43.73	15.47	43.69	1.26	1.33	0.47	1.33	43.7	45.7	49.6	North pit shut down at 12:00 due to weather.
16-Mar	38.20	39.38	14.29	36.21	14.34	14.21	4.92	13.69	24.25	38.00	38.52	14.02	36.21	1.16	1.17	0.43	1.10	39.3	40.3	42.7	North pit shut down for potential weather.
17-Mar	41.98	43.85	16.54	43.77	15.90	16.51	6.18	16.58	28.49	41.92	43.77	16.54	43.77	1.27	1.33	0.50	1.33	38.1	38.2	43.1	North pit shut down for potential weather.
18-Mar	17.29	18.13	7.23	17.75	6.56	6.83	2.68	6.74	11.17	17.29	18.06	7.23	17.75	0.53	0.55	0.22	0.54	39.2	38.1	44.1	North pit shut down for potential weather.
19-Mar	10.18	10.73	5.00	9.57	3.70	3.83	1.54	3.58	8.74	10.06	10.58	4.88	9.57	0.31	0.32	0.15	0.29	40.5	41.8	48.0	
20-Mar	4.81	8.21	5.49	3.96	1.73	2.26	1.04	1.40	4.93	4.71	7.31	5.09	3.96	0.14	0.22	0.15	0.12	42.3	44.4	51.7	East crusher not operating.
21-Mar	21.81	23.13	12.29	21.19	7.75	7.77	3.93	7.82	12.33	21.27	22.29	12.10	21.17	0.65	0.68	0.37	0.64	41.1	43.3	50.5	
22-Mar	74.04	79.71	29.17	80.92	27.97	29.06	10.23	30.50	27.49	73.94	79.00	29.00	80.92	2.25	2.40	0.88	2.46	42.0	43.5	52.2	Wind direction for March 22, 2018 was predominantly from the east to southeast. Elevated values can be partially attributed to off-site sources. These minor and short duration concentrations are not anticipated to have a negative health impact on the community receptors.
23-Mar	11.39	17.77	7.00	16.33	4.05	6.55	2.50	6.10	8.90	11.03	17.60	7.05	16.33	0.34	0.54	0.21	0.50	43.6	46.5	51.0	
24-Mar	4.77	6.50	3.17	2.74	1.44	1.41	0.56	0.80	1.87	4.46	5.67	3.08	2.72	0.14	0.17	0.09	0.08	41.8	42.2	46.3	
25-Mar	2.35	3.63	1.04	-	0.80	0.98	0.25	-	2.72	2.23	3.26	1.02	-	0.07	0.10	0.03	-	39.2	42.1	44.5	A4 monitor down due to flow fault.
26-Mar	1.13	3.02	0.27	1.04	0.29	0.40	0.03	0.20	1.97	0.92	2.42	0.25	1.04	0.03	0.07	0.01	0.03	46.2	49.5	47.5	West crusher down for maintenance. CRAZ NW Website down, data will be added once available.
27-Mar	4.35	2.67	0.81	14.92	0.77	0.53	0.16	5.62	3.02	3.19	2.23	0.79	14.92	0.10	0.07	0.02	0.45	47.4	50.3	51.3	East crusher down for maintenance. CRAZ NW Website down, data will be added once available.
28-Mar	3.79	5.63	2.58	8.81	1.36	1.66	0.83	3.30	5.24	3.69	5.04	2.50	8.77	0.11	0.15	0.08	0.27	41.6	44.0	48.3	
29-Mar	14.69	19.02	9.48	8.10	5.32	6.50	3.21	3.03	11.30	14.40	18.31	9.39	8.10	0.44	0.56	0.29	0.25	40.5	42.8	51.8	
30-Mar	-	8.06	1.77	11.13	-	2.96	0.59	4.14	4.31	-	7.96	1.77	11.10	-	0.24	0.05	0.34	41.5	39.2	49.1	Site not operating due to statutory holiday. A1 monitor down due to solar panel exchange.
31-Mar	-	8.42	1.83	5.16	-	3.05	0.59	1.89	5.92	-	8.29	1.83	5.16	-	0.25	0.06	0.16	36.0	36.3	42.8	Site not operating due to statutory holiday. A1 monitor down due to solar panel exchange.
1-Apr	-	12.69	3.13	-	-	4.39	0.99	-	9.10	-	12.35	3.06	-	-	0.38	0.09	-	35.5	36.3	41.0	Site not operating due to statutory holiday. A4 monitor down due to flow fault. A1 monitor down due to solar panel exchange.
2-Apr	15.14	8.90	3.23	3.43	4.99	2.80	0.85	1.19	8.69	14.29	8.48	3.15	3.43	0.43	0.26	0.10	0.10	42.6	44.1	46.9	
3-Apr	20.38	22.50	11.27	25.53	6.28	6.11	2.60	9.28	11.76	18.83	20.50	10.77	25.53	0.57	0.62	0.33	0.78	43.6	41.6	51.6	
4-Apr	31.09	39.98	10.31	35.38	10.76	13.67	3.14	13.19	18.10	29.85	38.79	10.10	35.33	0.91	1.18	0.31	1.07	47.0	45.9	52.8	
5-Apr	9.38	10.63	3.15	9.86	3.10	3.21	0.74	3.60	4.92	8.92	9.81	3.04	9.86	0.27	0.30	0.09	0.30	38.8	42.2	47.4	
6-Apr	12.06	13.04	5.50	13.83	4.28	4.35	0.86	5.12	8.60	11.63	12.42	4.69	13.79	0.35	0.38	0.14	0.42	44.9	43.6	57.8	
7-Apr	10.81	12.00	3.15	16.17	4.01	4.27	0.93	6.07	7.73	10.69	11.79	3.04	16.15	0.32	0.36	0.09	0.49	40.0	41.8	52.1	East crusher not operating.
8-Apr	13.90	14.73	7.19	-	5.26	5.45	2.57	-	11.66	13.88	14.71	7.17	-	0.42	0.45	0.22	-	41.5	40.9	42.6	A4 monitor down due to solar panel being covered with snow. Site not operational.
9-Apr	25.13	24.35	15.48	18.26	8.87	8.62	5.24	6.74	17.43	24.46	23.90	15.38	18.23	0.74	0.73	0.47	0.55	42.6	42.7	53.1	
10-Apr	10.69	14.13	8.42	23.64	3.41	3.77	2.05	8.71	14.30	10.17	13.02	8.17	23.64	0.31	0.40	0.25	0.72	42.3	41.3	52.2	
11-Apr	21.44	24.02	13.73	-	7.68	8.08	4.59	-	20.17	21.10	22.98	13.54	-	0.64	0.70	0.41	-	42.5	46.0	54.9	A4 batteries are not maintaining charge, A4 monitor down.
12-Apr	17.52	19.48	8.23	-	6.61	7.23	3.07	-	10.25	17.46	19.13	8.17	-	0.53	0.58	0.25	-	42.9	43.1	57.0	A4 batteries are not maintaining charge, A4 monitor down.
13-Apr	17.15	16.60	9.67	-	6.10	5.58	3.10	-	9.37	16.69	15.92	9.50	-	0.51	0.48	0.29	-	43.4	43.4	52.2	A4 batteries are not maintaining charge, A4 monitor down.
14-Apr	8.88	7.77	5.42	13.42	2.35	2.06	1.40	4.82	5.44	7.85	7.13	5.29	13.42	0.24	0.22	0.16	0.41	43.5	47.5	50.9	GHD replaces batteries on A4 monitor.
15-Apr	12.54	13.63	8.60	14.65	4.52	4.54	2.88	5.42	10.89	12.40	13.25	8.56	14.63	0.38	0.40	0.26	0.44	41.9	41.3	43.8	Site not operating.
16-Apr	13.69	14.21	8.23	19.63	5.16	5.27	3.05	7.41	8.60	13.69	14.15	8.21	19.63	0.42	0.43	0.25	0.60	42.2	41.4	46.9	Site not operating due to weather.
17-Apr	22.37	26.21	14.04	24.56	8.01	8.68	4.65	9.29	13.93	21.96	24.96	13.90	24.53	0.67	0.76	0.42	0.75	45.4	40.9	51.0	Site not operating due to weather.
18-Apr	7.63	8.04	4.19	-	2.34	2.36	1.07	-	4.48	7.02	7.48	4.02	-	0.21	0.23	0.12	-	47.2	44.1	54.6	A4 data omitted due to monitoring equipment malfunction.
19-Apr	8.22	9.58	9.44	-	2.22	2.30	2.20	-	6.23	7.33	8.67	9.10	-	0.22	0.26	0.28	-	44.8	43.7	52.0	A4 data omitted due to monitoring equipment malfunction.
20-Apr	7.77	9.17	11.77	5.86	2.02	2.11	2.26	1.89	7.03	6.83	8.08	11.17	5.86	0.21	0.25	0.34	0.18	43.9	43.9	53.6	
21-Apr	4.92	7.73	3.90	8.08	1.18	1.50	0.99	2.44	5.87	4.21	6.31	3.75	8.08	0.13	0.19	0.11	0.25	49.1	51.1	53.2	
22-Apr	3.21	2.81	2.46	2.44	0.74	0.65	0.66	0.89	1.38	2.79	2.50	2.42	2.44	0.08	0.08	0.07	0.07	40.1	39.9	60.4	Site not operating.

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
23-Apr	6.02	8.92	11.78	4.73	1.45	1.77	2.83	1.57	4.61	5.19	7.60	11.22	4.73	0.16	0.23	0.34	0.14	43.0	41.4	49.7	East crusher not operating.
24-Apr	9.65	12.58	6.44	6.54	1.78	1.98	1.27	1.92	6.83	7.56	9.81	6.21	6.48	0.23	0.30	0.19	0.20	40.8	42.1	48.6	East crusher not operating.
25-Apr	14.10	13.06	10.54	11.27	4.05	3.99	3.30	4.01	8.92	12.83	12.42	10.35	11.25	0.39	0.38	0.31	0.34	43.6	45.5	49.1	East crusher not operating.
26-Apr	14.85	16.13	15.11	9.71	3.51	3.60	3.19	3.25	8.21	12.51	14.04	14.57	9.67	0.38	0.43	0.44	0.29	40.6	41.3	48.9	East crusher not operating.
27-Apr	15.77	19.92	16.17	10.31	3.73	4.26	3.44	3.33	10.35	13.50	17.48	15.58	10.27	0.41	0.53	0.47	0.31	44.0	43.4	54.4	
28-Apr	20.96	21.00	18.15	-	6.32	6.33	5.57	-	11.93	19.04	19.79	17.94	-	0.58	0.60	0.55	-	40.6	45.2	59.3	West crusher not operating. A4 rental DustTrak exchanged for new DustTrak. A4 down due to connection issues.
29-Apr	10.43	7.58	8.19	-	3.37	2.62	2.92	-	4.49	9.93	7.46	8.17	-	0.30	0.23	0.25	-	48.5	49.0	52.0	A4 down due to connection issues.
30-Apr	-	10.85	13.02	-	-	3.81	4.31	-	6.55	-	10.63	12.90	-	-	0.32	0.39	-	47.0	44.5	51.6	A1 down due to connection issues. A4 down due to connection issues.
1-May	-	10.06	8.96	8.49	-	3.62	3.29	3.17	-	-	9.90	8.94	8.48	-	0.30	0.27	0.26	45.2	49.7	50.1	A1 down due to connection issues. No CRAZ NW data available.
2-May	-	8.65	7.52	11.83	-	3.02	2.68	4.07	-	-	8.42	7.50	11.77	-	0.26	0.23	0.36	45.3	49.3	49.8	A1 down due to connection issues. No CRAZ NW data available.
3-May	10.54	10.54	7.85	11.65	3.01	3.13	2.51	3.93	-	9.46	9.81	7.81	11.58	0.29	0.30	0.24	0.35	45.2	49.1	50.9	No CRAZ NW data available.
4-May	6.73	6.98	6.54	12.21	1.81	2.00	2.11	3.92	-	5.94	6.56	6.48	12.15	0.18	0.20	0.20	0.37	47.1	50.2	51.6	No CRAZ NW data available.
5-May	7.19	9.60	8.52	9.92	1.82	2.25	2.20	3.50	-	6.21	8.33	8.33	9.90	0.19	0.25	0.25	0.30	43.3	43.8	55.2	No CRAZ NW data available.
6-May	7.29	9.25	7.56	12.67	1.94	2.47	2.11	4.57	-	6.44	8.48	7.40	12.63	0.20	0.26	0.22	0.38	44.1	44.9	59.0	No CRAZ NW data available.
7-May	18.70	11.31	10.90	10.09	3.73	2.92	3.06	3.45	-	15.21	10.25	10.77	9.98	0.46	0.31	0.33	0.30	43.4	48.6	50.0	No CRAZ NW data available.
8-May	7.48	7.25	7.88	4.73	1.79	1.98	2.28	1.64	5.31	6.38	6.67	7.60	4.69	0.19	0.20	0.23	0.14	44.0	48.1	50.5	Short day due to early shutdown for safety rodeo.
9-May	8.74	12.33	9.17	8.20	2.26	2.70	2.23	2.35	4.35	7.74	10.81	8.98	8.09	0.24	0.33	0.27	0.25	43.3	43.7	57.6	
10-May	12.15	14.60	107.27	21.48	4.26	4.77	18.51	7.09	7.17	11.77	13.79	106.35	21.42	0.36	0.42	3.23	0.65	42.9	43.7	54.0	Wind direction for May 10, 2018 was predominantly from the southeast. The elevated readings at the A3 background monitor, located on the western site boundary, were observed between 05:30 and 08:30, outside site operating hours. These concentrations are not anticipated to have a negative health impact on the community receptors, which are located east of the site.
11-May	12.98	14.33	17.19	15.83	4.55	4.87	6.15	5.85	8.12	12.60	13.85	17.19	15.83	0.38	0.42	0.52	0.48	44.7	46.2	50.6	
12-May	12.08	10.00	9.29	8.19	3.16	3.10	2.95	2.89	7.73	10.60	9.38	9.19	8.17	0.32	0.29	0.28	0.25	43.8	44.9	50.9	
13-May	10.88	11.75	10.15	7.98	3.02	3.35	3.00	2.77	6.57	9.71	10.81	10.00	7.94	0.30	0.33	0.30	0.24	42.2	42.0	47.2	
14-May	14.54	12.90	9.96	9.35	3.36	3.37	2.74	2.99	8.81	11.98	11.60	9.69	10.48	0.36	0.35	0.29	0.32	43.2	44.8	48.2	
15-May	11.52	13.52	16.13	9.78	3.59	4.31	4.66	3.29	10.84	10.69	12.83	15.96	9.67	0.32	0.39	0.49	0.29	43.2	44.9	49.9	
16-May	26.23	27.67	27.42	-	7.68	7.61	8.32	-	15.63	23.40	25.13	26.85	-	0.71	0.76	0.82	-	44.8	46.6	52.4	A4 down due to connection issues.
17-May	18.06	19.19	18.02	12.04	7.16	7.28	6.37	4.49	9.13	17.88	18.92	17.94	12.04	0.54	0.58	0.55	0.37	42.0	45.2	52.2	
18-May	12.54	12.90	19.09	20.90	4.84	4.44	6.89	7.85	6.75	12.04	12.42	19.00	20.90	0.37	0.38	0.58	0.64	44.9	42.9	50.8	
19-May	7.58	8.29	-	-	3.34	2.72	-	-	4.17	6.98	7.83	-	-	0.21	0.24	-	-	47.8	47.5	50.5	A4 Monitor not operating due to connection issues. A3 data omitted due to monitoring equipment malfunction. Site not operating due to long weekend.
20-May	6.88	5.89	-	-	2.68	1.83	-	-	5.02	6.52	5.43	-	-	0.20	0.16	-	-	42.3	40.7	42.6	A4 Monitor not operating due to connection issues. A3 data omitted due to monitoring equipment malfunction. Site not operating due to long weekend.
21-May	6.04	5.02	-	-	1.94	1.39	-	-	3.72	5.52	4.50	-	-	0.17	0.14	-	-	43.0	40.9	42.2	A4 Monitor not operating due to connection issues. A3 data omitted due to monitoring equipment malfunction. Site not operating due to long weekend.
22-May	9.63	11.33	14.76	11.71	2.72	2.47	2.37	4.04	8.95	8.42	9.54	14.10	11.63	0.26	0.29	0.43	0.35	44.0	44.8	53.7	
23-May	12.44	14.31	15.46	10.78	3.40	3.71	3.06	3.67	9.49	10.96	12.46	14.88	10.71	0.33	0.38	0.45	0.33	44.5	43.8	55.7	
24-May	20.00	17.19	9.15	13.21	5.34	5.42	2.77	4.58	11.37	16.79	16.04	8.81	12.98	0.51	0.49	0.27	0.39	45.6	50.0	50.1	
25-May	14.98	16.77	12.04	13.71	5.00	5.07	3.37	4.81	10.06	13.67	15.27	11.77	14.83	0.42	0.46	0.36	0.45	44.2	44.4	51.9	
26-May	11.13	13.04	8.38	9.27	3.48	3.82	2.19	3.29	7.31	10.19	11.75	8.10	9.19	0.51	0.59	0.41	0.46	45.5	46.0	51.6	Perimeter Air Monitoring Plan implemented. Upon recommendation from Alberta Transportation and Jacobs Engineering, a 24 hour average will be used for calculating the indicated silica value.
27-May	12.69	13.69	8.58	10.50	4.09	4.12	2.13	3.62	7.25	11.60	12.67	8.15	10.44	0.58	0.63	0.41	0.52	41.7	41.7	42.1	
28-May	12.52	9.81	5.98	10.90	3.38	2.66	1.57	3.35	-	10.50	8.81	5.73	10.71	0.53	0.44	0.29	0.54	43.0	45.9	48.7	No CRAZ NW data available.
29-May	9.54	11.38	6.50	6.67	2.86	2.91	1.03	2.07	6.70	8.31	9.92	6.02	6.58	0.42	0.50	0.30	0.33	44.0	45.4	50.4	
30-May	10.31	13.29	8.21	10.27	3.83	4.05	2.98	3.67	-	9.94	12.00	8.02	10.19	0.50	0.60	0.40	0.51	43.4	45.3	52.4	No CRAZ NW data available.
31-May	12.58	14.08	20.08	17.25	5.07	5.24	7.51	6.48	-	12.54	13.96	20.08	17.21	0.63	0.70	1.00	0.86	45.6	43.8	58.2	No CRAZ NW data available.
1-Jun	6.69	6.38	5.48	6.96	2.68	2.28	2.11	2.64	4.93	6.54	7.42	5.46	8.15	0.33	0.37	0.27	0.41	44.4	45.0	50.3	
2-Jun	6.17	4.44	1.13	4.77	2.06	1.46	0.49	1.56	4.41	5.52	4.19	1.08	4.71	0.28	0.21	0.05	0.24	46.6	48.7	49.0	
3-Jun	7.10	6.10	4.77	6.73	2.59	1.96	1.50	2.38	-	6.60	5.69	4.60	6.65	0.33	0.28	0.23	0.33	45.2	42.4	45.7	No CRAZ NW data available.
4-Jun	3.88	-	4.04	2.85	1.54	-	0.46	0.81	2.79	3.44	-	3.71	2.67	0.17	-	0.19	0.13	45.4	49.1	49.1	A3 data omitted due to monitoring equipment malfunction.
5-Jun	4.88	0.65	2.63	3.90	1.85	0.13	0.82	1.19	3.06	4.40	0.46	2.40	3.85	0.22	0.02	0.12	0.19	43.2	44.0	51.0	
6-Jun	9.69	7.35	9.17	-	3.10	2.08	3.31	-	8.15	8.81	6.58	8.92	-	0.44	0.33	0.45	-	43.6	44.7	55.5	A4 not operating due to connection issues.
7-Jun	20.65	21.65	20.65	18.74	6.41	6.72	5.91	6.30	11.97	18.85	20.42	20.27	18.55	0.94	1.02	1.01	0.93	41.2	41.6	48.4	
8-Jun	18.65	17.27	14.15	14.77	5.42	5.43	4.19	5.34	9.63	16.73	16.58	13.98	15.92	0.84	0.83	0.70	0.80	45.9	42.8	58.9	Crushers not operating.
9-Jun	9.21	14.58	16.21	10.52	2.95	3.94	3.48	3.02	6.11	8.63	13.00	15.52	9.10	0.43	0.65	0.78	0.46	47.0	45.2	50.7	
10-Jun	3.98	33.35	4.02	4.04	1.50	18.70	1.47	1.48	2.37	3.98	33.19	4.00	5.27	0.20	1.66	0.20	0.26	57.5	45.4	47.9	
11-Jun	7.31	4.56	0.50	4.81	1.37	1.46	0.10	1.03	0.62	5.12	4.12	0.44	4.38	0.26	0.21	0.02	0.22	50.5	55.0	54.1	
12-Jun	3.89	-	0.06	1.99	0.96	-	0.24	0.55	1.34	3.31	-	0.04	1.87	0.17	-	0.00	0.09	46.3	49.0	48.6	A2 Monitor not operating due to flow and laser error.
13-Jun	6.69	-	3.33	3.42	1.66	-	0.59	0.93	2.70	5.46	-	3.00	3.32	0.27	-	0.15	0.17	43.7	45.8	49.5	A2 Monitor not operating due to flow and laser error. East crusher not operating.
14-Jun	4.63	1.87	1.29	3.00	1.85	0.67	0.24	0.94	2.38	4.25	1.87	1.25	2.98	0.21	0.09	0.06	0.15	47.4	51.0	53.2	A2 Monitor replacement unit installed. A2 Monitor being repaired.
15-Jun	3.83	2.85	1.52	3.25	1.58	1.06	0.27	1.09	4.01	3.46	2.85	1.44	3.25	0.17	0.14	0.07	0.16	51.5	50.3	53.3	East crusher not operating.
16-Jun	4.28	4.67	3.42	4.96	1.82	1.74	1.14	1.78	4.59	4.17	4.65	3.38	4.94	0.21	0.23	0.17	0.25	43.2	45.2	50.2	East crusher not operating.

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
17-Jun	6.02	5.23	4.81	7.79	2.03	1.94	1.44	2.32	4.70	5.65	5.23	4.73	6.50	0.28	0.26	0.24	0.33	42.3	44.1	44.5	
18-Jun	7.25	6.48	13.63	7.71	2.45	2.39	2.98	2.76	6.55	6.69	6.46	13.06	7.65	0.33	0.32	0.65	0.38	44.1	59.4	46.9	
19-Jun	6.96	7.56	10.81	7.69	2.16	2.76	2.26	2.69	8.68	6.27	7.56	10.33	7.63	0.31	0.38	0.52	0.38	44.0	52.2	43.8	
20-Jun	7.85	7.69	23.83	8.48	2.43	2.81	5.34	2.91	6.30	7.08	7.65	23.17	11.02	0.35	0.38	1.16	0.55	43.9	59.7	45.1	
21-Jun	8.46	8.02	13.48	9.02	2.47	2.98	3.59	2.98	7.06	7.23	8.02	13.10	8.83	0.36	0.40	0.66	0.44	46.1	53.8	44.5	
22-Jun	12.71	10.94	12.02	12.19	4.28	4.14	4.31	4.47	7.75	11.60	10.92	11.94	12.15	0.58	0.55	0.60	0.61	57.8	57.6	57.4	Crushers shut down at 1400 due to lightning.
23-Jun	13.15	16.04	17.77	16.94	5.30	6.10	6.62	6.33	8.89	13.06	16.04	17.73	16.94	0.65	0.80	0.89	0.85	51.8	52.1	50.5	Crushers not operating due to heavy rain.
24-Jun	14.54	15.13	-	16.65	5.53	5.71	-	6.18	7.95	14.19	15.10	-	19.06	0.71	0.76	-	0.95	43.8	47.3	43.9	Crushers not operating. A3 Monitor not operating due to connectivity issues.
25-Jun	9.46	9.81	-	4.09	3.00	3.66	-	4.09	5.24	8.48	9.79	-	12.40	0.42	0.49	-	0.62	49.9	-	56.2	A3 Monitor not operating due to connectivity issues. N2 noise monitor not operating due to software error.
26-Jun	9.69	6.08	4.24	2.71	1.84	2.07	0.78	2.71	1.60	5.98	5.88	3.96	12.15	0.30	0.29	0.20	0.61	-	-	-	Noise data omitted due to equipment calibration.
27-Jun	7.79	6.46	2.54	0.40	2.48	2.31	0.76	0.40	2.38	5.58	6.42	2.48	1.12	0.28	0.32	0.12	0.06	48.8	52.2	53.1	
28-Jun	7.04	9.50	18.63	1.79	2.45	3.48	4.04	1.79	5.40	5.98	9.48	17.92	5.35	0.30	0.47	0.90	0.27	46.8	44.8	54.2	
29-Jun	4.23	9.00	9.79	1.80	1.54	3.39	2.85	1.80	5.10	4.13	8.98	9.50	5.13	0.21	0.45	0.48	0.26	46.3	45.0	53.4	
30-Jun	1.58	6.57	3.35	0.58	0.54	2.47	0.89	0.58	1.61	1.40	6.55	3.25	1.83	0.07	0.33	0.16	0.09	44.1	44.3	49.7	East crusher not operating.
1-Jul	1.13	6.17	2.46	1.65	0.40	2.30	0.64	0.47	3.04	1.02	6.17	2.38	1.58	0.05	0.31	0.12	0.08	43.4	45.4	48.8	Crushers not operating due to holiday.
2-Jul	2.13	8.21	6.98	2.83	0.89	3.10	2.35	0.97	4.21	2.08	8.21	6.85	2.79	0.10	0.41	0.34	0.14	44.6	44.3	53.4	East crusher not operating.
3-Jul	2.79	6.52	2.10	0.85	1.01	2.45	0.69	0.29	0.68	2.58	6.50	2.08	0.81	0.13	0.33	0.10	0.04	46.8	49.5	51.1	
4-Jul	4.13	6.15	6.38	4.77	1.57	2.27	2.13	1.69	5.64	3.90	6.15	6.23	4.73	0.19	0.31	0.31	0.24	43.8	43.7	53.7	East crusher not operating.
5-Jul	6.04	5.40	20.08	7.15	1.98	1.96	4.76	2.42	5.57	5.33	5.38	19.33	7.06	0.27	0.27	0.97	0.35	46.4	45.4	56.7	
6-Jul	11.27	9.10	18.40	11.90	3.45	3.32	4.96	3.91	8.95	9.88	9.08	18.04	11.63	0.49	0.45	0.90	0.58	44.8	46.0	51.0	
7-Jul	20.00	6.48	8.13	8.96	4.16	2.29	2.32	2.57	4.85	13.90	6.33	8.00	8.54	0.69	0.32	0.40	0.43	48.8	52.1	51.3	
8-Jul	3.17	5.27	6.50	5.75	1.48	1.87	1.76	1.24	3.37	2.65	5.21	6.35	4.10	0.13	0.26	0.32	0.21	43.7	42.8	46.6	Crushers not operating.
9-Jul	9.63	6.00	15.17	7.54	9.38	2.15	8.71	5.79	6.41	7.42	5.96	14.67	7.31	0.37	0.30	0.73	0.37	43.3	43.9	52.1	
10-Jul	7.13	3.54	10.50	7.31	9.19	1.25	7.94	6.15	6.06	6.21	3.54	10.29	7.19	0.31	0.18	0.51	0.36	51.6	52.1	52.9	
11-Jul	5.46	1.58	4.40	3.67	5.31	0.56	2.98	2.81	3.56	3.98	1.56	4.27	3.56	0.20	0.08	0.21	0.18	43.5	45.5	50.8	
12-Jul	8.83	6.21	12.17	5.33	3.21	2.26	4.44	3.25	7.03	6.06	6.17	11.60	5.27	0.30	0.31	0.58	0.26	43.9	46.0	51.1	
13-Jul	10.06	8.13	11.15	5.92	4.02	2.98	4.94	3.92	10.13	7.15	8.10	10.65	5.71	0.36	0.41	0.53	0.29	41.4	42.6	52.7	
14-Jul	3.17	3.36	3.23	1.63	3.77	1.28	1.65	0.92	2.82	2.40	3.36	3.08	1.50	0.12	0.17	0.15	0.08	45.0	45.6	50.4	
15-Jul	4.17	-	3.98	2.48	3.90	-	2.00	1.40	4.01	2.98	-	3.75	2.35	0.15	-	0.19	0.12	43.0	39.1	42.4	Crushers not operating. A2 Monitor not operating due to flow error.
16-Jul	7.17	7.38	9.96	3.81	4.73	2.71	3.02	2.04	7.87	5.10	7.38	9.46	3.77	0.26	0.37	0.47	0.19	41.5	44.0	50.1	East crusher not operating.
17-Jul	13.35	12.23	14.96	7.81	7.06	4.53	5.73	4.60	9.46	10.06	12.23	14.38	7.69	0.50	0.61	0.72	0.38	41.6	43.9	57.6	
18-Jul	5.65	10.55	19.77	6.73	5.73	3.89	6.69	4.40	8.69	4.83	10.52	18.85	6.50	0.24	0.53	0.94	0.33	53.5	51.5	55.9	
19-Jul	6.15	-	18.73	6.75	7.35	-	8.25	5.56	8.69	5.58	-	17.88	6.58	0.28	-	0.89	0.33	46.0	44.5	55.2	A2 Monitor not operating due to flow error.
20-Jul	8.00	-	28.46	10.42	7.71	-	12.65	7.85	8.08	6.94	-	27.48	10.02	0.35	-	1.37	0.50	44.5	46.7	51.8	A2 Monitor not operating due to flow error.
21-Jul	5.08	-	13.83	3.73	4.96	-	3.88	2.33	3.08	3.81	-	12.96	3.44	0.19	-	0.65	0.17	45.1	44.9	54.1	A2 Monitor not operating due to flow error.
22-Jul	3.33	-	2.83	1.88	4.06	-	1.56	1.25	3.52	2.54	-	2.73	1.71	0.13	-	0.14	0.09	44.1	47.0	47.0	Crushers not operating. A2 Monitor not operating due to flow error.
23-Jul	3.71	-	8.98	4.31	4.25	-	4.42	2.96	5.33	3.31	-	8.56	4.13	0.17	-	0.43	0.21	47.8	-	-	A2 Monitor not operating due to flow error. Noise data omitted for N2 and N3 locations due to service activity on monitor.
24-Jul	3.85	-	9.52	6.06	3.85	-	8.10	5.73	7.65	3.85	-	9.42	6.04	0.19	-	0.47	0.30	40.9	44.7	53.4	A2 Monitor not operating due to flow error.
25-Jul	3.73	-	8.90	5.48	3.50	-	5.67	4.69	6.01	3.54	-	8.52	5.46	0.18	-	0.43	0.27	44.5	44.8	50.7	A2 Monitor not operating due to flow error.
26-Jul	6.90	-	13.10	9.46	6.58	-	10.94	8.81	14.34	6.75	-	12.96	9.31	0.34	-	0.65	0.47	43.6	46.5	51.1	A2 Monitor not operating due to flow error.
27-Jul	10.42	-	8.54	14.38	10.23	-	5.04	13.25	15.94	10.31	-	8.23	14.27	0.52	-	0.41	0.71	43.6	44.9	52.1	A2 Monitor not operating due to flow error.
28-Jul	10.48	-	6.38	14.31	9.90	-	2.50	13.10	13.52	10.02	-	6.02	16.29	0.50	-	0.30	0.81	47.3	43.7	50.8	A2 Monitor not operating due to flow error.
29-Jul	8.04	-	8.02	10.29	7.42	-	6.10	8.94	11.97	7.67	-	7.83	10.15	0.38	-	0.39	0.51	39.1	40.8	41.0	A2 Monitor not operating due to flow error. Site not operating.
30-Jul	11.42	25.55	17.98	14.83	10.27	9.56	13.46	12.54	13.54	10.77	25.55	17.73	14.50	0.54	1.28	0.89	0.73	47.7	48.8	54.0	
31-Jul	8.27	-	12.12	11.06	7.94	-	6.71	9.98	11.84	8.10	-	11.32	10.94	0.41	-	0.57	0.55	44.6	44.1	55.0	A2 Monitor not operating due to flow error. East crusher down to change screens and liner. GHD installs repaired A2 Monitor.
1-Aug	13.90	40.94	33.14	19.15	13.75	14.06	17.38	17.02	16.72	13.67	22.06	31.98	18.60	0.68	1.10	1.60	0.93	47.1	44.7	54.8	
2-Aug	11.08	21.73	5.89	14.38	11.17	10.81	3.96	13.31	12.53	10.90	14.50	5.73	14.29	0.54	0.73	0.29	0.71	54.7	53.7	58.5	Shutdown early for rain/ hail
3-Aug	13.63	20.40	4.06	14.15	11.92	13.33	3.60	13.15	11.42	12.71	15.48	4.00	13.94	0.64	0.77	0.20	0.70	46.5	49.5	50.3	
4-Aug	7.83	11.48	1.08	10.19	8.00	8.75	0.98	9.33	0.45	7.71	9.79	1.06	10.06	0.39	0.49	0.05	0.50	44.9	47.9	49.2	
5-Aug	5.90	13.29	0.23	7.85	6.10	7.15	0.12	7.44	0.00	5.88	8.90	0.21	7.81	0.29	0.44	0.01	0.39	42.9	41.7	42.5	Site not operating.
6-Aug	5.90	12.90	0.17	7.42	5.42	6.77	0.01	6.46	8.65	5.58	8.77	0.15	7.19	0.28	0.44	0.01	0.36	42.5	43.4	45.0	Site not operating due to holiday
7-Aug	19.44	42.33	13.92	25.19	18.69	24.29	12.25	23.08	24.92	19.10	28.58	13.75	24.85	0.96	1.43	0.69	1.24	44.1	62.5	49.3	N1 noise monitor reading higher than normal due to tree planting along east side of berm.
8-Aug	41.94	81.83	47.21	54.83	41.73	50.79	41.29	51.98	39.17	41.63	56.65	46.54	54.33	2.08	2.83	2.33	2.72	57.7	45.1	49.1	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Air Quality Health Index: Max 5.6 - Moderate Risk. Air Quality health Index Message: At Risk Population: consider reducing or rescheduling strenuous activities outdoors if you are experiencing symptoms. General Population: No need to modify outdoor activities. N1 noise monitor reading higher than normal due to tree planting along east side of berm.

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
9-Aug	43.31	52.77	53.42	57.13	43.10	40.65	44.94	54.65	43.78	43.13	42.65	52.44	56.58	2.16	2.13	2.62	2.83	47.7	43.5	52.6	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Air Quality Health Index: Max 5.5 - Moderate Risk. Air Quality health Index Message: At Risk Population: consider reducing or rescheduling strenuous activities outdoors if you are experiencing symptoms. General Population: No need to modify outdoor activities.
10-Aug	42.81	53.65	51.98	61.71	42.54	43.02	45.96	57.79	56.70	42.48	45.40	51.27	61.13	2.12	2.27	2.56	3.06	52.2	46.5	51.6	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Air Quality Health Index: Max 6.5 - Moderate Risk. Air Quality health Index Message: At Risk Population: consider reducing or rescheduling strenuous activities outdoors if you are experiencing symptoms. General Population: No need to modify outdoor activities.
11-Aug	62.15	70.23	69.60	82.90	62.13	60.06	68.00	79.83	66.98	61.96	62.54	69.21	82.27	3.10	3.13	3.46	4.11	46.8	49.6	51.6	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Air Quality Health Index: Max 10.2 - High Risk. Air Quality health Index Message: At Risk Population: avoid strenuous activities outdoors. General Population: Reduce or reschedule strenuous activities outdoors.
12-Aug	14.25	18.42	12.65	19.69	14.54	13.46	11.58	18.67	13.57	14.29	14.69	12.42	19.58	0.71	0.73	0.62	0.98	42.5	43.4	45.1	Site not operating.
13-Aug	8.68	12.98	5.98	8.13	8.25	5.44	2.13	7.35	7.87	8.62	7.46	5.40	8.00	0.43	0.37	0.27	0.40	43.9	43.5	53.5	
14-Aug	31.21	17.88	16.00	25.25	27.29	13.08	13.42	23.04	19.79	30.35	14.25	15.67	24.96	1.52	0.71	0.78	1.25	46.1	46.2	49.1	
15-Aug	442.25	176.88	212.75	228.50	422.21	162.73	207.42	223.17	164.26	434.98	165.04	211.81	226.06	21.75	8.25	10.59	11.30	43.3	45.5	51.8	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Air Quality Health Index: Max 11 - High Risk. Air Quality health Index Message: At Risk Population: avoid strenuous activities outdoors. General Population: Reduce or reschedule strenuous activities outdoors.
16-Aug	367.65	167.73	175.27	175.23	346.71	133.13	169.31	171.73	123.33	362.19	141.98	174.75	174.52	18.11	7.10	8.74	8.73	45.5	44.7	56.1	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Air Quality Health Index: Max 10.8 - High Risk. Air Quality health Index Message: At Risk Population: avoid strenuous activities outdoors. General Population: Reduce or reschedule strenuous activities outdoors.
17-Aug	157.67	89.85	62.60	68.08	128.29	57.60	56.29	64.52	54.49	144.71	66.15	61.98	67.58	7.24	3.31	3.10	3.38	51.3	45.6	52.1	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Air Quality Health Index: Max 5.9 - Moderate Risk. Air Quality health Index Message: At Risk Population: consider reducing or rescheduling strenuous activities outdoors if you are experiencing symptoms. General Population: No need to modify outdoor activities.
18-Aug	220.44	154.08	119.38	127.71	202.72	129.19	116.60	124.94	95.23	212.52	134.13	118.71	126.94	10.63	6.71	5.94	6.35	41.7	47.0	48.9	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Air Quality Health Index: Max 10.3 - High Risk. Air Quality health Index Message: At Risk Population: avoid strenuous activities outdoors. General Population: Reduce or reschedule strenuous activities outdoors.

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
19-Aug	108.75	73.52	59.73	64.40	97.17	52.56	56.83	62.42	48.62	104.58	57.56	59.33	64.04	5.23	2.88	2.97	3.20	44.3	42.4	42.9	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Site not operating. Air Quality Health Index: Max 5.9 - Moderate Risk. Air Quality health Index Message: At Risk Population: consider reducing or rescheduling strenuous activities outdoors if you are experiencing symptoms. General Population: No need to modify outdoor activities. Site not operating.
20-Aug	59.75	47.69	36.27	42.35	53.48	33.85	33.83	40.96	34.01	57.98	37.23	35.98	42.06	2.90	1.86	1.80	2.10	44.4	46.0	50.4	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Site not operating. Air Quality Health Index: Max 4.4 - Moderate Risk. Air Quality Health Index Message: At Risk Population: Consider reducing or rescheduling strenuous activities outdoors if you are experiencing symptoms. General Population: No need to modify outdoor activities.
21-Aug	3.49	24.42	16.96	24.15	3.62	13.08	14.54	22.77	20.91	3.48	16.52	16.77	23.96	0.17	0.83	0.84	1.20	41.5	41.7	46.4	
22-Aug	58.10	56.31	37.63	44.83	57.38	35.29	33.50	42.19	40.90	57.84	41.08	37.06	44.48	2.89	2.05	1.85	2.22	44.0	43.8	53.1	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Site not operating. Air Quality Health Index: Max 6.9 - Moderate Risk. Air Quality health Index Message: At Risk Population: consider reducing or rescheduling strenuous activities outdoors if you are experiencing symptoms. General Population: No need to modify outdoor activities.
23-Aug	223.00	157.19	119.38	123.58	221.90	124.75	110.77	118.50	105.19	222.21	133.38	118.23	121.65	11.11	6.67	5.91	6.08	45.0	46.8	52.3	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Site not operating. Air Quality Health Index: Max 10.1 - High Risk. Air Quality Health Index Message: At Risk Population: Avoid strenuous activities outdoors. General Population: Reduce or reschedule strenuous activities outdoors.
24-Aug	157.02	75.85	66.88	76.79	156.53	68.73	66.42	75.98	59.77	156.68	70.21	66.79	76.52	7.83	3.51	3.34	3.83	56.3	50.0	51.2	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Site not operating. Air Quality Health Index: Max 7.4 - High Risk. Air Quality Health Index Message: At Risk Population: Avoid strenuous activities outdoors. General Population: Reduce or reschedule strenuous activities outdoors.
25-Aug	112.71	57.60	25.63	56.21	112.23	48.73	24.21	53.92	47.13	112.35	50.52	25.48	54.69	5.62	2.53	1.27	2.73	43.7	44.7	49.1	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Site not operating. Air Quality Health Index: Max 5.3 Moderate Risk. Air Quality Health Index Message: At Risk Population: Consider reducing or rescheduling strenuous activities outdoors if you are experiencing symptoms. General Population: No need to modify outdoor activities. West crusher down early due to maintenance.

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
26-Aug	111.73	56.90	56.10	53.81	111.17	51.60	55.58	53.25	44.61	111.27	52.23	55.92	53.63	5.56	2.61	2.80	2.68	41.5	43.1	46.1	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in British Columbia. Environment Canada issued an Air Quality Advisory for sensitive receptors. Site not operating. Air Quality Health Index: Max 4.9 - Moderate Risk. Air Quality Health Index Message: At Risk Population: Consider reducing or rescheduling strenuous activities outdoors if you are experiencing symptoms. General Population: No need to modify outdoor activities.
27-Aug	13.40	2.58	6.90	5.81	13.29	0.27	6.44	5.44	5.57	13.40	0.63	6.83	5.73	0.67	0.03	0.34	0.29	46.1	52.4	51.5	Site not operating.
28-Aug	16.02	5.27	10.40	8.54	15.83	1.10	8.06	7.29	10.81	15.98	2.10	10.17	8.29	0.80	0.11	0.51	0.41	45.5	46.1	50.9	West Crusher down for maintenance. Runtime approximately 4.5 hours.
29-Aug	28.33	21.69	15.56	17.17	28.02	8.73	13.83	13.94	14.26	28.29	12.35	15.27	16.52	1.41	0.62	0.76	0.83	48.2	47.9	51.6	
30-Aug	22.65	7.79	10.52	15.29	21.04	3.02	9.75	9.63	9.55	22.60	4.23	10.33	13.71	1.13	0.21	0.52	0.69	50.2	50.9	50.5	
31-Aug	17.38	6.40	8.79	12.31	16.79	0.29	7.81	7.94	8.06	17.29	1.35	8.63	11.06	0.86	0.07	0.43	0.55	51.8	52.0	52.5	
1-Sep	25.58	3.81	13.02	11.83	25.38	2.81	12.10	11.46	10.31	25.50	2.92	12.79	11.73	1.28	0.15	0.64	0.59	42.4	44.6	48.1	
2-Sep	28.23	10.75	14.79	16.13	27.88	2.79	13.75	13.42	9.82	28.08	4.75	14.63	15.69	1.40	0.24	0.73	0.78	44.8	43.0	44.2	
3-Sep	22.85	5.73	11.96	10.58	22.71	2.00	10.98	10.02	8.07	22.75	2.94	11.85	10.46	1.14	0.15	0.59	0.52	44.2	44.2	44.2	
4-Sep	9.42	0.77	7.27	4.42	9.33	-	4.90	3.63	4.52	9.33	-	6.81	4.33	0.47	-	0.34	0.22	45.0	45.7	51.6	A2 Monitor data omitted due to equipment malfunction.
5-Sep	16.08	8.38	18.83	10.42	15.67	-	8.73	8.58	7.93	16.08	-	17.56	10.17	0.80	-	0.88	0.51	46.0	45.7	55.5	A2 Monitor data omitted due to equipment malfunction.
6-Sep	14.42	14.38	15.92	8.60	13.40	-	7.63	6.17	12.56	14.27	-	14.98	8.52	0.71	-	0.75	0.43	58.9	45.5	54.4	A2 Monitor data omitted due to equipment malfunction.
7-Sep	42.13	25.92	24.96	24.33	41.23	8.31	20.48	19.60	24.45	41.98	12.77	24.56	22.65	2.10	0.64	1.23	1.13	59.0	48.3	57.3	Individual monitor automated alerts not functioning. Wind direction for September 7th, 2018 was predominantly from the west. The elevated readings at the A1 Monitor, located on the eastern site boundary, were observed between 12:00 PM and 12:00 PM, partially outside site operating hours.
8-Sep	26.75	12.94	14.38	18.56	25.02	4.77	12.13	12.67	13.14	26.48	6.33	14.21	17.00	1.32	0.32	0.71	0.85	51.1	50.6	51.1	Automated alerts were re-programmed and dust suppression activities resumed as normal.
9-Sep	9.17	0.21	6.44	4.71	9.04	-	4.42	3.75	4.80	9.13	-	6.10	4.60	0.46	-	0.31	0.23	47.5	40.4	42.2	A2 Monitor data omitted due to equipment malfunction. Crushers not operating.
10-Sep	7.13	-	5.42	4.33	6.85	-	3.52	2.79	5.17	7.08	-	5.13	4.19	0.35	-	0.26	0.21	48.1	48.8	51.8	A2 Monitor data omitted due to equipment malfunction. Crushers not operating.
11-Sep	5.79	1.75	7.04	2.13	5.52	0.01	2.81	1.67	5.33	5.75	0.25	6.29	2.04	0.29	0.01	0.31	0.10	48.9	46.7	54.9	
12-Sep	5.02	2.96	3.27	1.51	4.98	0.10	2.83	1.40	1.74	5.00	0.73	3.21	1.51	0.25	0.04	0.16	0.08	46.8	46.1	50.4	
13-Sep	7.10	4.65	4.38	2.83	7.04	0.20	3.88	2.71	1.80	7.08	0.83	4.29	2.81	0.35	0.04	0.21	0.14	41.3	43.5	50.5	
14-Sep	18.67	8.29	13.40	8.19	18.65	4.48	11.88	7.75	8.31	18.56	5.46	13.31	8.13	0.93	0.27	0.67	0.41	48.5	42.9	51.2	
15-Sep	6.63	3.96	43.38	9.13	6.58	1.33	7.10	4.48	3.53	6.58	1.75	41.06	6.29	0.33	0.09	2.05	0.31	39.9	45.7	49.8	
16-Sep	6.44	1.56	0.00	2.58	6.42	0.92	0.00	2.54	2.66	6.44	1.08	0.00	2.58	0.32	0.05	0.00	0.13	37.0	38.0	39.3	
17-Sep	8.94	4.92	13.42	5.58	8.75	2.06	1.27	4.60	7.22	8.92	2.79	12.96	5.46	0.45	0.14	0.65	0.23	44.5	44.8	54.2	
18-Sep	21.83	9.88	24.85	11.42	21.81	7.94	15.02	10.63	10.54	21.79	8.40	24.38	11.33	1.09	0.42	1.22	0.53	41.5	44.6	54.3	
19-Sep	19.79	8.69	11.88	10.67	19.63	6.33	10.08	9.00	7.79	19.67	7.02	11.67	9.21	0.98	0.35	0.58	0.45	43.9	43.6	53.7	
20-Sep	23.85	11.38	16.07	12.02	23.71	7.48	9.20	11.02	10.03	23.77	8.75	15.49	11.98	1.19	0.44	0.77	0.55	41.6	46.8	50.6	
21-Sep	9.08	2.22	61.47	5.14	8.08	0.97	8.44	3.46	4.31	9.08	1.19	58.06	5.11	0.45	0.06	2.90	0.17	41.6	41.2	46.5	No site operations on September 21st, 2018. GHD completed equipment maintenance between 9:00 AM and 2:00 PM. Data has been omitted during these maintenance hours.
22-Sep	40.67	2.08	114.48	3.31	17.52	0.77	13.73	2.54	2.39	40.40	0.98	110.92	3.29	2.02	0.05	5.55	0.13	40.8	39.4	42.4	No site operations on September 22nd, 2018. Wind direction for September 22nd, 2018 was predominantly from the southeast. The elevated readings at the A3 Monitor, located on the western site boundary, were observed between 12:00 AM and 6:00 AM, outside site operating hours. These concentrations are not anticipated to have a negative health impact on the community receptors, which are located east of the site.
23-Sep	53.29	4.71	162.98	4.58	22.19	2.17	17.40	3.58	4.85	52.56	2.65	153.17	4.54	2.63	0.13	7.66	0.18	42.0	42.2	48.0	No site operations on September 23rd, 2018. Wind direction for September 23rd, 2018 was predominantly from the south. The elevated readings at the A3 Monitor, located on the western site boundary, were observed between 12:00 AM and 8:30 AM, outside site operating hours. These concentrations are not anticipated to have a negative health impact on the community receptors, which are located east of the site.
24-Sep	11.52	3.71	0.44	3.19	10.29	1.52	0.08	2.90	2.88	11.35	2.15	0.42	3.15	0.57	0.11	0.02	0.16	47.8	49.6	51.0	
25-Sep	3.33	3.54	2.13	2.94	2.27	0.15	1.00	1.19	1.99	3.23	1.15	2.00	2.54	0.16	0.06	0.10	0.13	49.1	47.7	50.8	
26-Sep	8.50	8.58	5.17	2.50	5.31	1.42	2.35	1.54	3.38	8.23	3.65	4.90	2.42	0.41	0.18	0.24	0.12	46.1	45.3	50.0	
27-Sep	3.42	0.54	2.75	0.58	3.21	0.08	2.19	0.54	1.94	3.42	0.19	2.71	0.58	0.17	0.01	0.14	0.03	45.0	42.1	48.3	Crushers not operating due to weather conditions.
28-Sep	12.10	4.71	8.38	3.40	10.65	2.10	6.02	3.25	9.20	11.98	2.94	8.10	3.40	0.60	0.15	0.41	0.17	45.3	44.6	54.3	
29-Sep	7.08	2.33	4.13	1.85	6.31	0.85	3.52	1.75	2.94	7.00	1.21	4.08	1.81	0.35	0.06	0.20	0.09	43.0	47.4	50.0	
30-Sep	9.44	4.19	6.44	3.27	8.85	2.15	4.48	2.96	5.04	9.38	2.79	6.27	3.10	0.47	0.14	0.31	0.16	47.6	45.2	58.3	
1-Oct	19.08	6.19	11.77	6.69	18.21	4.92	7.46	6.44	7.08	18.98	5.27	11.54	6.67	0.95	0.26	0.58	0.33	41.6	44.5	51.3	
2-Oct	17.59	3.90	4.48	6.31	17.53	3.31	4.21	4.94	4.10	17.59	3.46	4.35	5.38	0.88	0.17	0.22	0.27	37.5	37.7	49.1	Crushers not operating due to weather conditions.
3-Oct	8.97	2.54	3.38	4.00	8.72	1.71	2.67	3.54	3.71	8.86	1.85	3.31	5.02	0.44	0.09	0.17	0.25	39.3	39.4	42.3	Crushers not operating due to weather conditions.
4-Oct	17.81	2.69	16.67	6.94	17.27	0.63	7.35	6.40	9.03	17.73	1.25	16.46	6.85	0.89	0.06	0.82	0.34	44.5	43.5	52.1	
5-Oct	8.40	4.50	6.54	2.96	7.17	0.19	2.25	2.58	7.43	8.27	1.42	6.13	2.96	0.41	0.07	0.31	0.15	43.6	42.9	51.1	

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
6-Oct	12.46	7.42	3.58	4.17	10.29	1.92	1.48	3.69	6.89	12.25	3.54	3.35	4.13	0.61	0.18	0.17	0.21	43.2	43.3	45.6	
7-Oct	10.52	6.06	5.56	4.31	9.56	1.46	3.79	3.98	8.30	10.44	2.79	5.25	4.27	0.52	0.14	0.26	0.21	41.2	40.4	43.2	
8-Oct	13.48	2.38	9.04	4.73	12.88	1.13	6.77	4.27	2.94	13.44	1.48	8.88	4.52	0.67	0.07	0.44	0.23	-	-	-	Data omitted due to calibration of monitors.
9-Oct	8.94	0.94	5.23	3.21	8.58	0.35	4.48	2.90	3.98	8.92	0.52	5.19	3.00	0.45	0.03	0.26	0.15	39.0	41.8	46.0	
10-Oct	21.28	3.33	16.29	7.42	21.03	2.81	9.67	6.98	8.28	21.28	3.00	16.17	7.35	1.06	0.15	0.81	0.37	43.7	41.2	51.7	
11-Oct	16.68	6.75	11.67	7.13	15.84	3.52	6.29	6.90	6.18	16.59	4.46	10.98	7.06	0.83	0.22	0.55	0.35	46.2	42.4	51.7	
12-Oct	3.83	2.00	0.23	3.15	3.15	0.06	0.06	1.56	1.57	3.77	0.29	0.19	2.40	0.19	0.01	0.01	0.12	51.8	51.6	56.3	
13-Oct	4.83	0.48	0.06	1.50	4.71	0.00	0.00	1.35	0.61	4.81	0.04	0.06	2.90	0.24	0.00	0.00	0.14	41.5	41.4	47.7	
14-Oct	2.29	1.19	0.04	0.90	2.08	0.00	0.00	0.83	0.59	2.27	0.04	0.04	0.88	0.11	0.00	0.00	0.04	40.2	39.3	47.1	Site not operating.
15-Oct	3.85	0.75	0.69	2.17	3.17	0.00	0.00	1.44	1.98	3.98	3.10	0.83	2.31	0.20	0.16	0.04	0.12	49.8	48.3	49.3	

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
16-Oct	11.67	1.25	0.98	3.00	7.21	0.00	0.00	2.00	4.08	12.08	4.33	1.19	3.10	0.60	0.22	0.06	0.16	47.1	47.4	49.4	
17-Oct	8.96	2.17	6.25	4.86	6.02	0.23	0.67	1.78	4.81	9.21	11.77	6.88	2.56	0.46	0.59	0.34	0.13	45.1	45.5	50.2	
18-Oct	20.54	1.92	14.60	6.25	12.71	0.00	5.04	3.92	8.77	21.33	18.94	16.29	6.60	1.07	0.95	0.81	0.33	47.1	45.5	51.7	
19-Oct	23.29	6.90	22.58	9.38	15.94	0.83	7.15	6.40	10.57	24.03	33.94	25.40	10.83	1.20	1.70	1.27	0.54	49.8	46.3	57.2	
20-Oct	19.72	8.29	11.17	6.25	13.42	1.96	3.85	4.13	9.54	20.31	26.48	12.33	6.67	1.02	1.32	0.62	0.33	44.7	42.2	49.1	
21-Oct	17.81	12.54	12.73	6.69	12.62	4.50	4.13	4.56	9.54	18.35	33.75	14.15	6.92	0.92	1.69	0.71	0.35	41.0	46.4	45.3	Site not operating.
22-Oct	14.30	41.63	19.08	7.85	12.84	4.48	5.08	4.77	7.96	14.19	14.75	17.25	7.54	0.71	0.74	0.86	0.38	43.2	49.1	50.6	
23-Oct	13.03	43.69	20.27	7.50	11.54	4.48	4.98	4.38	9.31	12.86	16.63	18.60	7.38	0.64	0.83	0.93	0.37	42.8	51.6	49.7	
24-Oct	12.60	11.81	7.19	6.33	11.72	3.81	3.60	4.35	5.52	12.60	6.73	6.83	5.92	0.63	0.34	0.34	0.30	47.1	46.5	48.9	
25-Oct	4.07	9.94	4.13	4.27	3.73	1.88	1.54	2.19	3.46	4.07	4.31	3.67	3.73	0.20	0.22	0.18	0.19	48.2	46.5	49.3	
26-Oct	0.39	10.65	5.92	2.17	0.29	1.31	1.38	1.27	1.79	0.39	4.25	5.31	2.08	0.02	0.21	0.27	0.10	46.2	43.6	51.7	
27-Oct	1.38	8.27	2.33	4.21	1.17	0.88	0.83	1.27	1.31	1.35	2.81	2.19	3.33	0.07	0.14	0.11	0.17	46.5	46.7	50.1	
28-Oct	1.44	5.94	3.35	1.54	1.27	1.17	1.06	0.88	3.54	1.44	2.90	3.02	1.50	0.07	0.14	0.15	0.08	44.3	43.3	45.9	Site not operating.
29-Oct	2.37	6.60	2.71	2.06	2.08	0.65	0.73	0.98	2.77	2.37	2.75	2.42	1.98	0.12	0.14	0.12	0.10	44.4	45.7	49.6	
30-Oct	3.29	4.38	2.29	3.38	3.13	0.60	0.83	1.17	1.84	3.29	1.85	2.10	2.77	0.16	0.09	0.11	0.14	49.3	47.8	48.9	
31-Oct	5.23	12.38	3.42	3.46	5.13	3.08	2.06	2.54	5.84	5.23	5.88	3.29	3.23	0.26	0.29	0.16	0.16	49.9	47.3	50.0	
1-Nov	6.67	8.38	5.69	2.77	6.35	1.77	2.40	2.06	2.59	6.65	3.96	5.38	2.71	0.33	0.20	0.27	0.14	43.8	45.7	50.0	
2-Nov	6.10	8.73	12.06	6.46	6.02	4.63	7.81	5.98	6.39	6.08	6.17	11.67	6.38	0.30	0.31	0.58	0.32	43.9	46.7	49.4	
3-Nov	1.33	3.13	2.63	2.67	1.27	0.98	2.46	1.96	1.42	1.33	1.52	2.63	2.52	0.07	0.08	0.13	0.13	47.4	44.6	51.0	
4-Nov	0.65	1.78	1.57	1.49	0.63	0.96	1.18	1.06	0.99	0.65	1.02	1.45	1.29	0.03	0.05	0.07	0.06	43.4	43.2	50.4	Site not operating.
5-Nov	6.90	10.23	7.15	7.60	6.83	6.67	5.67	7.27	3.68	6.90	7.69	6.92	7.50	0.34	0.38	0.35	0.38	41.6	41.7	49.2	
6-Nov	11.15	16.96	13.90	15.27	11.13	13.67	12.17	14.98	12.08	11.06	14.90	13.77	15.13	0.55	0.74	0.69	0.76	40.6	41.2	49.5	
7-Nov	9.02	8.90	4.73	11.83	9.02	5.67	4.23	10.42	8.74	8.83	6.56	4.67	11.77	0.44	0.33	0.23	0.59	43.4	42.5	47.6	
8-Nov	8.71	16.31	12.31	7.98	8.69	6.38	4.92	6.33	7.50	8.21	9.46	11.15	7.81	0.41	0.47	0.56	0.39	42.9	42.9	48.3	
9-Nov	5.49	8.92	2.85	5.44	5.43	2.52	2.17	3.50	7.37	5.47	4.25	2.75	5.08	0.27	0.21	0.14	0.25	46.2	45.7	48.5	
10-Nov	2.63	1.92	1.44	1.44	2.52	0.98	1.08	1.17	2.13	2.63	1.21	1.40	1.29	0.13	0.06	0.07	0.06	41.0	43.6	48.0	
11-Nov	8.38	5.40	6.73	5.54	8.38	4.19	5.40	5.25	3.27	8.40	4.42	6.69	5.46	0.42	0.22	0.33	0.27	39.2	40.0	43.3	Site not operating.
12-Nov	5.10	17.67	9.35	7.02	4.63	3.00	3.02	4.04	3.70	5.08	7.56	8.98	6.81	0.25	0.38	0.45	0.34	46.6	44.3	51.2	
13-Nov	3.67	8.04	2.75	4.69	3.38	1.50	1.88	2.31	1.96	3.67	3.63	2.63	3.88	0.18	0.18	0.13	0.19	51.2	49.2	57.2	
14-Nov	7.54	15.29	7.25	8.68	7.27	6.67	6.40	6.83	8.69	7.54	9.35	7.15	8.21	0.38	0.47	0.36	0.41	48.9	47.3	57.9	
15-Nov	4.20	23.29	15.00	5.72	2.35	1.88	3.13	2.58	2.82	3.95	8.10	13.38	5.35	0.20	0.41	0.67	0.27	46.1	45.0	51.9	
16-Nov	16.04	10.42	5.27	9.44	15.24	4.69	3.81	5.67	4.87	15.80	5.77	5.00	7.42	0.79	0.29	0.25	0.37	39.1	38.9	-	N3 data omitted due to storm damage and calibration of monitor. No exceedance of the 65 dBA limit outside of these events.
17-Nov	-	7.77	4.35	5.08	-	3.25	2.52	4.83	6.36	-	4.73	4.04	5.08	-	0.24	0.20	0.25	41.1	41.4	45.7	A1 Monitor not operating due to power failure. Power restored 11/20/2018. Site not operating
18-Nov	-	2.75	1.60	-	-	0.88	0.94	-	2.59	-	1.50	1.54	-	-	0.08	0.08	-	42.7	42.1	47.7	A1 Monitor and A4 Monitor not operating due to power failure. Power restored 11/20/2018. Site not operating.
19-Nov	-	8.04	4.33	-	-	1.56	1.79	-	6.09	-	3.67	4.10	-	-	0.18	0.21	-	44.4	45.1	49.7	A1 Monitor and A4 Monitor not operating due to power failure. Power restored 11/20/2018.
20-Nov	3.69	5.50	3.10	4.83	3.00	1.60	1.60	2.00	4.19	3.63	3.19	2.96	4.17	0.18	0.16	0.15	0.21	46.9	46.3	48.9	
21-Nov	33.94	36.31	10.75	12.11	16.06	4.92	4.02	5.11	10.46	31.54	14.69	9.92	11.78	1.58	0.73	0.50	0.59	48.6	44.9	53.0	
22-Nov	11.23	25.33	7.90	2.89	6.50	2.42	2.06	0.86	4.45	10.48	8.81	6.98	2.61	0.52	0.44	0.35	0.13	49.1	46.0	51.5	
23-Nov	28.54	12.06	11.58	9.48	26.90	8.46	10.27	9.17	12.43	28.27	9.58	11.40	9.42	1.41	0.48	0.57	0.47	41.1	42.1	49.1	
24-Nov	22.69	8.40	12.15	7.81	22.46	7.65	11.65	7.67	10.76	22.59	7.75	12.02	7.73	1.13	0.39	0.60	0.39	41.0	41.9	44.1	Site not operating.
25-Nov	3.10	2.46	1.23	1.06	2.90	1.08	0.83	1.04	1.92	3.08	1.52	1.21	1.06	0.15	0.08	0.06	0.05	44.3	42.3	49.5	Site not operating.
26-Nov	12.65	9.60	3.75	4.38	7.31	1.94	2.15	2.29	2.13	12.13	4.40	3.52	4.29	0.61	0.22	0.18	0.21	48.9	46.7	53.0	
27-Nov	4.52	1.40	0.50	1.02	2.13	0.10	0.04	0.29	1.50	4.23	0.44	0.44	0.96	0.21	0.02	0.02	0.05	46.9	46.3	48.8	
28-Nov	1.02	4.69	0.38	1.81	0.38	0.23	0.00	0.56	0.44	0.94	1.52	0.31	1.58	0.05	0.08	0.02	0.08	48.0	45.5	48.3	
29-Nov	19.96	8.13	6.65	3.06	7.25	0.79	1.42	1.19	2.35	17.67	3.29	6.00	2.98	0.88	0.16	0.30	0.15	42.5	42.7	50.2	
30-Nov	24.60	25.73	13.10	6.04	13.54	4.56	3.85	3.96	3.76	23.17	12.27	12.02	5.98	1.16	0.61	0.60	0.30	42.3	43.1	51.1	
1-Dec	23.10	10.75	8.27	7.63	20.88	6.58	7.04	7.21	9.55	22.83	8.10	8.33	7.50	1.14	0.41	0.42	0.38	41.8	43.8	48.3	
2-Dec	10.15	3.08	3.19	3.08	10.07	3.08	2.81	2.94	4.95	10.15	3.19	2.90	3.02	0.51	0.16	0.14	0.15	40.1	42.9	46.8	Site not operating.
3-Dec	8.83	15.15	1.96	4.92	7.17	2.42	1.54	2.81	5.93	8.69	6.71	1.90	4.85	0.43	0.34	0.09	0.24	44.8	41.3	50.5	
4-Dec	7.50	5.65	2.85	2.65	4.73	1.33	1.13	1.35	1.93	7.13	2.81	2.63	2.35	0.36	0.14	0.13	0.12	43.9	42.1	46.7	
5-Dec	7.10	4.85	3.58	2.61	6.25	2.10	1.81	2.29	1.11	6.98	2.85	3.21	2.42	0.35	0.14	0.16	0.12	41.5	40.9	47.9	
6-Dec	11.42	45.33	3.98	4.09	7.46	4.23	1.77	2.41	4.97	10.63	15.10	3.81	3.85	0.53	0.76	0.19	0.19	45.5	40.8	47.7	
7-Dec	16.71	11.31	4.63	3.25	7.40	2.04	1.48	1.71	3.76	15.27	5.40	4.23	3.10	0.76	0.27	0.21	0.16	48.6	44.4	47.3	
8-Dec	16.54	8.10	4.31	3.44	7.00	2.04	1.56	1.75	4.33	14.98	4.25	4.00	3.27	0.75	0.21	0.20	0.16	41.5	41.6	47.4	
9-Dec	4.96	5.42	2.31	1.58	2.21	0.71	0.69	0.65	2.56	4.35	2.31	2.10	2.77	0.22	0.12	0.11	0.14	40.7	37.9	45.2	Site not operating.
10-Dec	5.33	7.29	0.42	4.66	1.73	0.31	0.00	0.89	0.58	4.52	2.13	0.40	3.72	0.23	0.11	0.02	0.19	49.9	47.3	48.4	
11-Dec	22.75	116.02	21.35	7.81	8.10	5.96	4.15	2.00	6.77	20.56	35.88	17.96	7.45	1.03	1.79	0.90	0.37	46.3	43.9	52.7	Wind direction for December 11, 2018 was predominantly from the northwest. The elevated readings at the A2 Monitor, located on the western site boundary, were observed between 8:00 and 17:00. During these hours, KGL was completing stockpiling activities on the piles located adjacent to the west of the A2 Monitor.
12-Dec	4.50	25.75	1.60	8.40	1.60	0.98	0.17	1.85	0.86	3.77	6.98	1.38	7.08	0.19	0.35	0.07	0.35	48.1	46.4	50.0	
13-Dec	6.13	22.75	14.27	3.27	2.58	1.38	2.10	1.06	4.70	5.58	7.54	12.15	2.94	0.28	0.38	0.61	0.15	44.2	43.2	54.4	
14-Dec	13.83	23.83	13.81	7.38	5.38	1.67	2.35	2.08	2.67	12.69	7.88	11.98	6.50	0.63	0.39	0.60	0.33	46.6	44.2	52.8	
15-Dec	7.23	12.65	3.63	7.56	4.40	1.56	1.42	2.75	1.62	6.71	4.33	3.38	6.52	0.34	0.22	0.17	0.33	46.0	45.8	48.5	Site operational for 3 hours. Shut down due to dusty conditions.
16-Dec	3.81	8.58	4.08	1.44	2.81	1.17	1.21	0.92	3.93	3.72	3.40	3.63	1.40	0.19	0.17	0.18	0.07	42.8	42.7	47.1	Site not operating.
17-Dec	2.17	8.71	0.56	5.21	1.23	0.54	0.08	1.33	0.89	2.02	2.92	0.50	4.58	0.10	0.15	0.03	0.23	48.6	46.5	49.0	

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
18-Dec	4.96	11.92	1.58	3.98	2.27	0.75	0.19	1.04	1.10	4.65	4.19	1.44	3.63	0.23	0.21	0.07	0.18	48.1	46.0	49.9	
19-Dec	3.81	4.67	1.02	5.46	1.31	0.15	0.00	1.58	1.34	3.44	1.38	0.88	4.81	0.17	0.07	0.04	0.24	48.2	46.7	48.8	
20-Dec	4.08	21.33	6.10	3.06	2.15	1.17	1.04	0.81	2.01	3.77	6.33	5.33	2.54	0.19	0.32	0.27	0.13	45.3	43.9	52.1	
21-Dec	2.40	10.58	1.81	1.57	1.08	0.65	0.21	0.31	0.82	2.13	3.29	1.60	1.24	0.11	0.16	0.08	0.06	53.0	44.5	49.2	
22-Dec	3.65	6.96	3.19	1.44	2.15	1.13	0.79	0.76	1.47	3.48	3.08	2.96	1.39	0.17	0.15	0.15	0.07	39.9	39.4	45.5	Site not operating.
23-Dec	4.08	6.85	3.21	1.54	2.56	1.13	0.94	0.79	5.78	3.85	3.38	3.04	1.50	0.19	0.17	0.15	0.08	40.8	39.1	44.5	Site not operating.
24-Dec	37.30	26.08	16.31	12.44	33.67	11.38	9.88	10.88	16.96	36.93	17.04	15.71	12.35	1.85	0.85	0.79	0.62	41.6	41.4	44.4	Site not operating. Wind direction for December 24, 2018 was predominantly from the southeast. The elevated readings at the A1 Monitor, located on the eastern site boundary, were observed between 9:30 and 11:00. During these hours, the KGL North Quarry was closed for the holidays. These concentrations are not anticipated to have a negative health impact on the community receptors, which are located east of the site.
25-Dec	9.75	5.00	3.81	3.04	8.73	2.40	2.75	2.77	7.61	9.63	3.35	3.75	3.04	0.48	0.17	0.19	0.15	40.4	39.2	43.1	Site not operating.
26-Dec	63.64	18.54	28.23	3.75	62.82	13.71	16.75	3.50	11.69	63.64	14.33	27.60	3.50	3.18	0.72	1.38	0.18	38.9	39.3	49.4	Site not operating. Wind direction for December 26, 2018 was predominantly from the southeast. The elevated readings at the A1 Monitor, located on the eastern site boundary, were observed between 11:00 and 16:00 however the readings were interrupted due to power failure. The elevated PM10 readings at the A1 Monitor, were observed between 11:00 and 14:30. During these hours, the KGL North Quarry was closed for the holidays. These concentrations are not anticipated to have a negative health impact on the community receptors, which are located east of the site.
27-Dec	24.54	12.98	11.40	10.89	23.96	10.65	10.46	10.78	9.91	24.46	11.46	11.31	10.89	1.22	0.57	0.57	0.54	-	-	-	Site not operating. Data omitted due to calibration of monitors.
28-Dec	1.73	3.25	1.52	0.56	1.10	0.46	0.48	0.11	1.92	1.60	1.42	1.44	0.56	0.08	0.07	0.07	0.03	40.1	39.0	45.3	Site not operating.
29-Dec	1.02	2.75	1.33	0.17	0.49	0.06	0.06	0.06	1.80	0.98	0.96	1.23	0.15	0.05	0.05	0.06	0.01	41.5	41.3	44.8	Site not operating.
30-Dec	5.73	5.46	2.53	5.44	5.15	1.69	1.85	2.25	2.92	5.67	2.42	2.43	2.90	0.28	0.12	0.12	0.14	44.0	44.5	52.6	Site not operating.
31-Dec	3.69	4.29	2.46	1.90	3.03	1.75	1.54	1.60	8.18	3.50	2.44	2.27	1.85	0.18	0.12	0.11	0.09	38.8	38.7	42.2	Site not operating.
1-Jan	2.18	3.44	2.02	0.81	1.11	0.40	0.48	0.17	1.80	2.00	1.44	1.85	0.67	0.10	0.07	0.09	0.03	40.2	38.9	44.3	Site not operating.
2-Jan	2.40	3.29	0.94	1.71	0.77	0.06	0.00	0.23	0.66	2.06	0.88	0.83	2.48	0.10	0.04	0.04	0.12	44.2	43.7	48.3	Site not operating.
3-Jan	3.46	6.92	2.81	1.31	2.00	0.75	0.69	0.58	3.32	3.25	2.73	2.63	1.17	0.16	0.14	0.13	0.06	42.7	41.6	45.1	Site not operating.
4-Jan	9.40	10.13	3.92	5.54	7.33	2.42	2.52	2.85	6.87	9.06	4.65	3.77	4.54	0.45	0.23	0.19	0.23	46.4	46.9	51.0	Site not operating.
5-Jan	42.04	21.46	22.71	16.13	40.10	14.10	15.81	15.35	11.62	41.88	16.19	22.08	15.98	2.09	0.81	1.10	0.80	44.5	44.2	48.8	Site not operating. Wind direction for January 5, 2019 was predominantly from the southeast. The elevated PM2.5 readings at the A1 Monitor, located on the eastern site boundary, were observed between 00:00 and 16:00. During these hours, the KGL North Quarry was closed for the holidays. These concentrations are not anticipated to have a negative health impact on the community receptors, which are located east of the site.
6-Jan	13.92	8.46	6.91	5.40	12.98	4.31	4.70	4.63	8.44	13.77	5.54	6.70	5.25	0.69	0.28	0.34	0.26	43.9	42.5	45.7	Site not operating.
7-Jan	48.04	19.56	13.00	25.63	42.56	11.31	9.58	23.77	6.99	47.38	14.13	12.73	25.35	2.37	0.71	0.64	1.27	41.4	41.1	52.1	Wind direction for January 7, 2019 was predominantly from the northwest. The elevated readings at the A1 Monitor, located on the eastern site boundary, were observed between 00:00 and 21:30. During these hours, KGL was completing stockpiling activities on the piles located adjacent to the west of the A1 Monitor.
8-Jan	11.39	29.85	18.00	4.15	8.25	3.92	3.15	2.60	5.77	11.09	11.69	15.52	4.08	0.55	0.58	0.78	0.20	42.8	41.1	50.8	
9-Jan	20.93	40.25	18.17	7.96	13.73	6.46	5.10	4.75	6.56	20.18	17.31	16.50	7.85	1.01	0.87	0.83	0.39	45.1	44.6	49.5	
10-Jan	10.65	38.17	4.35	16.06	5.35	3.25	1.23	8.10	11.99	9.80	12.98	4.08	15.08	0.49	0.65	0.20	0.75	51.3	47.8	51.4	
11-Jan	14.65	108.88	20.52	15.06	5.88	9.10	6.00	7.85	11.01	13.38	34.83	18.33	14.79	0.67	1.74	0.92	0.74	50.3	45.2	53.8	Wind direction for January 11, 2019 was predominantly from the west. The elevated readings at the A2 Monitor, located on the eastern site boundary, were observed between 08:30 and 18:00. During these hours, KGL was completing stockpiling activities located adjacent to the west of the A2 Monitor.
12-Jan	10.00	9.69	4.88	3.44	4.17	1.27	1.46	1.25	3.68	9.21	4.31	4.54	3.29	0.46	0.22	0.23	0.16	-	-	-	Noise monitor level due to calibration. No actual exceedance due to gravel pit activities
13-Jan	6.63	8.35	4.63	2.59	3.84	1.67	1.46	1.22	2.35	6.30	4.29	4.33	2.56	0.32	0.21	0.22	0.13	39.5	37.9	43.9	
14-Jan	14.29	10.77	3.93	3.42	5.54	1.40	2.73	1.35	2.78	13.02	4.94	3.73	3.31	0.65	0.25	0.19	0.17	42.7	44.2	48.1	
15-Jan	38.31	17.19	8.71	9.94	26.90	6.90	7.94	8.27	12.22	37.54	9.10	8.67	9.63	1.88	0.46	0.43	0.48	44.2	42.4	49.0	
16-Jan	38.77	9.83	8.19	8.81	30.62	7.08	8.00	8.53	7.60	38.04	7.75	8.15	8.92	1.90	0.39	0.41	0.45	40.5	42.8	51.1	Wind direction for January 16, 2019 was predominantly from the north. The elevated readings at the A1 Monitor, located on the eastern site boundary, were observed between 10:30 and 14:00.
17-Jan	21.85	8.73	9.04	-	21.15	7.46	8.29	-	6.53	21.69	7.94	8.98	-	1.08	0.40	0.45	-	42.3	42.1	53.6	A4 Monitor not operating due to power failure. Power restored 1/19/2019.
18-Jan	19.07	6.42	8.42	-	18.74	5.35	5.06	-	5.04	19.04	5.69	8.33	-	0.95	0.28	0.42	-	44.5	43.3	51.3	A4 Monitor not operating due to power failure. Power restored 1/19/2019.
19-Jan	15.79	32.13	4.56	19.73	14.45	6.27	3.67	4.68	6.49	15.52	13.06	4.52	14.95	0.78	0.65	0.23	0.75	45.5	43.3	48.8	
20-Jan	3.44	6.35	1.02	1.22	1.73	0.63	0.42	0.42	1.81	3.21	2.33	0.94	1.18	0.16	0.12	0.05	0.06	41.1	39.4	46.1	
21-Jan	30.79	11.69	1.77	2.20	10.27	1.27	0.94	0.93	2.46	27.29	3.98	1.75	2.13	1.36	0.20	0.09	0.11	41.8	41.9	46.0	
22-Jan	14.27	5.73	0.27	16.56	4.25	0.35	0.00	4.20	0.95	11.67	1.69	0.23	11.96	0.58	0.08	0.01	0.60	50.4	49.2	50.7	
23-Jan	7.16	13.73	2.50	6.65	6.42	3.48	1.90	4.33	2.34	6.89	6.27	2.48	5.00	0.34	0.31	0.12	0.25	42.6	44.5	51.0	
24-Jan	5.52	20.60	0.92	2.43	3.30	1.38	0.69	1.63	4.76	5.07	5.29	0.90	2.37	0.25	0.26	0.04	0.12	44.0	44.6	49.1	

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
25-Jan	5.25	5.54	1.42	1.31	3.17	0.56	0.96	0.90	1.86	5.02	2.02	1.38	1.25	0.25	0.10	0.07	0.06	44.2	45.4	49.6	
26-Jan	11.60	1.96	0.31	1.94	3.98	0.02	0.08	0.42	1.46	10.35	0.54	0.29	1.54	0.52	0.03	0.01	0.08	44.7	45.9	47.7	
27-Jan	2.29	1.98	0.25	1.10	1.40	0.17	0.19	0.27	0.57	2.19	0.54	0.25	0.77	0.11	0.03	0.01	0.04	49.3	50.2	55.4	
28-Jan	9.40	5.81	1.31	1.21	4.38	0.67	0.83	0.63	1.22	8.60	2.13	1.23	1.19	0.43	0.11	0.06	0.06	41.9	43.1	46.6	
29-Jan	13.49	48.65	1.33	4.75	6.36	2.46	1.00	1.56	6.28	12.36	12.83	1.00	3.13	0.62	0.64	0.05	0.16	42.0	41.6	47.8	
30-Jan	16.65	13.75	-	2.50	6.58	1.54	-	1.15	3.53	14.92	5.29	-	2.38	0.75	0.26	-	0.12	43.9	44.9	47.7	A3 not operating due to power failure. Power restored 02/01/2019.
31-Jan	11.81	14.65	-	3.79	8.44	2.44	-	2.63	6.23	11.25	5.50	-	3.65	0.56	0.28	-	0.18	43.7	43.5	50.0	A3 not operating due to power failure. Power restored 02/01/2019.
1-Feb	38.79	13.21	6.33	8.86	30.19	7.75	5.75	8.36	9.21	38.40	8.50	6.17	8.80	1.92	0.43	0.31	0.44	39.6	40.1	49.9	Wind direction for February 1, 2019 was predominantly from the northeast. The elevated readings at the A1 Monitor, located on the eastern site boundary, were observed between 01:00 and 04:00 and 18:30 and 20:30. Only north crusher operating on this day. No stockpiling on site this day, only hauling.
2-Feb	10.25	7.00	1.44	3.91	9.82	5.52	0.96	3.14	7.07	10.21	5.98	1.35	3.27	0.51	0.30	0.07	0.16	40.1	40.4	49.8	
3-Feb	7.16	5.00	0.31	4.10	6.92	2.50	0.06	2.80	2.88	7.08	2.96	0.17	3.00	0.35	0.15	0.01	0.15	37.3	38.1	45.8	
4-Feb	11.85	8.19	0.83	8.06	11.07	3.42	0.19	4.71	6.65	11.59	4.31	0.71	5.65	0.58	0.22	0.04	0.28	39.4	39.5	45.3	
5-Feb	19.00	11.81	2.04	8.83	17.48	6.98	0.56	8.06	11.12	18.78	8.64	1.85	8.78	0.94	0.43	0.09	0.44	39.1	39.4	44.7	
6-Feb	30.41	21.54	5.13	12.37	28.22	11.15	1.79	11.32	19.12	30.16	14.60	4.69	12.32	1.51	0.73	0.23	0.62	40.0	39.9	46.2	
7-Feb	17.92	17.15	6.42	6.94	14.74	5.96	1.69	5.68	13.40	17.56	9.65	5.77	6.89	0.88	0.48	0.29	0.34	40.2	39.6	46.7	
8-Feb	15.09	10.73	2.67	7.67	14.51	6.38	1.92	6.23	8.29	14.91	7.06	2.58	6.65	0.75	0.35	0.13	0.33	40.7	41.4	45.8	
9-Feb	14.00	8.96	1.33	6.00	13.76	6.96	1.08	5.38	4.42	13.94	7.25	1.23	5.58	0.70	0.36	0.06	0.28	38.0	38.9	43.2	
10-Feb	16.31	8.96	1.52	7.75	16.03	7.10	1.06	7.21	7.70	16.22	7.63	1.44	7.50	0.81	0.38	0.07	0.38	38.3	38.7	45.2	
11-Feb	21.00	12.31	2.75	7.00	21.00	10.06	2.27	7.00	13.61	21.00	10.63	2.58	7.00	1.05	0.53	0.13	0.35	37.6	37.3	44.7	
12-Feb	24.41	12.56	3.38	10.93	24.04	10.98	2.85	10.53	15.84	24.33	11.35	4.58	10.67	1.22	0.57	0.23	0.53	39.7	40.1	42.1	
13-Feb	23.71	11.48	4.04	9.81	23.44	9.83	3.46	9.54	11.13	23.65	10.38	3.96	9.73	1.18	0.52	0.20	0.49	38.6	38.9	42.6	
14-Feb	29.06	14.29	6.54	10.69	28.35	10.67	5.13	10.04	17.53	29.03	11.75	6.29	10.63	1.45	0.59	0.31	0.53	41.2	41.0	44.8	
15-Feb	41.58	20.27	8.60	17.24	40.98	16.96	7.83	16.81	20.26	41.38	17.48	8.38	17.14	2.07	0.87	0.42	0.86	40.1	39.6	42.9	Wind direction for February 15, 2019 came from various directions. The elevated readings at the A1 Monitor, located on the eastern site boundary, were observed between 00:00 and 21:00. Crushers not operating. Loading trucks from piles near south crusher.
16-Feb	27.89	13.98	6.54	11.29	27.32	12.08	5.96	8.79	12.84	27.76	12.40	6.29	9.36	1.39	0.62	0.31	0.47	45.2	45.0	50.3	
17-Feb	19.57	9.75	4.23	11.39	19.36	7.75	3.88	9.14	9.39	19.46	8.02	4.02	9.42	0.97	0.40	0.20	0.47	39.2	38.7	46.0	
18-Feb	19.11	11.48	5.19	-	18.79	8.98	4.08	-	14.99	18.96	9.31	4.85	-	0.95	0.47	0.24	-	39.2	39.9	40.9	A4 Monitor not operating due to power failure. Power restored 2/19/2019.
19-Feb	5.74	5.81	2.04	1.82	4.39	1.81	1.15	1.27	5.68	5.58	2.77	1.88	1.59	0.28	0.14	0.09	0.08	40.2	40.2	45.3	
20-Feb	9.69	2.54	1.75	3.40	6.81	1.54	1.46	2.35	3.59	9.29	1.94	1.71	2.56	0.46	0.10	0.09	0.13	42.8	43.4	51.8	
21-Feb	5.98	22.69	7.13	2.00	5.63	2.98	1.50	2.00	7.52	5.92	7.65	5.92	2.00	0.30	0.38	0.30	0.10	42.5	41.3	47.6	
22-Feb	7.51	4.00	1.38	6.00	3.64	0.35	0.27	1.57	6.55	6.89	1.38	1.15	4.79	0.34	0.07	0.06	0.24	44.9	43.7	44.8	
23-Feb	8.58	4.31	3.15	5.29	8.06	2.44	2.21	3.25	2.27	8.50	2.94	2.88	3.92	0.43	0.15	0.14	0.20	39.0	40.3	46.2	
24-Feb	7.48	3.58	2.73	1.33	7.31	2.50	2.35	1.17	1.29	7.42	2.71	2.63	1.17	0.37	0.14	0.13	0.06	36.7	37.1	43.1	
25-Feb	19.40	10.02	8.19	8.57	18.79	7.29	7.19	7.33	14.08	19.21	8.02	8.00	7.95	0.96	0.40	0.40	0.40	37.4	36.8	48.2	
26-Feb	14.52	8.42	5.23	6.50	12.40	4.31	4.06	4.50	9.93	14.00	5.33	5.02	5.08	0.70	0.27	0.25	0.25	39.1	38.3	41.8	
27-Feb	22.71	7.38	3.54	4.98	9.46	1.17	1.06	2.79	7.71	20.02	2.81	2.92	4.56	1.00	0.14	0.15	0.23	40.9	41.8	45.8	
28-Feb	10.40	3.77	5.33	3.25	6.92	0.92	1.92	2.54	4.88	9.75	1.88	4.71	3.08	0.49	0.09	0.24	0.15	40.9	41.8	48.4	
1-Mar	8.83	6.04	3.79	4.41	7.79	1.88	2.42	3.30	5.75	8.42	2.79	3.46	3.74	0.42	0.14	0.17	0.19	36.8	36.3	46.0	
2-Mar	13.59	10.98	7.33	4.79	11.98	3.29	4.19	4.06	8.49	13.22	5.38	6.65	4.71	0.66	0.27	0.33	0.24	35.8	35.8	41.8	
3-Mar	4.79	11.88	6.83	4.50	2.90	2.54	2.96	3.54	9.84	4.33	4.90	5.96	4.46	0.22	0.24	0.30	0.22	36.4	35.4	45.7	
4-Mar	21.58	24.75	5.58	8.40	5.00	2.04	1.60	3.25	6.92	17.96	7.44	4.83	7.81	0.90	0.37	0.24	0.39	39.1	40.7	44.1	
5-Mar	9.40	14.21	10.13	4.65	1.77	1.33	1.90	2.50	8.38	7.77	5.06	8.23	4.46	0.39	0.25	0.41	0.22	38.8	39.2	45.3	
6-Mar	17.60	14.79	28.98	10.50	15.71	8.40	11.63	9.33	9.03	17.40	10.50	25.85	10.31	0.87	0.53	1.29	0.52	44.1	42.0	52.6	
7-Mar	28.56	25.94	16.69	14.54	22.67	11.29	10.25	12.27	19.41	27.52	15.08	15.29	14.38	1.38	0.75	0.76	0.72	41.7	41.5	47.7	
8-Mar	27.56	21.21	9.52	15.58	25.77	11.67	6.83	14.56	26.58	27.31	14.17	9.13	15.31	1.37	0.71	0.46	0.77	41.4	40.7	45.2	
9-Mar	5.69	8.17	0.38	4.92	2.13	3.21	-	4.23	9.20	4.94	4.56	0.21	4.75	0.25	0.23	0.01	0.24	44.1	40.6	44.0	A3 Monitor down due to equipment malfunction.
10-Mar	0.04	4.24	0.13	3.13	0.02	0.80	-	2.78	4.24	0.04	1.80	0.00	3.02	0.00	0.09	0.00	0.15	38.8	37.5	44.3	A3 Monitor down due to equipment malfunction.
11-Mar	2.27	39.46	1.81	13.63	0.15	2.00	0.15	4.17	3.53	1.58	9.58	1.46	10.38	0.08	0.48	0.07	0.52	47.9	46.2	49.4	
12-Mar	0.85	4.52	2.67	3.83	-	0.10	1.08	2.54	4.55	0.65	1.27	2.38	3.52	0.03	0.06	0.12	0.18	42.1	42.5	49.6	A1 Monitor down due to equipment malfunction
13-Mar	0.15	1.46	2.90	2.50	-	0.08	1.31	2.31	4.66	0.13	0.40	2.65	2.46	0.01	0.02	0.13	0.12	43.3	42.7	46.2	A1 Monitor down due to equipment malfunction
14-Mar	3.71	4.94	8.06	2.48	0.38	0.52	2.06	1.58	4.88	2.92	1.71	7.02	2.29	0.15	0.09	0.35	0.11	42.1	40.5	45.6	
15-Mar	5.60	7.56	8.00	2.90	2.06	1.44	2.73	2.08	3.40	4.90	3.44	7.21	2.73	0.24	0.17	0.36	0.14	42.5	43.2	50.2	
16-Mar	13.02	16.56	10.21	5.77	7.13	3.60	4.27	4.17	7.19	12.10	7.65	9.27	5.67	0.61	0.38	0.46	0.28	41.7	41.5	46.5	
17-Mar	5.85	9.63	5.42	4.54	5.10	2.81	3.92	3.92	7.47	5.73	5.00	5.23	4.46	0.29	0.25	0.26	0.22	40.6	39.9	42.1	
18-Mar	11.38	14.25	8.83	3.98	6.63	2.19	2.40	2.10	8.21	10.88	6.23	7.98	3.79	0.54	0.31	0.40	0.19	42.9	44.2	46.9	
19-Mar	9.52	15.23	5.50	2.02	5.56	1.77	1.40	0.75	8.95	9.06	5.56	4.85	1.88	0.45	0.28	0.24	0.09	43.3	42.1	47.3	
20-Mar	12.81	16.35	15.27	4.04	8.42	2.79	3.50	2.46	12.18	12.42	7.35	13.69	4.00	0.62	0.37	0.68	0.20	42.1	42.5	50.2	
21-Mar	24.06	24.67	22.00	8.15	16.77	2.33	7.17	5.15	17.24	23.33	9.94	19.94	8.04	1.60	0.68	1.37	0.55	41.4	43.4	48.8	The silica indicator correction factor going forward has been updated to 6.85% as per the sampling events taken on March 21, 2019, completed by Trojan Safety Services.
22-Mar	12.19	15.56	16.65	6.71	8.96	0.21	7.33	4.63	11.55	11.63	4.08	15.35	6.48	0.80	0.28	1.05	0.44	42.9	43.5	53.4	
23-Mar	-	26.75	30.02	23.35	-	17.75	-	22.08	35.95	-	20.69	29.60	23.33	-	1.42	2.03	1.60	40.7	42.3	49.4	Fog advisory in the Calgary area causing poor air quality due to fog trapping a stagnant air mass. A1 Monitor down due to equipment malfunction.
24-Mar	-	15.77	-	12.50	-	2.83	-	9.52	7.77	-	3.69	-	12.42	-	0.25	-	0.85	36.2	36.2	42.0	A1 and A3 Monitors down due to equipment malfunction.
25-Mar	-	3.71	-	5.83	-	0.04	-	3.23	7.34	-	0.06	-	5.65	-	0.00	-	0.39	44.3	42.6	49.5	A1 and A3 Monitors down due to equipment malfunction.

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
26-Mar	9.71	5.69	8.04	5.00	7.35	0.04	5.46	2.73	8.45	9.25	0.79	7.73	4.33	0.63	0.05	0.53	0.30	45.6	44.3	48.1	
27-Mar	6.79	-	5.88	4.25	6.13	-	4.96	4.02	5.85	6.67	-	5.83	4.21	0.46	-	0.40	0.29	42.9	41.7	48.6	A2 Monitor down due to equipment malfunction
28-Mar	2.94	-	9.88	3.48	2.31	-	4.21	2.88	7.26	2.83	-	8.96	3.35	0.19	-	0.61	0.23	44.7	42.9	49.2	A2 Monitor down due to equipment malfunction
29-Mar	-	-	8.25	4.10	-	-	4.08	2.79	7.38	-	-	7.50	4.04	-	-	0.51	0.28	42.3	41.7	46.8	A1 and A2 Monitors down due to equipment malfunction.
30-Mar	-	-	3.63	2.15	-	-	1.69	1.06	1.44	-	-	3.44	1.85	-	-	0.24	0.13	43.6	46.5	48.3	A1 and A2 Monitors down due to equipment malfunction.
31-Mar	-	-	6.63	2.92	-	-	2.83	1.85	1.74	-	-	6.13	2.77	-	-	0.42	0.19	42.8	42.0	44.3	A1 and A2 Monitors down due to equipment malfunction.
1-Apr	1.73	-	4.40	2.75	0.15	-	3.15	2.27	3.72	1.44	-	4.31	2.73	0.10	-	0.30	0.19	40.8	42.1	44.8	A2 Monitor down due to equipment malfunction.
2-Apr	3.67	-	9.71	4.65	2.02	-	3.19	3.31	6.04	3.44	-	8.67	4.60	0.24	-	0.59	0.32	40.3	40.3	45.9	A2 Monitor down due to equipment malfunction.
3-Apr	16.38	-	19.00	6.40	9.04	-	4.42	3.94	10.46	15.15	-	16.65	6.31	1.04	-	1.14	0.43	44.8	43.4	49.1	A2 Monitor down due to equipment malfunction.
4-Apr	13.79	16.11	7.58	6.17	10.46	3.50	4.16	4.73	11.02	13.31	6.79	7.16	6.06	0.91	0.47	0.49	0.42	42.7	43.1	50.4	
5-Apr	29.94	17.94	29.83	8.83	20.90	6.23	11.21	6.79	7.80	29.33	10.46	27.92	8.69	2.01	0.72	1.91	0.60	45.8	44.2	53.8	
6-Apr	4.50	6.19	1.77	6.29	1.67	0.35	0.65	1.46	2.89	3.96	2.00	1.63	4.46	0.27	0.14	0.11	0.31	47.3	46.8	50.5	
7-Apr	-	2.79	0.35	0.89	-	0.08	0.00	0.43	-	-	0.71	0.25	0.72	-	0.05	0.02	0.05	42.0	40.9	44.0	A1 Monitor not operating due to equipment malfunction. CRAZ NW not operating due to equipment malfunction.
8-Apr	3.40	8.19	6.90	2.71	1.53	0.40	0.75	1.00	1.10	3.19	2.79	5.96	2.48	0.22	0.19	0.41	0.17	42.5	42.0	48.6	
9-Apr	-	22.40	11.73	5.77	-	1.85	1.63	2.77	4.51	-	8.65	10.02	5.63	-	0.59	0.69	0.39	43.8	41.3	53.2	A1 Monitor not operating due to equipment malfunction. CRAZ NW not operating due to equipment malfunction.
10-Apr	-	15.63	6.29	3.29	-	1.00	0.00	1.46	3.42	-	5.81	4.81	3.06	-	0.40	0.33	0.21	46.2	44.0	48.9	A1 Monitor not operating due to equipment malfunction.
11-Apr	-	2.73	4.10	2.41	-	1.44	0.44	2.22	-	-	1.81	4.02	2.37	-	0.12	0.28	0.16	41.9	44.6	49.2	A1 Monitor not operating due to equipment malfunction. CRAZ NW not operating due to equipment malfunction.
12-Apr	1.06	3.00	0.71	5.54	0.62	2.27	0.08	4.49	-	0.94	2.46	0.60	4.86	0.06	0.17	0.04	0.33	39.8	39.1	52.3	CRAZ NW not operating due to equipment malfunction.
13-Apr	-	0.48	0.33	2.04	-	0.00	0.00	1.56	0.54	-	0.00	0.23	1.83	-	0.00	0.02	0.13	43.9	41.9	47.4	A1 Monitor down due to equipment malfunction.
14-Apr	-	-	-	1.04	-	-	-	0.69	-	-	-	-	0.85	-	-	-	0.06	39.6	38.8	45.6	A1, A2, & A3 Monitors not operating due to equipment malfunction. CRAZ NW not operating due to equipment malfunction.
15-Apr	3.46	2.54	1.67	3.17	1.29	0.04	0.15	2.50	-	3.04	0.48	1.42	2.81	0.21	0.03	0.10	0.19	42.4	42.0	47.7	CRAZ NW not operating due to equipment malfunction.
16-Apr	4.42	4.90	5.04	1.46	2.31	0.00	0.88	0.88	0.98	4.13	0.94	4.35	1.15	0.28	0.06	0.30	0.08	43.2	42.3	48.2	
17-Apr	7.58	4.67	1.06	7.35	3.10	0.17	0.02	0.92	2.46	6.71	1.04	0.81	2.96	0.46	0.07	0.06	0.20	45.7	45.5	50.7	
18-Apr	5.90	9.60	4.46	2.23	2.21	0.06	0.31	0.29	5.54	5.29	2.35	3.69	1.42	0.36	0.16	0.25	0.10	44.9	43.4	47.7	
19-Apr	3.31	2.94	2.13	0.60	2.29	0.00	0.48	1.50	-	3.21	0.69	1.85	0.46	0.22	0.05	0.13	0.03	40.9	40.3	46.0	CRAZ NW not operating due to equipment malfunction.
20-Apr	4.88	4.81	2.00	1.27	4.29	0.17	1.10	1.04	2.63	4.75	1.02	1.88	1.19	0.33	0.07	0.13	0.08	40.3	40.8	43.4	
21-Apr	7.79	3.71	3.48	2.02	6.63	0.00	1.85	1.52	5.29	7.69	1.04	3.33	1.92	0.53	0.07	0.23	0.13	42.1	40.1	41.2	
22-Apr	8.46	12.21	4.44	4.65	5.92	0.50	0.98	1.13	7.41	7.96	3.50	3.79	2.71	0.55	0.24	0.26	0.19	46.9	43.9	48.7	
23-Apr	9.38	3.60	0.98	8.17	5.38	0.02	0.02	1.27	6.63	8.73	0.90	0.79	4.60	0.60	0.06	0.05	0.32	47.7	53.3	49.4	
24-Apr	11.58	4.92	7.23	4.75	7.85	0.00	1.88	2.40	7.35	11.06	0.40	6.46	3.83	0.76	0.03	0.44	0.26	45.8	49.6	51.7	
25-Apr	12.35	10.54	14.25	4.00	8.08	0.10	3.04	2.60	7.03	11.60	1.31	12.35	3.67	0.79	0.09	0.85	0.25	42.1	43.8	48.8	
26-Apr	18.60	14.96	11.00	4.48	12.31	0.16	3.15	2.81	4.51	17.54	4.73	9.77	4.17	1.20	0.32	0.67	0.29	41.8	42.9	51.3	
27-Apr	10.96	2.46	5.04	6.44	9.60	0.04	3.58	3.10	2.49	10.77	0.56	4.90	5.44	0.74	0.04	0.34	0.37	48.4	48.0	59.7	
28-Apr	4.50	1.06	1.52	2.23	4.15	0.27	0.90	1.63	1.06	4.42	0.58	1.48	1.65	0.30	0.04	0.10	0.11	38.6	38.5	41.8	
29-Apr	7.33	3.92	1.71	1.81	6.19	0.94	0.92	1.52	1.15	7.17	1.98	1.54	1.69	0.49	0.14	0.11	0.12	39.7	38.7	45.0	
30-Apr	8.38	2.52	0.73	2.56	7.27	0.52	0.27	2.00	2.12	8.15	1.19	0.65	2.21	0.56	0.08	0.04	0.15	43.3	44.1	49.4	
1-May	12.06	4.83	4.17	3.60	10.81	2.13	1.40	3.38	2.82	11.88	3.10	3.71	3.56	0.81	0.21	0.25	0.24	43.7	43.7	49.2	
2-May	10.67	5.75	9.08	3.65	9.77	1.65	4.48	3.25	7.26	10.54	2.94	8.48	3.48	0.72	0.20	0.58	0.24	44.1	42.9	49.7	
3-May	8.06	0.81	3.56	2.40	7.21	0.00	2.83	2.23	2.57	7.98	0.08	3.50	2.38	0.55	0.01	0.24	0.16	42.2	41.5	49.5	
4-May	12.60	0.83	5.04	3.19	11.50	0.00	3.50	3.08	2.94	12.52	0.10	4.92	3.15	0.86	0.01	0.34	0.22	37.7	39.3	48.3	
5-May	12.60	0.17	5.79	3.98	12.17	0.00	4.38	3.90	4.21	12.50	0.00	5.60	3.96	0.86	0.00	0.38	0.27	40.2	39.4	44.5	
6-May	18.98	7.19	8.56	6.02	17.58	2.60	6.25	5.63	6.27	18.77	3.98	8.27	5.92	1.29	0.27	0.57	0.41	42.7	43.6	49.8	
7-May	14.81	5.83	5.79	4.54	13.42	1.50	3.77	4.17	6.97	14.67	2.88	5.48	4.46	1.00	0.20	0.38	0.31	45.4	46.5	50.4	
8-May	7.04	1.98	4.85	1.73	6.40	0.00	4.02	1.48	3.99	7.00	0.38	4.81	1.65	0.48	0.03	0.33	0.11	44.4	44.6	59.4	
9-May	5.44	4.38	3.48	1.56	4.21	0.02	0.65	0.65	4.77	5.27	1.13	3.10	1.29	0.36	0.08	0.21	0.09	43.9	43.4	57.0	
10-May	15.23	3.00	2.40	1.81	6.88	0.00	0.69	0.60	5.98	14.19	0.77	2.25	1.21	0.97	0.05	0.15	0.08	45.0	48.1	50.3	
11-May	8.50	12.50	15.15	1.92	5.15	0.06	3.71	0.71	7.17	7.90	3.17	13.58	1.71	0.54	0.22	0.93	0.12	45.2	42.7	49.9	
12-May	10.56	7.54	4.77	2.60	6.23	0.06	1.13	1.00	5.46	9.77	2.13	4.35	2.13	0.67	0.15	0.30	0.15	44.3	42.2	46.3	
13-May	18.00	58.08	6.33	4.58	10.44	11.04	0.77	3.04	7.02	16.77	14.96	5.50	4.19	1.15	1.02	0.38	0.29	41	42.3	47.2	
14-May	16.56	11.81	15.31	5.21	11.29	4.58	3.48	3.75	7.18	15.79	3.25	13.67	5.06	1.08	0.22	0.94	0.35	43.3	42.7	51.5	
15-May	7.85	2.98	3.29	2.90	5.85	0.40	1.58	2.46	3.32	7.56	0.77	3.13	2.77	0.52	0.05	0.21	0.19	42.8	44	51.4	
16-May	12.10	4.38	5.35	3.50	10.96	1.08	2.40	4.33	1.42	11.98	1.65	4.98	3.42	0.82	0.11	0.34	0.23	43.1	42.6	52.1	
17-May	11.60	-	5.31	2.75	11.17	-	4.79	2.60	3.05	11.60	-	5.25	2.69	0.79	-	0.36	0.18	41.2	42.3	47.3	A2 Monitor not operating due to equipment malfunction.
18-May	13.02	-	4.81	1.52	9.75	-	3.60	1.41	0.91	12.96	-	4.77	1.41	0.89	-	0.33	0.10	41.8	42.3	47.9	A2 Monitor not operating due to equipment malfunction.
19-May	29.98	-	16.31	2.38	15.23	-	5.19	2.17	2.61	29.56	-	15.96	2.21	2.03	-	1.09	0.15	42	40.6	45.3	A2 Monitor not operating due to equipment malfunction.
20-May	5.77	-	8.19	2.46	5.06	-	4.10	2.17	1.77	5.58	-	7.60	2.42	0.38	-	0.52	0.17	44.5	43.9	50.4	A2 Monitor not operating due to equipment malfunction.
21-May	5.83	2.69	6.00	2.77	4.54	1.63	3.96	2.42	4.14	5.71	1.88	5.81	2.73	0.39	0.13	0.40	0.19	39.7	40.1	48.2	
22-May	13.46	1.94	14.79	3.23	9.48	1.17	4.15	2.52	8.37	13.21	1.21	14.29	3.15	0.90	0.08	0.98	0.22	43.2	42.6	48.1	
23-May	5.88	-	6.15	2.77	2.13	-	0.23	1.35	6.43	5.29	-	5.33	2.52	0.36	-	0.37	0.17	44.3	42.8	48.2	A2 Monitor not operating due to equipment malfunction.
24-May	3.77	-	0.94	2.79	1.85	-	0.25	1.67	5.39	3.35	-	0.85	2.29	0.23	-	0.06	0.16	48.4	46.1	48.7	A2 Monitor not operating due to equipment malfunction.
25-May	15.19	0.50	5.83	6.23	14.08	0.44	4.94	6.08	7.85	14.96	0.44	5.73	6.17	1.02	0.03	0.39	0.42	42.1	43.2	49.2	
26-May	17.71	1.75	11.58	8.27	16.29	0.71	7.58	7.69	13.08	17.46	0.96	10.96	8.15	1.20	0.07	0.75	0.56	43.6	43	48	
27-May	12.67	-	9.81	6.77	10.04	-	1.19	5.81	8.82	12.13	-	8.54	6.54	0.83	-	0.59	0.45	43.8	42.5	50.3	A2 Monitor not operating due to equipment malfunction.
28-May	18.56	-	10.56	7.63	13.98	-	0.96	5.90	8.49	17.92	-	9.15	7.27	1.23	-	0.63	0.50	42.4	40.4	48.9	A2 Monitor not operating due to equipment malfunction.

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
29-May	51.44	11.06	17.58	19.21	43.83	5.06	10.77	16.92	19.34	50.23	6.65	16.73	18.73	3.44	0.46	1.15	1.28	45.5	42.6	47	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in Northern Alberta. Environment Canada issued an Air Quality Advisory for sensitive receptors. Air Quality Health Index: Max 4.8 - Moderate Risk. Air Quality health Index Message: At Risk Population: consider reducing or rescheduling strenuous activities outdoors if you are experiencing symptoms. General Population: No need to modify outdoor activities.
30-May	109.42	40.02	46.90	51.73	95.38	31.44	39.83	47.25	43.47	106.90	32.96	45.63	49.79	7.32	2.26	3.13	3.41	44.4	48.9	50.1	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in Northern Alberta. Environment Canada issued an Air Quality Advisory for sensitive receptors. Air Quality Health Index: Max 9.9 - High Risk. Air Quality health Index Message: At Risk Population: Reduce or reschedule strenuous activities outdoors. Children and the elderly should also take it easy.
31-May	566.79	223.82	256.40	232.00	556.35	210.68	236.52	228.13	192.40	563.81	214.57	252.06	230.88	38.62	14.70	17.27	15.81	43.4	44.5	50.6	The elevated readings observed on-site and at CRAZ background monitors across Calgary, were observed due to smoke generated from wildfires burning in Northern Alberta. Environment Canada issued an Air Quality Advisory for sensitive receptors. Air Quality Health Index: Max 11.0 - Very High Risk Air Quality health Index Message: At Risk Population: Avoid strenuous activities outdoors. Children and the elderly should also avoid outdoor physical exertion.
1-Jun	30.35	-	14.83	14.58	27.25	-	11.85	13.90	10.91	29.83	-	14.48	14.50	2.04	-	0.99	0.99	41.3	43.2	45.8	A2 Monitor not operating due to equipment malfunction.
2-Jun	20.94	-	13.31	8.38	17.00	-	7.98	7.06	10.27	20.44	-	12.65	8.15	1.40	-	0.87	0.56	44	41.6	47.1	A2 Monitor not operating due to equipment malfunction.
3-Jun	17.58	6.65	15.77	7.06	11.27	0.24	5.77	4.79	8.89	16.63	5.00	14.48	6.81	1.14	0.34	0.99	0.47	46.4	47.8	53.5	
4-Jun	-	1.38	18.52	2.88	-	0.00	2.65	1.21	3.80	-	1.13	16.21	2.65	-	0.08	1.11	0.18	44.9	45.9	51	A1 Monitor not operating due to equipment malfunction.
5-Jun	-	-	14.50	3.06	-	-	2.96	1.96	12.84	-	-	12.71	2.85	-	-	0.87	0.20	44.4	44.4	50.2	A1 & A2 Monitor not operating due to equipment malfunction.
6-Jun	-	1.56	6.48	2.65	-	0.07	1.63	1.71	3.59	-	0.93	5.63	2.50	-	0.06	0.39	0.17	48.7	46.5	47.4	A1 Monitor not operating due to equipment malfunction.
7-Jun	3.31	0.10	1.17	0.71	3.15	0.02	0.81	0.69	0.96	3.29	0.08	1.10	0.71	0.23	0.01	0.08	0.05	46.7	50.1	51.8	
8-Jun	5.51	0.17	2.40	1.56	5.30	0.00	1.79	1.52	3.47	5.48	0.04	2.33	1.56	0.38	0.00	0.16	0.11	50	48.3	49.5	
9-Jun	4.08	0.38	1.75	0.92	3.91	0.00	1.06	0.71	2.03	4.04	0.15	1.60	0.88	0.28	0.01	0.11	0.06	41.9	44.35	44.45	
10-Jun	4.62	1.15	2.67	1.40	3.04	0.04	1.04	0.79	3.35	4.50	0.94	2.42	1.31	0.31	0.06	0.17	0.09	43	44.8	45.8	
11-Jun	4.98	1.29	6.44	1.02	3.35	0.00	1.17	0.65	2.74	4.88	1.04	5.56	1.00	0.33	0.07	0.38	0.07	41.8	42.4	46.4	
12-Jun	4.94	1.75	6.63	1.35	3.50	0.00	1.42	0.90	5.43	4.83	1.46	5.88	1.31	0.33	0.10	0.40	0.09	42.4	42.8	46.4	
13-Jun	6.98	2.77	10.88	2.04	4.94	0.10	2.25	1.19	7.31	6.81	2.19	9.81	2.00	0.47	0.15	0.67	0.14	45	52.4	52	
14-Jun	5.69	0.44	2.71	1.46	4.96	0.04	1.56	1.21	3.82	5.58	0.29	2.65	1.42	0.38	0.02	0.18	0.10	45	48	47.8	
15-Jun	6.00	1.10	3.06	1.71	4.85	0.06	1.38	1.17	4.22	5.90	0.77	2.90	1.60	0.40	0.05	0.20	0.11	45.4	45	46.2	
16-Jun	5.96	0.88	3.92	1.71	5.42	0.02	1.88	1.48	4.24	5.94	0.60	3.69	1.65	0.41	0.04	0.25	0.11	44	40.8	44.9	
17-Jun	10.79	2.25	21.85	3.81	9.38	0.10	5.08	2.85	6.42	10.65	1.77	19.38	3.71	0.73	0.12	1.33	0.25	47.4	46.8	50.8	
18-Jun	8.90	1.18	7.46	2.67	7.92	0.00	2.88	2.17	5.34	8.79	1.02	6.77	2.63	0.60	0.07	0.46	0.18	45.5	46.2	51	
19-Jun	3.40	0.65	2.71	1.00	2.98	0.04	1.27	0.67	0.80	3.29	0.44	2.58	0.98	0.23	0.03	0.18	0.07	49	56.8	50.8	
20-Jun	2.17	0.40	1.54	0.40	1.88	0.04	0.65	0.33	0.65	2.15	0.38	1.44	0.40	0.15	0.03	0.10	0.03	46.8	52	49.2	
21-Jun	13.77	0.66	8.79	4.17	13.48	0.44	5.85	3.92	10.94	13.71	0.65	8.52	4.15	0.94	0.04	0.58	0.28	51.8	80.2	54.2	Noise exceedance caused by heavy rain
22-Jun	23.58	0.75	9.79	7.27	22.96	0.15	8.46	7.00	6.92	23.54	0.54	9.67	7.21	1.61	0.04	0.66	0.49	48.8	50.8	47.2	
23-Jun	10.02	0.53	4.67	3.06	9.60	0.10	3.79	2.94	4.28	9.96	0.38	4.56	3.06	0.68	0.03	0.31	0.21	49	52	45.9	
24-Jun	4.00	0.46	2.19	1.31	3.35	0.00	1.08	0.96	1.89	3.92	0.31	2.13	1.29	0.27	0.02	0.15	0.09	46.1	46.6	47.4	
25-Jun	7.31	1.48	2.54	1.79	4.77	0.08	1.10	1.08	4.44	7.10	0.98	2.38	1.69	0.49	0.07	0.16	0.12	45	48.8	48.9	
26-Jun	5.33	1.65	12.19	2.08	4.46	0.04	2.56	1.38	5.84	5.19	1.33	10.67	2.02	0.36	0.09	0.73	0.14	48.3	47.2	50.2	
27-Jun	14.56	0.38	7.71	4.35	13.83	0.13	6.33	4.23	6.79	14.44	0.35	7.56	4.35	0.99	0.02	0.52	0.30	46.6	49.4	50.1	
28-Jun	2.81	1.96	4.02	1.88	2.17	0.13	1.15	0.88	3.50	2.75	1.56	3.58	1.60	0.19	0.11	0.25	0.11	45.2	47.2	48.3	
29-Jun	4.52	3.04	1.73	4.85	2.81	0.19	0.56	1.54	2.40	4.46	2.02	1.48	4.15	0.31	0.14	0.10	0.28	50.1	52.7	48.9	
30-Jun	5.38	1.69	5.10	1.77	4.25	0.08	1.52	1.23	5.42	5.19	1.29	4.52	1.73	0.36	0.09	0.31	0.12	43.7	44.4	49	
1-Jul	9.65	6.58	3.69	3.98	6.88	0.56	1.71	1.92	4.80	9.38	5.35	3.44	3.73	0.64	0.37	0.24	0.26	49.5	58.9	53.7	
2-Jul	4.81	0.50	2.27	1.52	4.04	0.04	1.25	1.10	7.16	4.69	0.38	2.10	1.44	0.32	0.03	0.14	0.10	45.6	46.5	48	
3-Jul	8.00	1.33	6.98	2.44	6.92	0.02	2.79	1.96	9.79	7.94	1.10	6.42	2.40	0.54	0.08	0.44	0.16	45.2	46.5	51.1	
4-Jul	6.94	0.31	4.17	2.13	6.73	0.15	3.54	2.06	3.15	6.92	0.31	4.10	2.13	0.47	0.02	0.28	0.15	44.8	59.3	50.4	
5-Jul	8.69	0.29	4.65	2.71	8.38	0.04	3.81	2.67	4.97	8.65	0.21	4.58	2.71	0.59	0.01	0.31	0.19	41.5	40.9	42.9	
6-Jul	15.29	1.06	14.94	5.02	14.65	0.23	8.06	4.71	5.71	15.19	0.83	13.98	4.96	1.04	0.06	0.96	0.34	50.2	64.2	53.4	
7-Jul	13.33	0.96	8.90	4.31	12.63	0.13	5.29	3.88	5.69	13.21	0.71	8.35	4.21	0.90	0.05	0.57	0.29	45.3	47	49.6	
8-Jul	8.48	0.83	5.50	2.46	7.73	0.08	2.94	2.25	3.94	8.40	0.60	5.13	2.46	0.58	0.04	0.35	0.17	47.4	45.1	49.3	
9-Jul	13.19	1.13	12.88	4.15	12.44	0.17	5.83	3.79	9.19	13.08	0.90	11.81	4.08	0.90	0.06	0.81	0.28	44.8	43.9	49.9	
10-Jul	20.85	1.63	13.38	7.06	19.98	0.25	8.10	6.50	9.30	20.79	1.19	11.94	6.98	1.42	0.08	0.82	0.48	45.1	43.8	47.3	
11-Jul	9.23	4.58	6.21	3.81	8.15	0.42	2.88	2.69	7.81	9.04	3.00	5.75	3.69	0.62	0.21	0.39	0.25	47.2	47.3	50.5	
12-Jul	12.25	4.15	10.58	5.46	9.96	0.40	3.85	4.38	4.28	12.04	3.42	9.65	5.31	0.82	0.23	0.66	0.36	45.6	45.5	51.2	
13-Jul	14.69	2.67	5.85	4.10	11.96	0.31	3.58	3.27	6.24	14.46	2.15	5.73	4.06	0.99	0.15	0.39	0.28	44.9	47.4	50.3	
14-Jul	8.04	1.73	3.25	2.48	6.75	0.06	2.29	1.88	4.36	7.85	1.31	3.23	2.35	0.54	0.09	0.22	0.16	52.5	54.3	53.1	
15-Jul	9.08	1.98	3.88	2.83	7.60	0.04	2.40	2.15	5.19	8.90	1.67	3.67	2.73	0.61	0.11	0.25	0.19	45.3	44.4	48.4	
16-Jul	7.98	0.83	2.98	2.29	7.19	0.02	2.52	2.04	2.66	7.83	0.70	2.98	2.27	0.54	0.05	0.20	0.16	44	50.4	48.7	

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
17-Jul	4.67	1.79	2.54	1.77	4.15	0.06	1.48	1.19	1.91	4.54	1.27	2.40	1.69	0.31	0.09	0.16	0.12	48.4	45.5	56.3	
18-Jul	4.63	3.38	1.08	2.21	2.85	0.23	0.58	0.69	0.88	4.44	2.15	0.98	1.88	0.30	0.15	0.07	0.13	51.6	52.3	50	
19-Jul	4.83	3.44	0.50	0.98	2.81	0.23	0.06	0.38	1.52	4.65	2.52	0.44	0.90	0.32	0.17	0.03	0.06	50.2	51.4	48.6	
20-Jul	8.54	0.35	3.04	2.50	8.10	0.02	2.85	2.38	14.00	8.50	0.29	3.02	2.50	0.58	0.02	0.21	0.17	46.3	50.9	52	
21-Jul	13.04	2.69	8.06	4.60	12.40	0.23	5.06	3.94	8.48	13.00	1.48	7.73	4.48	0.89	0.10	0.53	0.31	46.7	47	53	
22-Jul	14.27	2.77	9.00	4.58	12.71	0.23	4.88	3.81	10.40	14.13	2.15	8.69	4.48	0.97	0.15	0.60	0.31	44.4	44.1	58.1	
23-Jul	13.23	3.15	10.29	4.25	11.35	0.21	4.65	3.31	8.57	13.06	2.73	9.85	4.10	0.89	0.19	0.68	0.28	47.2	45.6	52.9	
24-Jul	5.02	13.56	1.98	5.79	3.33	1.52	0.67	1.96	4.01	4.83	8.08	1.75	4.60	0.33	0.55	0.12	0.32	49.9	54.7	51.9	
25-Jul	6.46	12.23	1.54	9.02	4.31	1.33	0.98	2.98	3.51	6.35	8.35	1.46	7.50	0.44	0.57	0.10	0.51	50.1	53.6	50.1	
26-Jul	8.02	4.21	12.02	2.90	5.71	0.27	2.90	1.52	3.49	7.79	3.69	11.15	2.73	0.53	0.25	0.76	0.19	43.7	43.3	51.4	
27-Jul	14.38	15.23	7.71	11.73	10.19	1.98	2.54	4.46	3.28	14.04	11.23	7.15	10.33	0.96	0.77	0.49	0.71	51.1	54.4	52.9	
28-Jul	6.10	1.63	1.73	0.83	3.60	0.83	0.40	0.38	2.07	5.90	1.40	1.58	0.75	0.40	0.10	0.11	0.05	42.7	45.2	53.8	
29-Jul	5.43	6.98	4.44	2.10	3.28	1.47	1.77	1.38	2.72	5.64	5.91	4.27	2.08	0.39	0.41	0.29	0.14	41.9	46.0	51.0	
30-Jul	3.40	20.38	6.60	4.71	1.15	5.06	3.69	3.25	7.17	3.94	17.15	6.33	4.52	0.27	1.17	0.43	0.31	46.5	50.8	53.0	
31-Jul	1.52	17.08	14.50	4.92	0.27	5.25	5.73	3.77	6.11	1.69	14.56	13.63	4.88	0.12	1.00	0.93	0.33	49.5	45.9	56.3	
1-Aug	1.98	16.94	16.42	7.02	0.77	7.85	7.89	5.98	8.52	2.13	15.35	15.76	6.93	0.15	1.05	1.08	0.47	43.4	44.3	50.7	
2-Aug	3.56	34.81	11.33	7.73	1.25	6.25	4.92	4.15	5.58	3.81	29.54	10.75	7.25	0.26	2.02	0.74	0.50	50.0	47.4	51.2	
3-Aug	2.29	10.75	5.31	3.77	0.48	3.44	3.21	2.90	6.17	2.65	8.98	5.10	3.75	0.18	0.62	0.35	0.26	45.5	44.0	46.6	
4-Aug	0.56	6.04	3.67	2.58	0.23	2.73	2.56	2.23	4.42	0.63	5.33	3.56	2.54	0.04	0.37	0.24	0.17	41.1	41.0	41.1	
5-Aug	4.60	16.02	7.92	5.31	1.48	4.38	4.08	3.71	8.16	4.25	13.42	7.60	5.21	0.29	0.92	0.52	0.36	44.8	44.4	48.0	
6-Aug	2.00	8.27	4.40	3.33	0.75	3.50	3.33	2.73	3.65	1.88	7.19	4.33	3.25	0.13	0.49	0.30	0.22	47.3	51.1	51.4	
7-Aug	1.52	14.00	11.56	6.48	0.88	8.00	8.48	6.10	11.90	1.38	13.17	11.33	6.46	0.09	0.90	0.78	0.44	45.8	42.8	51.1	
8-Aug	1.85	12.56	11.92	5.88	1.06	6.25	6.58	5.23	7.81	1.65	11.29	11.54	5.83	0.11	0.77	0.79	0.40	45.2	44.6	54.5	
9-Aug	1.46	9.63	6.60	4.92	1.04	6.44	6.04	4.69	6.42	1.38	9.15	6.60	4.90	0.09	0.63	0.45	0.34	42.3	44.5	51.1	
10-Aug	0.60	6.96	7.15	3.44	0.52	5.25	5.98	3.31	1.45	0.60	6.69	7.10	3.42	0.04	0.46	0.49	0.23	45.8	45.3	56.8	
11-Aug	1.54	20.92	7.88	4.83	0.85	7.85	7.08	4.75	17.65	1.46	20.15	7.83	4.81	0.10	1.38	0.54	0.33	40.8	42.2	50.4	
12-Aug	1.60	6.15	5.23	3.08	1.13	4.58	4.75	2.94	4.52	1.56	5.92	5.21	3.08	0.11	0.41	0.36	0.21	44.2	46.0	51.7	
13-Aug	1.50	7.85	5.60	3.56	0.81	4.46	4.77	3.25	3.36	1.33	7.15	5.54	3.54	0.09	0.49	0.38	0.24	57.9	59.0	56.4	
14-Aug	3.40	8.73	4.35	3.19	1.19	3.02	2.94	2.40	6.72	2.79	7.42	4.27	3.15	0.19	0.51	0.29	0.22	48.5	48.5	48.8	
15-Aug	1.50	17.58	4.67	5.02	0.56	4.00	3.21	3.35	12.12	1.23	14.79	4.54	4.75	0.08	1.01	0.31	0.33	46.0	46.5	49.8	
16-Aug	1.58	4.94	3.35	2.44	0.50	2.71	2.50	2.02	2.16	1.19	4.54	3.25	2.42	0.08	0.31	0.22	0.17	47.4	65.6	52.5	Noise exceedance caused by heavy rain
17-Aug	0.08	6.17	1.77	2.25	0.02	1.21	1.00	0.92	0.17	0.06	4.96	1.69	2.15	0.00	0.34	0.12	0.15	47.3	42.5	50.1	
18-Aug	0.65	6.88	2.54	1.73	0.19	1.40	1.21	1.04	0.72	0.48	5.65	2.50	1.69	0.03	0.39	0.17	0.12	43.8	42.0	44.1	
19-Aug	1.13	7.35	6.25	2.67	0.44	3.29	3.13	2.29	3.06	0.92	6.60	5.85	2.60	0.06	0.45	0.40	0.18	43.6	44.4	50.8	
20-Aug	1.90	14.17	12.50	3.58	0.19	3.40	3.98	2.38	8.62	1.54	11.81	11.71	3.48	0.11	0.81	0.80	0.24	46.4	44.5	53.9	
21-Aug	2.00	33.77	8.69	6.04	0.40	5.23	3.44	3.35	6.32	1.75	27.44	8.25	5.81	0.12	1.88	0.57	0.40	51.3	45.2	49.0	
22-Aug	1.44	7.25	6.19	2.56	0.46	3.06	3.04	2.04	3.67	1.23	6.65	5.94	2.48	0.08	0.46	0.41	0.17	48.0	70.3	54.9	Noise exceedance caused by heavy rain
23-Aug	4.15	38.42	10.44	5.69	1.88	9.67	6.85	3.92	9.52	3.85	36.10	10.35	5.52	0.26	2.47	0.71	0.38	49.5	47.7	54.1	
24-Aug	2.27	10.75	3.40	3.21	1.06	2.38	1.71	1.60	2.64	1.92	8.83	3.25	3.06	0.13	0.61	0.22	0.21	45.4	45.8	50.4	
25-Aug	4.88	12.04	1.79	1.81	1.77	1.56	1.02	0.75	0.66	4.19	9.40	1.73	1.79	0.29	0.64	0.12	0.12	44.7	53.1	48.4	
26-Aug	2.58	4.46	2.38	1.67	0.83	1.73	1.63	1.33	5.79	2.08	3.77	2.33	1.65	0.14	0.26	0.16	0.11	47.7	49.1	49.0	
27-Aug	1.22	12.19	8.46	3.17	0.16	3.21	3.65	2.29	10.04	1.09	10.15	8.06	3.10	0.07	0.69	0.55	0.21	47.5	45.3	52.5	
28-Aug	2.50	5.88	3.52	1.96	0.77	1.81	1.79	1.42	4.52	2.23	5.10	3.38	1.96	0.15	0.35	0.23	0.13	44.6	46.0	48.6	
29-Aug	1.96	11.83	11.75	2.48	0.19	1.88	2.46	1.04	8.21	1.69	9.48	10.65	2.44	0.12	0.65	0.73	0.17	48.1	46.4	56.1	
30-Aug	1.56	13.10	8.25	2.96	0.29	2.92	3.06	1.94	7.65	1.35	10.81	7.77	2.90	0.09	0.74	0.53	0.20	43.7	44.1	49.0	
31-Aug	1.46	9.73	7.31	4.48	1.08	6.33	6.50	4.29	10.45	1.38	9.44	7.29	4.48	0.09	0.65	0.50	0.31	46.8	51.0	47.7	
1-Sep	2.58	134.98	12.73	5.92	0.94	19.58	8.98	5.65	5.84	2.40	128.40	12.69	5.92	0.16	8.80	0.87	0.41	44.6	40.2	48.8	The elevated readings observed on-site at A2 , were observed due to rain and fog.
2-Sep	1.29	5.52	4.00	3.06	0.73	3.50	3.23	2.35	3.76	1.13	5.23	3.96	3.00	0.08	0.36	0.27	0.21	46.8	47.7	47.5	
3-Sep	2.08	9.63	8.40	3.98	0.77	3.46	3.56	2.81	6.79	1.77	8.25	7.81	3.88	0.12	0.57	0.54	0.27	48.8	46.4	49.5	
4-Sep	3.17	11.15	4.85	4.51	0.94	3.06	2.52	2.57	5.35	2.33	9.50	4.69	4.15	0.16	0.65	0.32	0.28	49.6	49.3	48.7	
5-Sep	1.40	9.56	9.96	2.83	0.35	2.83	3.27	2.15	7.56	1.15	8.04	9.15	2.81	0.08	0.55	0.63	0.19	47.6	44.9	53.2	
6-Sep	2.71	21.67	14.19	4.21	0.48	4.31	4.29	2.60	5.93	2.42	17.83	12.90	4.13	0.17	1.22	0.88	0.28	46.8	43.8	51.9	
7-Sep	1.73	21.27	16.96	4.17	0.50	5.45	5.27	3.23	9.69	1.54	17.79	15.73	4.15	0.11	1.22	1.08	0.28	46.6	44.1	51.3	A2 values based on a 16 hour average due to equipment malfunction.
8-Sep	1.79	13.75	9.10	5.73	0.81	8.06	7.29	5.31	9.66	1.66	12.75	9.00	5.71	0.11	0.87	0.62	0.39	43.5	44.4	48.1	
9-Sep	0.79	8.21	6.08	3.56	0.48	5.10	5.44	3.42	1.69	0.77	7.73	6.08	3.56	0.05	0.53	0.42	0.24	42.7	45.9	52.3	
10-Sep	0.44	2.69	2.23	1.19	0.35	2.02	1.98	1.13	0.20	0.44	2.63	2.23	1.19	0.03	0.18	0.15	0.08	43.1	52.0	44.1	
11-Sep	0.52	4.60	4.57	2.25	0.40	2.65	2.68	2.17	3.18	0.50	4.31	4.32	2.25	0.03	0.30	0.30	0.15	49.1	48.2	53.6	
12-Sep	1.52	6.21	5.63	2.31	0.79	1.77	2.31	1.52	2.16	1.31	5.60	5.27	2.25	0.09	0.38	0.36	0.15	49.1	46.5	50.6	
13-Sep	2.48	8.77	1.83	3.96	0.69	1.13	0.54	1.77	3.33	1.83	7.56	1.77	3.48	0.13	0.52	0.12	0.24	52.6	51.0	50.7	
14-Sep	1.10	13.27	2.88	1.85	0.38	1.29	0.60	0.58	4.31	0.92	10.06	2.65	1.65	0.06	0.69	0.18	0.11	50.0	46.4	49.7	
15-Sep	1.19	6.10	3.48	1.06	0.29	0.92	1.04	0.44	2.83	0.85	5.08	3.13	0.96	0.06	0.35	0.21	0.07	48.3	44.0	46.4	
16-Sep	2.38	9.96	8.94	4.17	1.04	3.88	4.46	3.48	9.53	2.10	9.06	8.33	4.08	0.14	0.62	0.57	0.28	45.2	45.5	51.8	
17-Sep	1.46	9.90	6.63	4.17	0.65	4.63	4.79	3.54	6.70	1.25	9.13	6.42	4.10	0.09	0.63	0.44	0.28	46.9	44.8	49.2	
18-Sep	1.35	8.13	6.79	2.65	0.73	2.33	3.35	2.27	18.96	1.25	7.29	6.33	2.65	0.09	0.50	0.43	0.18	47.2	47.3	52.0	
19-Sep	0.58	3.60	5.69	1.75	0.25	2.04	3.00	1.58	11.95	0.42	3.44	5.33	1.75	0.03	0.24	0.37	0.12	48.8	46.2	53.1	
20-Sep	2.00	3.29	2.69	1.00	0.86	1.19	1.31	0.81	5.02	1.64	3.08	2.50	0.96	0.11	0.21	0.17	0.07	48.4	49.3	51.5	
21-Sep	1.75	3.71	2.52	1.56	0.65	0.85	1.10	0.65	12.40	1.42	3.27	2.31	1.42	0.10	0.22	0.16	0.10	48.5	46.7	49.3	
22-Sep	3.96	7.79	1.79	5.08	1.35	1.00	0.96	1.71	9.98	3.08	6.56	1.75	4.33	0.21	0.45	0.12	0.30	49.9	48.6	47.9	
23-Sep	1.88	7.85	11.27	2.31	0.71	1.04	2.21	1.10	3.18	1.63	6.63	9.94	2.13	0.11	0.45	0.68	0.15	49.2	46.9	54.0	
24-Sep	15.55	12.43	2.57	9.75	4.79	1.18	0.36	3.73	1.15	13.18	10.05	2.30	7.94	0.90	0.69	0.16	0.54	52.1	53.3	51.9	

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
25-Sep	25.71	15.25	6.35	5.98	7.25	1.31	1.10	1.77	1.20	22.52	12.69	5.44	5.19	1.54	0.87	0.37	0.36	49.9	49.2	50.0	
26-Sep	7.40	3.88	3.65	1.40	2.54	0.79	0.96	0.73	0.99	6.75	3.38	3.25	1.27	0.46	0.23	0.22	0.09	49.1	54.4	52.1	
27-Sep	4.60	3.44	3.44	1.67	2.65	2.69	2.90	1.56	2.79	4.28	3.38	3.38	1.65	0.29	0.23	0.23	0.11	46.0	48.4	54.5	
28-Sep	3.89	4.79	4.92	3.02	3.39	4.06	4.50	2.92	3.08	3.72	4.46	4.88	2.96	0.25	0.31	0.33	0.20	42.5	44.9	51.5	
29-Sep	-	3.23	-	1.96	-	2.35	-	1.44	0.92	-	2.73	-	1.67	-	0.19	-	0.11	41.1	44.1	48.8	A2 Monitor not operating due to equipment malfunction.
30-Sep	6.62	3.98	5.39	2.38	7.05	3.88	5.39	2.35	4.31	7.19	3.50	4.83	2.33	0.49	0.24	0.33	0.16	47.5	51.2	49.1	
1-Oct	10.52	2.90	4.60	2.77	7.90	5.04	13.77	3.08	9.31	10.15	4.73	13.08	3.00	0.69	0.32	0.90	0.21	50.1	53.0	53.1	
2-Oct	11.10	1.98	2.29	1.38	6.35	4.67	5.33	1.75	7.22	10.46	4.38	4.85	1.73	0.72	0.30	0.33	0.12	50.3	50.5	49.9	
3-Oct	8.44	2.52	3.19	1.94	6.44	7.71	10.19	2.38	9.38	8.25	7.00	9.02	2.38	0.57	0.48	0.62	0.16	48.3	45.8	54.0	
4-Oct	15.83	0.83	1.00	2.00	5.42	1.71	1.60	4.94	3.23	14.27	1.44	1.48	4.17	0.98	0.10	0.10	0.29	44.5	44.5	47.9	
5-Oct	12.79	0.35	0.35	1.69	4.08	3.77	1.02	5.71	0.90	11.46	2.88	0.98	4.63	0.78	0.20	0.07	0.32	48.1	42.7	48.8	
6-Oct	10.04	1.04	1.13	2.23	4.06	3.17	1.85	6.17	4.80	9.13	2.69	1.73	5.15	0.63	0.18	0.12	0.35	37.9	37.2	40.5	
7-Oct	12.06	11.65	4.94	8.04	4.75	1.77	1.23	2.90	10.53	10.92	9.60	4.29	6.60	0.75	0.66	0.29	0.45	53.4	52.0	51.7	
8-Oct	1.02	2.00	1.08	2.60	0.46	0.67	0.65	0.75	0.57	0.85	1.42	1.02	1.75	0.06	0.10	0.07	0.12	43.2	48.3	49.3	
9-Oct	5.23	2.33	1.63	0.88	2.96	1.10	1.17	0.77	6.44	4.85	2.19	1.52	0.83	0.33	0.15	0.10	0.06	44.5	42.9	46.4	
10-Oct	13.23	4.44	4.40	2.58	6.19	2.31	2.67	2.06	12.67	11.88	4.10	4.08	2.50	0.81	0.28	0.28	0.17	46.3	45.7	47.6	
11-Oct	11.23	7.33	10.25	3.63	7.69	4.00	4.65	3.25	8.22	10.50	6.73	9.17	3.60	0.72	0.46	0.63	0.25	46.5	44.6	50.6	
12-Oct	14.65	7.98	9.15	4.17	10.17	3.90	4.46	3.67	13.34	14.06	7.31	8.42	4.13	0.96	0.50	0.58	0.28	44.8	45.9	45.8	
13-Oct	11.74	5.25	5.79	4.08	9.19	3.83	4.56	3.88	6.41	7.87	5.08	5.67	4.04	0.54	0.35	0.39	0.28	44.8	45.7	45.4	
14-Oct	12.60	7.06	7.15	4.13	8.81	5.60	5.50	3.92	2.88	12.10	6.77	6.79	4.13	0.83	0.46	0.47	0.28	47.3	53.1	49.1	
15-Oct	11.77	11.38	17.96	5.63	10.23	7.79	9.29	5.02	7.25	11.54	10.85	16.56	5.50	0.79	0.74	1.13	0.38	50.5	46.9	53.5	
16-Oct	22.06	13.08	7.65	6.06	7.77	2.04	2.02	2.52	8.07	19.38	10.96	6.73	5.46	1.33	0.75	0.46	0.37	52.0	48.8	50.2	
17-Oct	16.38	10.29	2.10	15.35	5.85	1.65	1.27	5.10	2.69	14.71	7.79	1.98	11.98	1.01	0.53	0.14	0.82	55.6	52.7	50.9	
18-Oct	6.85	21.02	1.73	15.63	2.52	2.38	0.85	4.92	2.73	6.06	16.02	1.58	12.06	0.42	1.10	0.11	0.83	54.7	52.8	51.9	
19-Oct	6.19	5.33	6.79	1.29	2.04	0.94	1.44	0.69	1.84	5.40	4.48	5.65	1.27	0.37	0.31	0.39	0.09	50.9	46.6	50.2	
20-Oct	5.25	12.23	8.27	1.88	2.29	1.65	1.77	1.21	3.96	4.77	10.44	6.90	1.79	0.33	0.71	0.47	0.12	53.7	43.9	49.0	
21-Oct	15.44	18.83	2.81	11.56	2.58	1.94	0.71	3.58	2.33	12.25	15.83	2.31	9.52	0.84	1.08	0.16	0.65	53.0	50.7	50.0	
22-Oct	12.21	21.40	8.02	16.38	2.94	2.54	1.52	5.02	2.68	10.46	16.90	6.56	13.08	0.72	1.16	0.45	0.90	54.1	52.2	55.1	
23-Oct	14.13	7.35	8.88	3.56	2.56	1.67	2.04	1.63	5.99	12.21	6.17	7.35	3.21	0.84	0.42	0.50	0.22	51.5	55.7	53.3	
24-Oct	22.56	25.29	1.79	11.88	7.00	2.63	0.73	3.56	4.05	20.22	20.73	1.50	10.04	1.39	1.42	0.10	0.69	54.1	52.7	50.3	
25-Oct	-	36.35	9.31	28.83	-	3.56	1.60	8.77	9.62	-	26.56	7.79	21.81	-	1.82	0.53	1.49	54.3	62.9	57.6	A1 Monitor not operating due to equipment malfunction.
26-Oct	-	4.06	2.44	3.25	-	1.06	0.92	0.77	3.85	-	3.00	2.02	2.27	-	0.21	0.14	0.16	50.2	57.4	54.4	A1 Monitor not operating due to equipment malfunction.
27-Oct	5.25	3.46	0.85	2.75	1.50	0.58	0.54	0.77	7.04	3.75	2.83	0.75	2.38	0.26	0.19	0.05	0.16	46.4	45.2	44.1	
28-Oct	-	8.27	3.65	13.04	-	1.04	0.98	3.42	2.21	-	5.10	2.77	8.40	-	0.35	0.19	0.58	49.1	60.6	55.4	A1 Monitor not operating due to equipment malfunction.
29-Oct	-	15.06	7.25	6.46	-	2.04	1.71	2.21	14.24	-	12.98	6.10	6.17	-	0.89	0.42	0.42	40.7	41.5	44.0	A1 Monitor not operating due to equipment malfunction.
30-Oct	-	16.60	6.17	7.88	-	1.98	1.73	2.65	8.88	-	14.35	5.69	7.35	-	0.98	0.39	0.50	49.8	50.7	48.9	A1 Monitor not operating due to equipment malfunction.
31-Oct	29.75	6.90	6.79	4.46	6.79	1.40	1.79	1.71	4.43	25.82	5.79	5.77	3.81	1.77	0.40	0.40	0.26	49.8	53.1	50.3	
1-Nov	3.50	31.52	16.54	4.56	2.57	3.83	3.27	2.25	8.18	3.29	26.65	13.75	4.40	0.23	1.83	0.94	0.30	59.5	45.9	49.3	
2-Nov	-	21.46	11.33	2.73	-	3.04	2.65	1.79	4.51	-	18.48	9.65	2.56	-	1.27	0.66	0.18	48.0	45.3	51.5	A1 Monitor not operating due to equipment malfunction.
3-Nov	-	2.26	2.82	1.34	-	2.04	2.66	1.28	1.07	-	2.22	2.82	1.30	-	0.15	0.19	0.09	42.5	45.3	49.0	A1 Monitor not operating due to equipment malfunction.
4-Nov	4.00	7.13	11.19	3.92	4.00	6.29	7.65	3.83	5.29	4.00	7.06	10.63	3.90	0.27	0.48	0.73	0.27	44.8	42.2	49.7	
5-Nov	6.33	7.08	6.52	3.33	6.00	5.00	5.38	2.33	4.27	6.22	6.10	6.46	2.92	0.43	0.42	0.44	0.20	45.3	48	51.8	
6-Nov	29.80	3.92	3.00	0.00	14.65	2.23	2.52	0.00	4.70	27.40	3.58	2.88	0.00	1.88	0.25	0.20	0.00	48.1	45.2	49.6	
7-Nov	15.40	2.40	1.81	2.43	7.13	1.06	1.04	0.71	9.45	14.07	2.13	1.67	1.71	0.96	0.15	0.11	0.12	51.9	49.9	49.5	
8-Nov	5.77	4.00	2.75	1.00	2.98	1.19	1.13	0.63	4.92	5.40	3.63	2.48	0.92	0.37	0.25	0.17	0.06	51.9	48.8	50.8	
9-Nov	4.67	11.04	8.69	2.41	4.67	8.02	7.63	2.35	3.05	4.67	10.52	8.52	2.41	0.32	0.72	0.58	0.17	43.1	45.4	50.4	
10-Nov	5.62	3.90	3.27	-	5.31	2.73	2.98	-	1.13	5.50	3.25	3.23	-	0.38	0.22	0.22	-	38.45	38.7	43.95	A4 Monitor not operating due to equipment/software malfunction
11-Nov	15.39	6.52	3.21	-	7.45	1.58	1.65	-	5.50	13.94	5.54	2.92	-	0.95	0.38	0.20	-	47.7	46.8	46.2	A4 Monitor not operating due to equipment/software malfunction
12-Nov	10.63	3.25	2.29	-	5.28	1.54	1.54	-	5.76	9.85	3.00	2.17	-	0.67	0.21	0.15	-	50.5	49.9	50.6	A4 Monitor not operating due to equipment/software malfunction
13-Nov	5.43	1.60	1.35	-	2.57	0.81	0.98	-	1.78	5.07	1.46	1.29	-	0.35	0.10	0.09	-	52.3	51.1	48.8	A4 Monitor not operating due to equipment/software malfunction
14-Nov	18.10	7.98	9.77	-	4.19	1.69	2.35	-	3.79	14.83	7.02	8.38	-	1.02	0.48	0.57	-	50.3	51.1	48.8	A4 Monitor not operating due to equipment/software malfunction
15-Nov	13.60	3.98	2.52	6.79	6.04	1.15	1.00	2.16	1.59	12.54	3.44	2.35	5.11	0.86	0.24	0.16	0.35	52.2	51.4	50.6	
16-Nov	2.43	4.98	1.40	4.98	1.57	0.98	0.75	2.17	2.80	2.40	4.23	1.31	4.31	0.16	0.29	0.09	0.30	49.5	49.4	48.9	
17-Nov	1.69	1.48	0.25	12.94	0.58	0.08	0.06	3.54	0.54	1.44	0.85	0.17	9.40	0.10	0.06	0.01	0.64	52.6	51.7	52.8	
18-Nov	11.81	5.35	5.25	5.81	3.81	0.94	1.25	1.92	1.59	10.48	4.69	4.50	4.79	0.72	0.32	0.31	0.33	50.1	48.2	52.0	
19-Nov	4.33	5.63	5.42	3.06	3.83	5.04	5.00	2.96	2.96	4.17	5.44	5.40	3.02	0.29	0.37	0.37	0.21	40.2	39.8	50.5	
20-Nov	2.58	9.10	1.88	1.31	2.42	2.65	1.73	1.29	1.11	2.50	8.00	1.83	1.31	0.17	0.55	0.13	0.09	46.7	41.3	45.2	
21-Nov	34.21	3.77	2.02	8.45	13.64	1.13	1.10	0.35	0.74	31.21	3.27	1.85	5.40	2.14	0.22	0.13	0.37	48.5	46.9	49.3	
22-Nov	2.31	1.56	0.79	-	1.44	0.46	0.27	-	0.78	2.08	1.33	0.71	-	0.14	0.09	0.05	-	51.9	49.5	47.1	A4 Monitor not operating due to equipment/software malfunction
23-Nov	1.17	2.44	0.27	-	1.00	0.35	0.17	-	0.34	1.15	1.98	0.27	-	0.08	0.14	0.02	-	53.5	51.1	47.3	A4 Monitor not operating due to equipment/software malfunction
24-Nov	4.96	1.25	0.44	-	1.83	0.02	0.00	-	0.94	4.50	0.79	0.40	-	0.31	0.05	0.03	-	50.5	51.55	50.6	A4 Monitor not operating due to equipment/software malfunction
25-Nov	33.58	7.44	5.42	-	7.21	0.81	0.79	-	0.47	27.88	6.10	4.15	-	1.91	0.42	0.28	-	48.1	48.1	49.4	A4 Monitor not operating due to equipment/software malfunction
26-Nov	1.33	3.04	3.17	-	1.00	1.96	2.40	-	1.06	1.33	2.88	3.04	-	0.09	0.20	0.21	-	43.3	44.2	48.3	A4 Monitor not operating due to equipment/software malfunction
27-Nov	14.00	5.29	3.40	-	6.75	2.44	2.23	-	0.56	12.25	3.98	3.17	-	0.84	0.27	0.22	-	43.2	50.6	48.5	A4 Monitor not operating due to equipment/software malfunction
28-Nov	22.44	5.63	5.02	-	12.89	3.69	4.04	-	3.76	20.89	5.19	4.71	-	1.43	0.36	0.32	-	43.3	42.3	46	A4 Monitor not operating due to equipment/software malfunction
29-Nov	40.11	10.58	8.04	-	20.04	4.56	5.44	-	8.03	36.44	9.38	7.48	-	2.50	0.64	0.51	-	46.4	45.3	51.6	A4 Monitor not operating due to equipment/software malfunction
30-Nov	9.21	25.31	7.13	-	5.97	7.02	4.17	-	11.51	8.52	21.35	6.29	-	0.58	1.46	0.43	-	48.5	42.4	48.8	A4 Monitor not operating due to equipment/software malfunction
1-Dec	18.07	7.02	2.10	-	7.05	1.36	1.10	-	1.78	15.54	5.60	1.92	-	1.06	0.38	0.13	-	46.3	44.15	44.55	A4 Monitor not operating due to equipment/software malfunction
2-Dec	12.67	8.17	0.25	-	3.73	0.65	0.02	-	0.27	10.65	5.58	0.13	-	0.73	0.38	0.01	-	52.1	49.1	48.2	A4 Monitor not operating due to equipment/software malfunction
3-Dec	16.58	5.75	0.40	-	4.27	0.58	0.06	-	0.85	13.81	4.65	0.33	-	0.95	0.32	0.02	-	47.6	45.4	46.7	A4 Monitor not operating due to equipment/software malfunction
4-Dec	17.00	3.17	2.67	-	7.15	2.13	2.06	-	2.12	15.31	2.90	2.52	-	1.05	0.20	0.17	-	49	56.2	53.2	A4 Monitor not operating due to equipment/software malfunction

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
5-Dec	19.61	9.06	3.58	4.48	8.61	1.77	1.31	2.48	4.13	17.85	8.04	3.13	3.37	1.22	0.55	0.21	0.23	49.5	45.4	50.3	
6-Dec	16.73	7.67	4.98	2.17	7.38	1.73	1.54	1.44	3.46	14.95	6.23	4.17	2.10	1.02	0.43	0.29	0.14	47.3	45.3	49.2	
7-Dec	13.76	9.02	8.83	0.67	10.28	7.65	7.54	0.67	5.42	13.20	8.92	8.73	0.67	0.90	0.61	0.60	0.05	44.7	48.1	48.7	
8-Dec	16.64	14.56	9.33	-	13.64	7.35	7.46	-	7.87	15.89	13.33	9.23	-	1.09	0.91	0.63	-	45.4	43.4	45.7	A4 Monitor not operating due to equipment/software malfunction
9-Dec	8.68	6.06	6.46	6.90	7.95	4.79	4.96	6.70	3.73	8.59	5.71	6.19	6.85	0.59	0.39	0.42	0.47	45.7	44.3	49.6	
10-Dec	13.19	10.98	9.85	3.18	9.00	4.67	4.88	2.82	5.73	12.00	10.77	9.13	3.18	0.82	0.74	0.63	0.22	47.4	45.5	49.3	
11-Dec	29.44	34.98	33.94	-	28.56	17.38	19.52	-	17.07	29.31	34.60	33.04	-	2.01	2.37	2.26	-	51.4	48.7	51.6	A4 Monitor not operating due to equipment/software malfunction
12-Dec	24.86	17.50	14.92	-	23.11	8.79	9.65	-	13.88	24.57	14.54	13.42	-	1.68	1.00	0.92	-	49.8	47.8	49.6	A4 Monitor not operating due to equipment/software malfunction
13-Dec	32.38	19.10	27.88	-	31.96	17.98	22.15	-	14.50	32.38	18.88	26.83	-	2.22	1.29	1.84	-	45.1	42.8	50.3	A4 Monitor not operating due to equipment/software malfunction. Winds for December 13th, 2019 were predominantly from the southeast. The elevated readings at the A1 Monitor, located on the western site boundary, were observed over the 24 hour period, including time outside site operating hours. This concentration is not anticipated to have a negative health impact on the community receptors, which are located east of the site.
14-Dec	2.71	3.60	4.31	-	2.64	3.35	4.02	-	5.59	2.68	3.58	4.27	-	0.18	0.25	0.29	-	46.4	43.4	47.8	A4 Monitor not operating due to equipment/software malfunction
15-Dec	3.58	2.04	2.10	-	3.08	1.58	1.73	-	1.86	3.53	2.00	2.04	-	0.24	0.14	0.14	-	42.4	39.8	44.1	A4 Monitor not operating due to equipment/software malfunction
16-Dec	2.94	1.56	0.08	-	1.13	0.04	0.00	-	0.24	2.50	1.02	0.08	-	0.17	0.07	0.01	-	49.4	46.3	47.4	A4 Monitor not operating due to equipment/software malfunction
17-Dec	3.19	16.07	1.98	2.80	1.06	1.13	0.29	1.00	0.36	2.52	12.83	1.52	1.60	0.17	0.88	0.10	0.11	49.1	47.4	51.8	
18-Dec	5.98	-	3.06	0.93	3.08	-	1.06	0.14	1.91	5.42	-	2.75	0.71	0.37	-	0.19	0.05	44.6	42.0	45.4	A2 Monitor not operating due to equipment/software malfunction
19-Dec	4.98	8.23	2.04	7.78	2.50	1.23	0.98	2.00	3.98	4.33	5.97	1.85	5.28	0.30	0.41	0.13	0.36	44.8	44.2	47.2	
20-Dec	5.29	17.67	39.79	1.92	2.38	1.83	3.54	0.50	2.00	4.63	16.42	36.92	1.50	0.32	1.12	2.53	0.10	47.5	48.5	49.4	
21-Dec	9.08	29.63	35.60	5.44	8.31	8.52	11.21	5.00	8.92	8.90	28.98	33.42	5.33	0.61	1.99	2.29	0.37	46.4	43.6	47.2	
22-Dec	2.00	19.38	9.52	-	1.76	3.71	3.48	-	2.94	1.90	19.29	9.44	-	0.13	1.32	0.65	-	38.4	39.7	42.8	A4 Monitor not operating due to equipment/software malfunction
23-Dec	3.68	83.65	77.79	-	3.63	10.65	13.44	-	10.22	3.95	81.67	74.73	-	0.27	5.59	5.12	-	41.4	40.2	44.3	A4 Monitor not operating due to equipment/software malfunction Wind speeds above 10km/h for December 23rd, 2019 were predominantly from the southeast. The elevated readings at the A2 & A3 Monitors, located on the western site boundary, were observed between 12:00 AM and 7:00 AM, outside site operating hours. These concentrations are not anticipated to have a negative health impact on the community receptors, which are located east of the site.
24-Dec	8.89	3.27	3.79	-	8.43	2.71	3.44	-	6.97	8.86	3.19	3.75	-	0.61	0.22	0.26	-	41.3	41.1	44.0	A4 Monitor not operating due to equipment/software malfunction
25-Dec	2.47	1.63	1.71	-	2.34	1.29	1.38	-	3.16	2.45	1.56	1.69	-	0.17	0.11	0.12	-	39.1	36.9	43.8	A4 Monitor not operating due to equipment/software malfunction
26-Dec	1.45	1.08	0.96	0.22	1.17	0.31	0.52	0.11	0.72	1.38	0.90	0.88	0.11	0.09	0.06	0.06	0.01	39.3	37.3	41.3	
27-Dec	0.83	0.81	0.48	0.03	0.71	0.02	0.04	0.00	0.42	0.81	0.63	0.38	0.00	0.06	0.04	0.03	0.00	40.7	39.2	44.9	
28-Dec	2.38	1.56	1.54	0.20	1.92	0.77	0.88	0.15	2.42	2.27	1.48	1.40	0.15	0.16	0.10	0.10	0.01	36.0	36.1	38.7	
29-Dec	1.31	0.77	0.73	-	1.15	0.46	0.56	-	1.16	1.27	0.71	0.71	-	0.09	0.05	0.05	-	42.0	40.5	47.4	A4 Monitor not operating due to battery malfunction. Low levels of sunlight and freezing temperatures have caused a negative effect on the power supply of the batteries. Upgraded batteries were installed week of Jan 13, 2020
30-Dec	0.93	0.67	0.63	0.33	0.63	0.29	0.42	0.00	1.88	0.83	0.60	0.63	0.33	0.06	0.04	0.04	0.02	-	-	-	Noise data unavailable due to upgrades
31-Dec	0.15	0.02	0.00	0.08	0.04	0.00	0.00	0.00	1.76	0.13	0.00	0.00	0.02	0.01	0.00	0.00	0.00	-	-	-	Noise data unavailable due to upgrades
1-Jan	1.94	1.42	1.42	0.00	1.79	1.27	1.21	0.00	3.41	1.89	1.38	1.42	0.00	0.13	0.09	0.10	0.00	-	-	-	Noise data unavailable due to upgrades
2-Jan	1.59	0.96	0.83	0.36	1.05	0.10	0.19	0.14	0.93	1.46	0.67	0.69	0.36	0.10	0.05	0.05	0.02	-	-	-	Noise data unavailable due to upgrades
3-Jan	3.54	5.83	2.29	6.41	1.94	0.94	0.81	2.26	5.13	3.21	4.88	2.00	4.22	0.22	0.33	0.14	0.29	51.9	50.8	56.8	
4-Jan	3.38	2.75	0.65	3.90	1.65	0.50	0.10	1.10	2.58	3.10	2.27	0.54	2.54	0.21	0.16	0.04	0.17	50.8	49.1	49.1	
5-Jan	5.90	17.88	1.06	6.17	2.81	1.90	0.25	2.40	1.87	5.27	14.52	0.83	5.03	0.36	0.99	0.06	0.34	50.8	1.0	46.0	
6-Jan	6.10	10.94	3.06	3.96	3.10	2.00	1.02	1.67	1.12	5.52	9.15	2.69	3.26	0.38	0.63	0.18	0.22	47.2	44.2	46.7	
7-Jan	14.21	15.25	17.96	-	13.38	10.00	10.71	-	8.13	13.88	14.96	17.10	-	0.95	1.02	1.17	-	44.0	42.4	50.7	A4 Monitor not operating due to battery malfunction. Low levels of sunlight and freezing temperatures have caused a negative effect on the power supply of the batteries. Upgraded batteries were installed week of Jan 13, 2020
8-Jan	22.36	19.44	18.71	-	19.21	11.98	11.40	-	7.84	21.64	17.98	17.50	-	1.48	1.23	1.20	-	43.4	44.6	51.9	A4 Monitor not operating due to battery malfunction. Low levels of sunlight and freezing temperatures have caused a negative effect on the power supply of the batteries. Upgraded batteries were installed week of Jan 13, 2020
9-Jan	13.87	6.54	7.17	-	10.45	5.73	6.29	-	4.51	13.19	6.40	7.06	-	0.90	0.44	0.48	-	40.7	41.0	42.9	A4 Monitor not operating due to battery malfunction. Low levels of sunlight and freezing temperatures have caused a negative effect on the power supply of the batteries. Upgraded batteries were installed week of Jan 13, 2020
10-Jan	8.59	9.44	6.33	-	6.08	8.67	4.52	-	10.15	7.92	9.00	5.88	-	0.54	0.62	0.40	-	47.0	42.6	46.8	A4 Monitor not operating due to battery malfunction. Low levels of sunlight and freezing temperatures have caused a negative effect on the power supply of the batteries. Upgraded batteries were installed week of Jan 13, 2020
11-Jan	31.89	-	9.02	-	29.49	-	7.17	-	13.73	31.30	-	8.54	-	2.14	-	0.59	-	41.0	41.3	43.4	A2 Monitor not operating due to equipment/software malfunction. A4 Monitor not operating due to battery malfunction. Low levels of sunlight and freezing temperatures have caused a negative effect on the power supply of the batteries. Upgraded batteries were installed week of Jan 13, 2020

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
12-Jan	14.42	-	10.75	-	12.58	-	9.13	-	3.87	13.67	-	10.48	-	0.94	-	0.72	-	38.8	37.0	40.3	A2 Monitor not operating due to equipment/software malfunction. A4 Monitor not operating due to battery malfunction. Low levels of sunlight and freezing temperatures have caused a negative effect on the power supply of the batteries. Upgraded batteries were installed week of Jan 13, 2020
13-Jan	8.87	-	8.69	-	8.35	-	7.31	-	5.56	8.74	-	8.38	-	0.60	-	0.57	-	39.2	38.8	40.5	Site not operating due to extreme cold. A2 Monitor not operating due to equipment/software malfunction. A4 Monitor not operating due to battery malfunction. Low levels of sunlight and freezing temperatures have caused a negative effect on the power supply of the batteries. Upgraded batteries were installed week of Jan 13, 2021
14-Jan	19.24	10.70	8.54	14.24	15.36	7.81	7.23	7.76	10.14	17.08	9.22	8.21	10.05	1.17	0.63	0.56	0.69	39.7	38.6	43.5	Site not operating due to extreme cold.
15-Jan	19.96	11.40	8.58	9.00	18.48	9.11	7.15	6.79	14.50	19.48	10.56	7.83	7.56	1.33	0.72	0.54	0.52	38.7	37.7	42.8	Site not operating due to extreme cold.
16-Jan	12.30	8.87	9.00	8.00	11.87	7.53	8.00	7.00	8.98	12.30	8.49	8.59	7.00	0.84	0.58	0.59	0.48	40.2	40.0	43.4	Site not operating due to extreme cold.
17-Jan	21.96	7.67	-	7.85	21.19	6.63	-	7.62	16.95	21.78	7.48	-	7.77	1.49	0.51	-	0.53	39.7	37.8	40.9	Site not operating due to extreme cold. A3 not operating due to equipment/software malfunction due to extreme cold weather.
18-Jan	25.90	10.98	-	-	25.06	9.73	-	-	18.42	25.77	10.81	-	-	1.77	0.74	-	-	40.2	39.1	41.5	Site not operating due to extreme cold. A3 & A4 not operating due to equipment/software malfunction due to extreme cold weather.
19-Jan	8.56	12.04	-	-	8.15	10.92	-	-	14.63	8.41	11.79	-	-	0.58	0.81	-	-	42.3	40.8	43.7	Site not operating due to extreme cold. A3 & A4 not operating due to equipment/software malfunction due to extreme cold weather.
20-Jan	3.54	13.25	-	-	1.85	8.79	-	-	2.77	3.38	12.42	-	-	0.23	0.85	-	-	51.0	47.6	48.1	A3 & A4 not operating due to equipment/software malfunction due to extreme cold weather.
21-Jan	6.08	14.85	-	2.67	3.00	7.73	-	1.86	8.09	5.79	13.54	-	2.24	0.40	0.93	-	0.15	51.4	44.8	50.8	
22-Jan	5.21	13.40	1.04	3.10	2.88	6.58	1.00	1.00	1.78	4.75	12.13	1.04	2.38	0.33	0.83	0.07	0.16	49.6	48.4	46.0	
23-Jan	4.29	12.56	5.46	3.21	2.00	6.00	5.06	1.00	5.51	4.00	11.48	5.42	2.44	0.27	0.79	0.37	0.17	52.1	49.2	49.9	
24-Jan	4.23	12.29	0.35	5.00	2.00	5.04	0.29	1.65	2.13	4.00	10.96	0.33	3.83	0.27	0.75	0.02	0.26	51.2	49.3	49.2	
25-Jan	4.00	11.23	1.29	3.46	2.00	4.81	1.25	1.13	0.96	4.00	9.92	1.29	2.88	0.27	0.68	0.09	0.20	49.9	49.1	44.9	
26-Jan	5.27	10.75	7.08	3.92	2.65	4.00	5.83	1.06	6.78	4.65	9.58	6.88	3.00	0.32	0.66	0.47	0.21	49.8	43.9	50.9	
27-Jan	6.00	10.71	1.66	3.50	3.00	4.00	1.63	1.31	1.96	5.00	9.27	1.63	3.13	0.34	0.64	0.11	0.21	50.7	49.5	46.2	
28-Jan	7.56	10.92	-	3.46	3.00	4.00	-	1.06	5.49	6.60	9.60	-	3.15	0.45	0.66	-	0.22	48.2	47.1	47.1	A3 not operating due to equipment/software malfunction.
29-Jan	11.02	12.83	-	5.48	3.73	4.00	-	2.00	5.35	9.79	11.27	-	5.08	0.67	0.77	-	0.35	49.1	45	49.7	A3 not operating due to equipment/software malfunction.
30-Jan	14.44	14.77	-	10.75	4.90	4.00	-	3.19	7.61	12.92	12.77	-	9.71	0.88	0.87	-	0.67	48.4	48.8	45.8	A3 not operating due to equipment/software malfunction.
31-Jan	15.65	17.35	-	7.17	5.00	4.00	-	2.00	4.39	13.65	15.00	-	6.50	0.93	1.03	-	0.45	46.6	43.2	49.4	A3 not operating due to equipment/software malfunction.
1-Feb	15.44	18.00	-	7.21	4.77	4.00	-	2.04	0.48	13.48	15.00	-	6.17	0.92	1.03	-	0.42	50.5	46.3	51.3	A3 not operating due to equipment/software malfunction.
2-Feb	13.36	17.21	-	7.77	4.83	4.00	-	2.06	0.62	11.81	14.52	-	6.19	0.81	0.99	-	0.42	44.6	43.5	42.3	A3 not operating due to equipment/software malfunction.
3-Feb	4.23	16.38	-	5.50	2.35	3.64	-	1.50	1.18	4.02	14.00	-	4.00	0.28	0.96	-	0.27	42.5	42.1	45.9	A3 not operating due to equipment/software malfunction.
4-Feb	15.49	-	-	20.16	6.02	-	-	4.95	1.21	13.39	-	-	13.42	0.92	-	-	0.92	49.5	48.2	48.7	A2 & A3 not operating due to equipment/software malfunction.
5-Feb	8.75	8.48	2.13	6.35	3.02	1.00	2.07	1.72	1.14	7.50	7.05	2.13	4.61	0.51	0.48	0.15	0.32	53.7	47.8	46.5	
6-Feb	8.31	4.17	3.65	2.04	2.94	0.52	3.50	0.92	1.02	7.19	3.27	3.60	1.75	0.49	0.22	0.25	0.12	45.4	45.1	47.2	
7-Feb	8.63	3.56	8.02	2.00	3.00	1.00	7.02	1.00	2.17	7.63	3.29	7.90	1.54	0.52	0.23	0.54	0.11	47.2	45.1	49.8	
8-Feb	8.95	4.33	13.92	4.00	3.67	1.71	13.21	2.85	3.29	8.00	4.00	13.48	3.74	0.55	0.27	0.92	0.26	42.8	45.2	45.4	
9-Feb	3.23	4.15	8.44	-	1.40	2.00	6.21	-	1.62	2.77	4.00	6.92	-	0.19	0.27	0.47	-	46.6	41.8	48.0	A4 not operating due to equipment/software malfunction.
10-Feb	4.81	4.00	6.04	1.09	1.85	2.00	4.15	0.48	3.63	4.06	3.08	4.79	0.96	0.28	0.21	0.33	0.07	48.3	46.2	49.8	
11-Feb	6.08	3.08	8.85	5.04	2.60	2.00	7.85	1.33	1.73	5.46	3.00	8.73	3.54	0.37	0.21	0.60	0.24	49.0	49.6	53.5	
12-Feb	7.75	3.50	13.08	6.40	6.34	2.00	12.38	2.88	6.67	7.30	3.00	12.65	4.98	0.50	0.21	0.87	0.34	43.1	42.7	50.0	
13-Feb	15.07	4.00	6.04	5.50	6.98	2.00	5.56	4.35	9.62	13.10	3.65	5.73	5.17	0.90	0.25	0.39	0.35	48.2	49.3	50.5	
14-Feb	11.63	4.56	9.67	4.96	6.52	2.17	7.61	3.52	10.06	10.44	4.00	9.16	4.52	0.71	0.27	0.63	0.31	42.6	42.6	49.3	
15-Feb	11.85	5.48	11.71	6.69	8.46	3.00	8.27	4.73	4.51	10.94	4.81	11.19	6.02	0.75	0.33	0.77	0.41	44.5	45.9	48.3	
16-Feb	9.79	5.48	7.73	6.19	6.73	3.00	5.33	3.23	1.51	9.15	5.00	7.35	5.15	0.63	0.34	0.50	0.35	38.7	37.2	41.8	
17-Feb	9.98	5.38	6.98	5.13	6.69	3.00	4.77	3.40	4.80	9.13	5.00	6.58	4.15	0.63	0.34	0.45	0.28	41.1	42.0	50.0	
18-Feb	12.15	6.00	8.33	8.87	8.35	3.00	5.83	6.91	14.02	11.25	5.19	7.73	8.09	0.77	0.36	0.53	0.55	43.9	43.2	47.3	
19-Feb	13.44	6.67	9.00	6.23	9.00	3.00	6.00	5.33	7.57	12.38	6.29	8.31	6.08	0.85	0.43	0.57	0.42	42.9	42.3	44.8	
20-Feb	14.50	8.00	8.50	14.88	9.00	3.00	5.54	5.19	5.71	13.27	7.00	8.00	11.58	0.91	0.48	0.55	0.79	49.6	50.3	50.6	
21-Feb	15.94	8.00	7.73	24.10	9.00	3.00	5.00	7.46	3.89	14.25	7.00	7.02	18.60	0.98	0.48	0.48	1.27	50.6	50.9	51.3	
22-Feb	17.29	8.00	7.00	17.58	9.00	3.00	4.40	5.50	4.89	15.46	7.00	6.54	14.42	1.06	0.48	0.45	0.99	46.5	48.0	52.2	
23-Feb	16.54	8.00	7.00	3.13	9.00	3.00	4.00	1.79	7.15	15.00	7.00	6.00	3.06	1.03	0.48	0.41	0.21	46.0	39.6	42.7	
24-Feb	15.88	5.79	7.00	3.48	8.50	2.48	4.00	2.00	5.55	14.08	5.04	6.00	3.00	0.96	0.35	0.41	0.21	42.7	43.4	50.3	
25-Feb	15.00	5.81	7.13	3.00	8.00	3.88	4.00	2.27	9.68	14.00	5.50	6.35	3.00	0.96	0.38	0.44	0.21	44.7	43.8	48.7	
26-Feb	14.96	5.17	7.00	4.25	8.00	2.58	4.00	1.73	3.30	13.06	4.88	6.96	3.48	0.89	0.33	0.48	0.24	45.9	46.9	47.7	
27-Feb	14.00	4.17	7.00	10.31	7.85	2.00	4.00	3.33	3.49	13.00	3.83	6.00	7.56	0.89	0.26	0.41	0.52	49.8	51.6	50.5	
28-Feb	14.00	5.96	7.04	11.42	7.00	1.73	4.00	4.02	7.72	13.00	5.04	6.44	8.63	0.89	0.35	0.44	0.59	47.1	45.6	52.4	
29-Feb	14.00	7.21	7.13	7.06	7.00	2.00	4.00	2.60	1.43	12.67	6.13	6.81	5.53	0.87	0.42	0.47	0.38	50.6	52.3	53.9	
1-Mar	13.67	6.25	7.00	2.00	7.00	2.00	3.50	1.00	3.55	12.08	5.42	6.00	1.79	0.83	0.37	0.41	0.12	40.2	38.8	42.9	
2-Mar	13.00	6.00	7.00	6.10	7.00	2.00	3.00	2.23	2.70	12.00	5.00	6.00	4.71	0.82	0.34	0.41	0.32	50.9	52.0	52.1	
3-Mar	13.48	5.02	6.23	11.96	7.00	1.06	3.00	3.63	1.89	12.29	4.73	6.00	8.79	0.84	0.32	0.41	0.60	50.6	53.5	52.2	
4-Mar	14.00	5.00	6.00	13.33	7.00	1.00	3.00	4.00	1.24	12.10	4.08	5.79	10.00	0.83	0.28	0.40	0.69	51.1	52.9	52.4	
5-Mar	13.79	5.56	6.54	12.15	6.21	1.00	3.00	4.00	7.22	12.00	4.56	5.60	8.88	0.82	0.31	0.38	0.61	44.9	45.7	50.4	
6-Mar	13.04	6.00	7.00	10.56	6.08	1.17	3.00	3.44	7.43	12.00	5.00	6.00	8.00	0.82	0.34	0.41	0.55	46.0	48.6	49.5	

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
7-Mar	13.10	6.00	7.00	10.00	7.00	2.00	3.00	4.00	1.90	12.00	5.94	6.00	7.88	0.82	0.41	0.41	0.54	40.0	39.8	44.9	
8-Mar	13.00	6.00	7.00	9.33	7.00	2.04	3.13	4.72	14.13	12.00	5.78	6.00	7.39	0.82	0.40	0.41	0.51	42.0	39.7	42.2	
9-Mar	13.00	6.00	7.00	5.92	7.00	3.00	4.00	5.44	2.07	12.00	6.00	6.00	5.73	0.82	0.41	0.41	0.39	46.2	47.7	45.1	
10-Mar	13.00	6.48	7.00	5.50	7.00	2.21	3.27	2.71	2.58	12.00	5.71	6.00	4.75	0.82	0.39	0.41	0.33	52.0	53.2	51.4	
11-Mar	13.00	6.40	7.00	6.06	7.00	2.00	3.00	2.40	3.68	12.00	6.00	6.00	4.81	0.82	0.41	0.41	0.33	47.7	49.7	50.1	
12-Mar	13.00	6.00	5.96	2.16	7.00	2.00	2.48	1.14	4.99	12.00	6.00	5.24	1.74	0.82	0.41	0.36	0.12	45.6	47.7	49.9	
13-Mar	13.00	6.00	5.00	7.83	6.38	2.00	3.00	3.00	1.19	12.00	5.77	4.17	5.04	0.82	0.40	0.29	0.35	40.4	36.5	48.7	
14-Mar	13.00	6.00	5.00	6.79	6.00	2.00	3.00	3.06	4.43	11.31	5.00	4.00	4.56	0.77	0.34	0.27	0.31	42.4	38.9	46.2	
15-Mar	12.69	6.00	5.00	3.06	6.00	2.00	3.00	2.13	11.57	11.00	5.00	4.00	2.46	0.75	0.34	0.27	0.17	39.3	37.5	39.4	
16-Mar	12.00	6.00	4.90	2.00	6.00	2.00	3.00	2.00	6.67	11.00	5.00	4.27	2.00	0.75	0.34	0.29	0.14	42.7	42.6	46.9	
17-Mar	12.00	6.00	5.06	5.64	6.02	2.02	3.10	4.88	11.15	11.00	5.00	4.42	5.32	0.75	0.34	0.30	0.36	49.1	49.7	54.8	
18-Mar	12.85	6.02	7.19	10.33	7.00	3.00	5.23	9.94	10.88	11.25	5.67	6.79	10.15	0.77	0.39	0.47	0.69	44.0	44.9	51.4	
19-Mar	13.00	7.00	9.73	13.13	7.00	3.48	7.17	12.40	10.62	12.00	6.00	9.23	12.77	0.82	0.41	0.63	0.87	45.3	65.4	51.5	Noise exceedance caused by kids playing close to the microphone
20-Mar	13.00	7.00	11.00	10.89	7.63	4.00	8.00	9.66	19.06	12.00	6.33	10.31	10.37	0.82	0.43	0.71	0.71	46.5	47.4	48.9	
21-Mar	13.00	7.00	11.00	6.17	8.00	4.00	8.00	5.75	5.96	12.00	7.00	10.50	6.13	0.82	0.48	0.72	0.42	43.8	54.6	47.3	
22-Mar	13.00	7.00	10.29	3.44	8.00	4.00	7.31	3.21	7.45	12.00	6.40	9.94	3.40	0.82	0.44	0.68	0.23	40.7	38.7	39.6	
23-Mar	13.00	7.00	10.00	4.69	8.00	4.00	7.00	3.15	8.17	12.00	6.52	9.00	4.10	0.82	0.45	0.62	0.28	45.7	48.4	49.7	
24-Mar	13.00	7.00	10.00	6.73	8.00	4.00	7.00	5.73	3.76	12.00	7.00	9.00	6.46	0.82	0.48	0.62	0.44	42.1	44.9	50.7	
25-Mar	13.00	7.00	10.00	5.73	8.00	4.00	7.00	5.13	5.91	12.00	7.00	9.00	5.48	0.82	0.48	0.62	0.38	43.6	45.5	48.0	
26-Mar	13.00	13.10	9.98	6.75	8.00	3.15	7.00	4.77	3.94	12.00	11.44	9.00	6.08	0.82	0.78	0.62	0.42	50.4	54.1	51.6	
27-Mar	13.00	10.02	9.00	8.56	8.00	2.00	6.96	5.00	3.43	12.00	8.50	9.00	7.00	0.82	0.58	0.62	0.48	49.3	51.6	49.4	
28-Mar	13.00	8.19	9.00	7.58	8.00	1.81	6.00	3.77	6.35	12.00	7.06	8.04	6.06	0.82	0.48	0.55	0.42	42.1	70.7	43.0	Noise exceedance caused by kids playing close to the microphone
29-Mar	13.00	6.56	8.48	0.54	8.00	2.00	6.00	0.13	1.11	12.00	5.75	8.00	0.44	0.82	0.39	0.55	0.03	41.8	39.4	44.3	
30-Mar	13.00	7.79	8.69	3.96	8.00	3.50	6.27	3.50	5.63	12.00	7.08	8.40	3.75	0.82	0.49	0.58	0.26	55.5	44.4	55.5	
31-Mar	13.00	9.52	9.00	4.02	8.00	5.00	7.00	3.83	2.52	12.00	9.00	9.00	3.73	0.82	0.62	0.62	0.26	49.5	44.7	49.5	
1-Apr	13.00	8.77	9.00	4.79	8.00	4.96	6.35	2.96	1.28	12.00	8.13	9.00	3.77	0.82	0.56	0.62	0.26	49.0	46.0	49.0	
2-Apr	13.00	8.00	9.00	4.40	8.00	4.02	6.00	2.60	6.59	12.00	8.00	8.69	3.42	0.82	0.55	0.60	0.23	50.1	59.1	50.1	
3-Apr	13.00	8.00	9.00	5.00	8.00	5.00	6.00	3.00	6.07	12.00	8.00	9.00	4.00	0.82	0.55	0.62	0.27	49.6	41.8	49.6	
4-Apr	13.00	8.00	9.00	5.00	8.00	5.00	6.00	3.40	9.51	12.00	8.00	9.00	4.00	0.82	0.55	0.62	0.27	39.8	37.8	39.8	
5-Apr	13.00	8.81	9.48	5.00	8.00	5.10	6.65	4.00	8.50	12.00	8.08	9.06	4.67	0.82	0.55	0.62	0.32	49.7	38.7	49.7	
6-Apr	13.00	10.98	11.00	5.40	8.00	6.00	7.00	4.56	10.88	12.00	10.00	10.94	5.00	0.82	0.69	0.75	0.34	43.8	46.2	50.8	
7-Apr	13.00	10.60	11.00	5.00	8.00	6.00	7.00	4.19	3.55	12.00	10.00	11.00	5.00	0.82	0.69	0.75	0.34	42.8	52.1	53.5	
8-Apr	13.00	10.00	11.00	5.00	8.00	6.00	7.00	4.00	1.87	12.00	9.69	10.50	5.00	0.82	0.66	0.72	0.34	42.7	46.1	49.1	
9-Apr	13.00	10.00	11.33	5.00	8.00	5.13	7.00	4.00	9.19	12.00	9.52	10.48	4.25	0.82	0.65	0.72	0.29	44.0	46.7	52.2	
10-Apr	13.00	10.00	12.00	5.00	8.00	5.00	7.00	4.00	1.97	12.00	9.10	11.00	4.73	0.82	0.62	0.75	0.32	39.7	38.4	48.3	
11-Apr	12.90	9.35	11.38	4.94	8.00	5.00	6.08	3.96	0.80	12.00	9.00	11.00	3.96	0.82	0.62	0.75	0.27	41.0	56.0	49.4	
12-Apr	12.00	9.00	11.00	4.19	8.00	5.00	6.00	2.54	0.96	11.00	8.65	10.63	3.10	0.75	0.59	0.73	0.21	39.6	38.1	43.4	
13-Apr	12.00	9.00	11.00	4.27	8.00	5.00	6.00	2.33	5.38	11.00	8.00	10.00	3.00	0.75	0.55	0.69	0.21	42.7	45.1	46.5	
14-Apr	12.00	8.22	11.00	3.00	8.00	5.00	6.00	2.00	2.51	11.00	8.00	10.00	2.20	0.75	0.55	0.69	0.15	44.1	46.8	50.8	
15-Apr	12.00	8.00	10.56	2.53	7.85	4.85	6.00	1.84	4.20	11.00	8.00	10.00	1.84	0.75	0.55	0.69	0.13	44.1	46.7	49.8	
16-Apr	12.00	8.00	10.00	1.30	7.00	4.00	6.00	1.00	4.37	11.00	7.44	10.00	1.09	0.75	0.51	0.69	0.07	42.6	44.0	48.0	
17-Apr	12.00	8.00	8.09	1.94	7.00	4.00	3.94	1.11	4.50	11.00	7.00	7.72	1.70	0.75	0.48	0.53	0.12	45.0	48.7	51.4	
18-Apr	12.00	7.35	3.83	1.06	7.00	4.00	2.00	1.00	2.90	11.00	7.00	3.54	1.02	0.75	0.48	0.24	0.07	37.1	35.5	42.2	
19-Apr	12.00	7.00	4.00	1.54	7.00	4.00	3.00	1.23	3.53	11.00	7.00	3.75	1.54	0.75	0.48	0.26	0.11	38.7	39.5	43.4	
20-Apr	11.69	7.00	4.03	4.88	7.00	4.00	2.60	1.81	2.10	11.00	7.00	3.63	3.90	0.75	0.48	0.25	0.27	45.0	49.8	48.4	
21-Apr	12.38	7.36	2.10	1.86	7.00	4.00	1.05	0.81	8.06	11.38	7.00	2.05	1.43	0.78	0.48	0.14	0.10	50.2	51.1	49.9	
22-Apr	12.71	8.48	3.04	-	7.00	4.00	1.00	-	6.01	11.79	7.56	2.94	-	0.81	0.52	0.20	-	46.1	47.4	49.1	A4 not operating due to equipment/software malfunction.
23-Apr	12.00	8.67	5.08	-	7.00	4.00	1.00	-	2.77	11.00	8.00	4.46	-	0.75	0.55	0.31	-	46.3	46.9	54.6	A4 not operating due to equipment/software malfunction.
24-Apr	12.00	9.00	5.96	23.89	7.00	4.00	1.65	8.06	7.42	11.00	8.00	5.00	16.06	0.75	0.55	0.34	1.10	45.8	45.2	51.7	
25-Apr	12.00	9.00	6.92	10.53	7.00	4.00	2.00	4.03	5.12	11.00	8.00	6.29	7.43	0.75	0.55	0.43	0.51	48.9	46.3	54.5	
26-Apr	12.00	9.00	8.15	2.12	7.00	4.00	2.00	1.09	8.99	11.00	8.00	7.08	1.61	0.75	0.55	0.49	0.11	43.2	51.0	50.2	
27-Apr	12.60	9.00	7.04	21.52	7.00	4.00	2.00	7.39	3.56	11.48	8.00	6.17	14.42	0.79	0.55	0.42	0.99	50.4	47.5	53.6	
28-Apr	12.69	9.29	7.00	9.84	7.00	4.00	2.00	2.89	3.26	11.04	8.35	6.00	5.96	0.76	0.57	0.41	0.41	45.8	43.7	51.3	
29-Apr	12.00	9.79	8.31	1.67	7.00	4.00	2.00	0.84	10.22	11.00	9.00	7.13	1.58	0.75	0.62	0.49	0.11	44.5	42.2	54.6	
30-Apr	12.50	10.00	9.38	4.08	7.00	3.67	2.00	1.78	6.89	11.44	9.00	8.00	3.16	0.78	0.62	0.55	0.22	50.8	50.5	51.1	
1-May	13.00	10.00	9.00	2.88	7.00	3.00	2.00	1.38	10.90	11.94	9.00	8.00	2.42	0.82	0.62	0.55	0.17	42.7	48.4	48.8	
2-May	13.00	10.00	9.50	3.44	7.00	3.00	2.00	2.00	7.38	11.00	9.00	8.33	3.13	0.75	0.62	0.57	0.21	41.5	43.1	49.1	
3-May	12.33	10.00	10.00	14.64	7.00	3.00	2.00	4.77	-	11.00	9.00	8.83	10.67	0.75	0.62	0.61	0.73	45.7	58.5	49.7	CRAZ data unavailable.
4-May	8.68	9.29	9.23	0.42	4.87	3.00	2.00	0.42	2.18	7.96	8.17	8.00	0.42	0.55	0.56	0.55	0.03	49.1	53.7	51.3	
5-May	3.69	9.00	9.00	1.02	2.15	3.00	2.00	0.81	10.29	3.35	8.00	8.00	1.02	0.23	0.55	0.55	0.07	42.1	42.9	54.3	
6-May	6.85	9.00	9.54	3.00	4.54	3.00	2.00	2.23	6.26	6.46	8.00	8.48	2.85	0.44	0.55	0.58	0.20	50.2	48.8	56.0	
7-May	7.29	9.00	10.00	4.92	4.71	3.00	2.00	2.85	7.58	6.83	8.00	9.00	4.19	0.47	0.55	0.62	0.29	46.0	47.4	59.2	
8-May	7.02	8.44	10.00	2.68	4.31	2.54	2.00	2.27	1.59	6.79	7.46	9.00	2.55	0.47	0.51	0.62	0.17	47.4	58.1	52.1	
9-May	6.21	6.75	9.63	2.28	4.00	1.08	2.00	1.98	3.20	6.00	5.83	8.19	2.15	0.41	0.40	0.56	0.15	43.5	44.8	49.9	
10-May	6.04	5.33	9.00	2.94	4.00	0.00	2.00	2.21	2.57	6.00	4.38	8.00	2.92	0.41	0.30	0.55	0.20	40.1	37.3	49.4	
11-May	6.00	3.91	9.25	2.15	4.00	1.66	2.00	2.00	4.11	6.00	3.03	8.00	2.04	0.41	0.21	0.55	0.14	42.2	43.8	50.5	
12-May	6.17	-	10.48	3.68	4.40	-	2.35	2.68	4.49	6.00	-	8.96	3.66	0.41	-	0.61	0.25	44.3	42.3	54.3	A2 not operating due to equipment/software malfunction. GHD to replace A2 with an alternate unit while it is sent off for repair.
13-May	7.29	-	11.00	5.35	5.00	-	3.00	3.83	9.64	6.71	-	10.00	5.13	0.46	-	0.69	0.35	42.2	43.6	61.8	A2 not operating due to equipment/software malfunction. GHD to replace A2 with an alternate unit while it is sent off for repair.

SWCRR
NORTH PIT OPERATIONS SUMMARY

Substance	TSP (24 hr. avg. max. 100 µg/m³)				$PM_{2.5}$ (24 hr. avg. max. 30 µg/m³)					PM_{10}				Silica Indicator (24 hr. avg. max. 5 µg/m³)				Noise (12 hr. avg. max. 65 dBA)			Comments
Location	A1	A2	A3	A4	A1	A2	A3	A4	CRAZ NW	A1	A2	A3	A4	A1	A2	A3	A4	N1	N2	N3	
14-May	8.60	-	11.00	8.00	5.00	-	3.00	5.12	10.22	7.92	-	9.52	7.66	0.54	-	0.65	0.52	45.8	48.1	57.1	A2 not operating due to equipment/software malfunction. GHD to replace A2 with an alternate unit while it is sent off for repair.
15-May	9.54	-	11.46	6.08	5.00	-	3.00	4.21	7.06	9.00	-	10.38	6.02	0.62	-	0.71	0.41	42.9	43.1	55.2	A2 not operating due to equipment/software malfunction. A2 has been replaced as of May 26, 2020 while being sent for repair.
16-May	10.83	-	12.00	2.41	5.02	-	3.00	2.41	5.21	10.04	-	11.00	2.41	0.69	-	0.75	0.17	43.0	42.4	46.3	A2 not operating due to equipment/software malfunction. A2 has been replaced as of May 26, 2020 while being sent for repair.
17-May	13.54	-	12.44	1.83	5.60	-	3.00	1.83	4.60	12.50	-	10.96	1.83	0.86	-	0.75	0.13	41.1	41.3	48.7	A2 not operating due to equipment/software malfunction. A2 has been replaced as of May 26, 2020 while being sent for repair.
18-May	15.00	-	12.13	1.60	6.00	-	3.00	1.60	7.13	13.85	-	11.00	1.60	0.95	-	0.75	0.11	42.0	43.9	51.3	A2 not operating due to equipment/software malfunction. A2 has been replaced as of May 26, 2020 while being sent for repair.
19-May	14.58	-	12.00	2.00	5.73	-	3.00	2.00	3.34	13.00	-	11.00	2.00	0.89	-	0.75	0.14	40.8	57.7	46.9	A2 not operating due to equipment/software malfunction. A2 has been replaced as of May 26, 2020 while being sent for repair.
20-May	14.00	-	12.00	2.00	5.56	-	3.00	2.00	4.46	13.00	-	11.00	2.00	0.89	-	0.75	0.14	39.9	43.2	47.9	A2 not operating due to equipment/software malfunction. A2 has been replaced as of May 26, 2020 while being sent for repair.
21-May	14.00	-	12.00	1.11	6.00	-	3.00	1.11	1.00	12.65	-	10.13	1.11	0.87	-	0.69	0.08	52.6	52.1	56.4	A2 not operating due to equipment/software malfunction. A2 has been replaced as of May 26, 2020 while being sent for repair.
22-May	1.77	-	11.29	0.00	0.98	-	3.00	0.00	0.27	1.63	-	10.00	0.00	0.11	-	0.69	0.00	38.3	38.3	42.8	A2 not operating due to equipment/software malfunction. A2 has been replaced as of May 26, 2020 while being sent for repair.
23-May	1.88	-	11.00	-	1.83	-	3.00	-	2.00	1.85	-	10.00	-	0.13	-	0.69	-	37.9	43.7	42.3	A2 & A4 not operating due to equipment/software malfunction. A2 has been replaced as of May 26, 2020 while being sent for repair. A4 issues resolved as of May 26, 2020.
24-May	8.58	-	11.00	-	3.58	-	3.00	-	1.32	7.83	-	10.00	-	0.54	-	0.69	-	44	42.3	46.3	A2 & A4 not operating due to equipment/software malfunction. A2 has been replaced as of May 26, 2020 while being sent for repair. A4 issues resolved as of May 26, 2020.