

17 August 2020

Julie Thomas  
Environmental Superintendent  
Muswellbrook Coal Company Ltd

Dear Julie,

## **Ambient Air Monitoring - Muscle Creek Rd - July 2020 - Revised**

### **1.0 Introduction**

AECOM Australia Pty Ltd (AECOM) was appointed by Muswellbrook Coal Company Ltd (MCC) to provide static real time atmospheric monitoring for Hydrogen Sulfide (H<sub>2</sub>S) and Sulfur Dioxide (SO<sub>2</sub>) at one location on Muscle Creek Road, Muswellbrook.

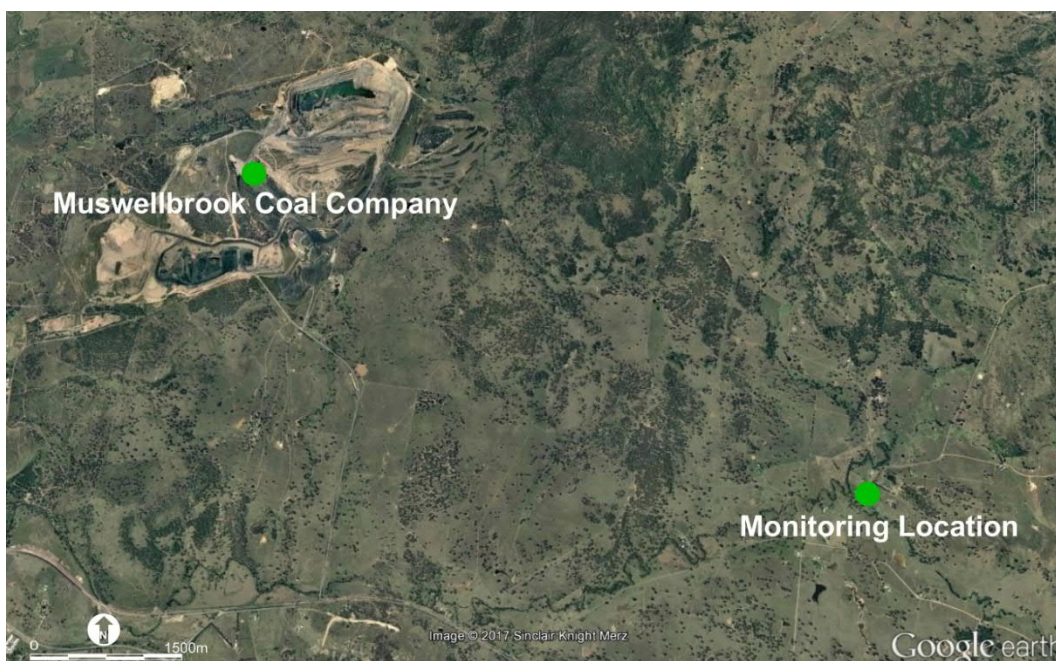
Monitoring is typically conducted using a GrayWolf Advanced Sense II Probe with Hydrogen Sulfide and Sulfur Dioxide sensors capable of reading in the parts per billion range. Data is recorded as 5 minute average concentrations on an Advanced Sense unit with live data then transmitted to an online account at regular intervals where it can be viewed and downloaded for further analysis by MCC and AECOM staff.

While the Advanced Sense II probe is temporarily offsite for repairs monitoring is conducted using an AreaRAE monitor with Hydrogen Sulfide and Sulfur Dioxide sensors capable of reading in the parts per million range. Data is still recorded as 5 minute average concentrations however it is not transmitted to an online account and must be accessed manually.

Meteorology data is obtained from the onsite MCC weather station, located approximately 6km to the northwest of the monitoring location. Wind data will be analysed each month with the aim of identifying any trends or relationships between the wind data and monitoring results. Results are reported on a monthly basis with this report presenting results for the period 1 to 31 July 2020.

### **2.0 Site Location**

The monitoring location on Muscle Creek Rd was chosen due to it being downwind of the mine site during the prevailing north westerly winds. Siting was performed in accordance with AS 3580.1.1 2016.



**Figure 1 Muscle Creek Rd Monitoring Location**

### 3.0 Assessment Criteria

The gaseous ambient air quality criteria in **Table 1** and **Table 2** are reproduced from the MCC Development Consent (DA 205/2002, Condition 28).

**Table 1 H<sub>2</sub>S Assessment Criteria**

Analyte Averaging Period	Criteria	Unit
H <sub>2</sub> S 1 Hour Average	500	ppb
H <sub>2</sub> S 24 Hour Average	100	ppb

**Table 2 SO<sub>2</sub> Assessment Criteria**

Analyte Averaging Period	Criteria	Unit
SO <sub>2</sub> 1 Hour Average	200	ppb
SO <sub>2</sub> 24 Hour Average	80	ppb

### 4.0 Methodology

Monitoring is typically performed by a GrayWolf Advanced Sense II Probe fitted with H<sub>2</sub>S and SO<sub>2</sub> sensors however, while this unit is offsite for repairs an AreaRAE fitted with equivalent sensors is used to perform the monitoring.

The unit is enclosed in a weatherproof case with the sensor at a height of approximately 1.8m above the ground.

The AreaRAE monitor measures gasses in parts per million (ppm) with the following limits of detection (LOD).

- H<sub>2</sub>S: 0.1 ppm; and
- SO<sub>2</sub>: 0.1 ppm.

Readings are logged in parts per million (ppm) and are converted to parts per billion (ppb) for reporting purposes, with the LOD's being 100 ppb for both H<sub>2</sub>S and SO<sub>2</sub>. For the calculation of 1hr and 24hr averages, where the instrument returns a zero reading, half the instrument LOD value is used (50 ppb).

### 5.0 Results

A summary of the H<sub>2</sub>S and SO<sub>2</sub> results for July 2020 is presented in **Table 3**. **Table 4** provides a summary of 24hr (midnight to midnight) averages along with maximum 1hr averages for each day. Data is shown graphically against the relevant criteria in **Figure 2** and **Figure 3** with 1 hour data attached in **Tables 5** and **6**. It should be noted that the plots present 1 hour rolling averages calculated from raw data.

The Advance Sense display unit was sent to Graywolf in Ireland for assessment and repair following the failure of this unit in December 2019. While GrayWolf provided a replacement unit for the interim period there were ongoing issues with the setup through February resulting in numerous interruptions to the data logging.

Although GrayWolf has provided software updates which have been installed, these issues continued into early March. In agreement with Muswellbrook Coal, the GrayWolf setup was replaced with an AreaRAE on 9 March 2020 in an effort to achieve a reliable monitoring solution.

AECOM received the Advanced Sense unit back from repairs during June however, during trial runs conducted off site it was determined that the unit was still suffering from functional errors preventing its use on site. AECOM have been in contact with GrayWolf regarding these issues and have since requested a replacement unit be supplied. GrayWolf deemed that the unit's issues were being caused by the charging cradle and sent out a replacement cradle to rectify this. This arrived in late July whereupon AECOM conducted trial runs of the unit to ensure it would run for extended periods without failing. The unit functioned correctly during these trials before being deemed capable of operating on-site.

On 11 August 2020 a site visit was conducted to download data from the AreaRAE and it was discovered that the unit had become waterlogged by the recent storms and heavy rainfall in the area. The unit was not functional upon arrival and although extensive efforts were made to recover data between 13 July and 11 August 2020, data for this period was ultimately not able to be recovered.

At the request of MCC the GrayWolf Advanced Sense unit was re-installed onsite on 11 August 2020 following its return from repairs.

**Table 3 Gaseous Monitoring Results – July 2020**

Parameter	Units	Hydrogen Sulfide (H <sub>2</sub> S)	Sulfur Dioxide (SO <sub>2</sub> )
Maximum 1 Hour Average	ppb	50*	50*
Maximum 24 Hour Average	ppb	50*	50*
Number of Exceedances – 1 Hour	-	0	0
Number of Exceedances – 24 Hour	-	0	0

\* All raw data returned less than the instrument limit of detection. Half of the LOD value reported. Refer **Section 4.0**.

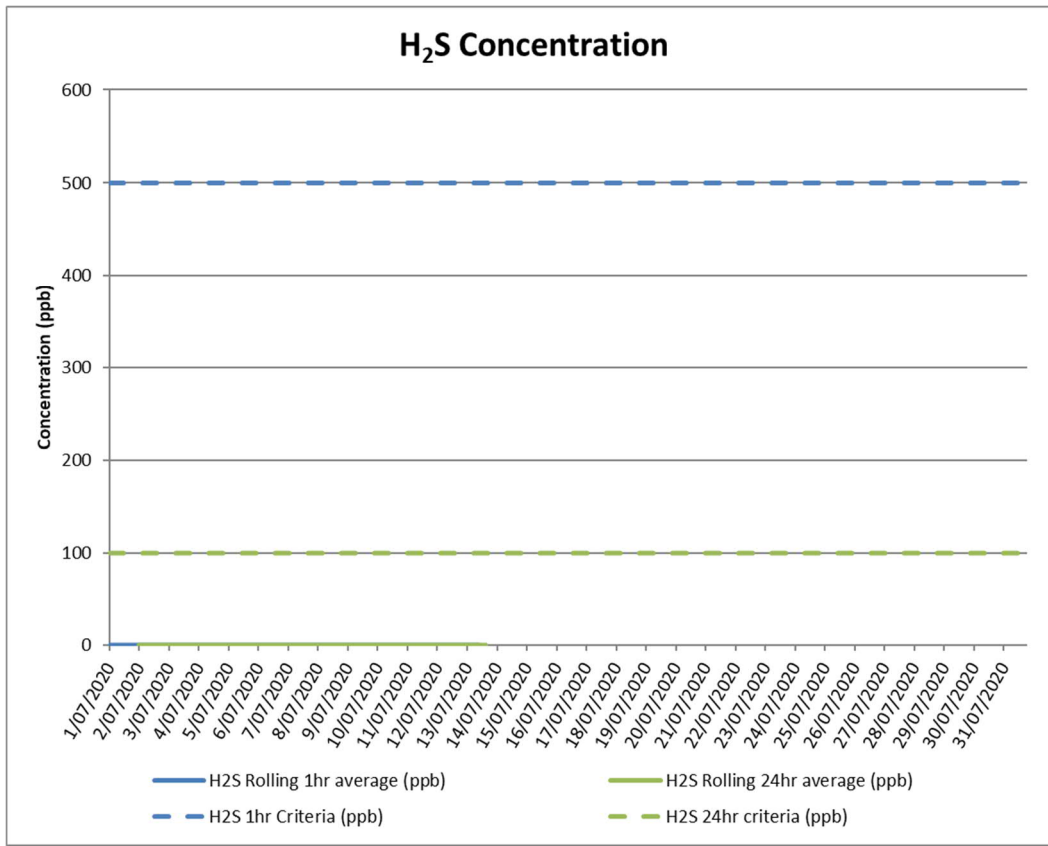
There were no exceedances of the applicable criteria for either H<sub>2</sub>S or SO<sub>2</sub> for the July 2020 monitoring period. The data capture rates for July 2020 were 40.18% for both H<sub>2</sub>S and SO<sub>2</sub>.

**Table 4 24hr Averages (Midnight to Midnight) and Maximum 1hr Averages – July 2020**

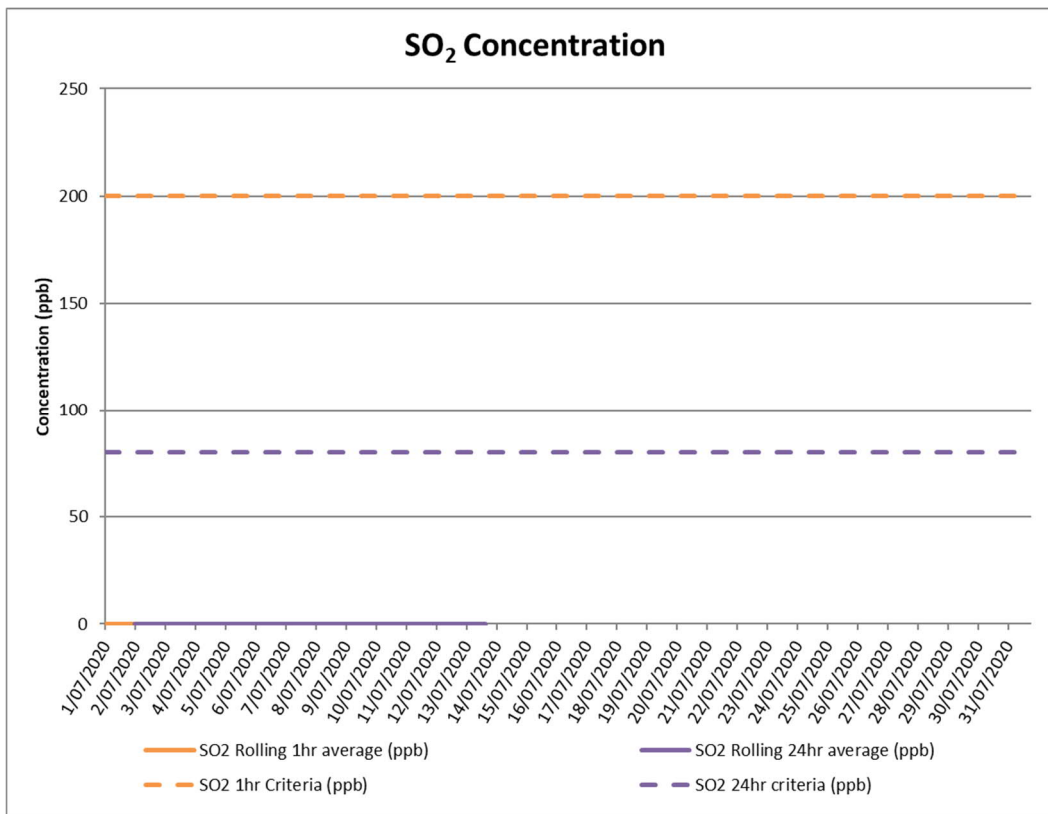
Date	Hydrogen Sulfide (H <sub>2</sub> S) (ppb)		Sulfur Dioxide (SO <sub>2</sub> ) (ppb)	
	24hr Average	Maximum 1hr Average	24hr Average	Maximum 1hr Average
1/07/2020	50*	50*	50*	50*
2/07/2020	50*	50*	50*	50*
3/07/2020	50*	50*	50*	50*
4/07/2020	50*	50*	50*	50*
5/07/2020	50*	50*	50*	50*
6/07/2020	50*	50*	50*	50*
7/07/2020	50*	50*	50*	50*
8/07/2020	50*	50*	50*	50*
9/07/2020	50*	50*	50*	50*
10/07/2020	50*	50*	50*	50*
11/07/2020	50*	50*	50*	50*
12/07/2020	50*	50*	50*	50*
13/07/2020	Insufficient Data	Insufficient Data	Insufficient Data	Insufficient Data
14/07/2020	No Data	No Data	No Data	No Data
15/07/2020	No Data	No Data	No Data	No Data
16/07/2020	No Data	No Data	No Data	No Data
17/07/2020	No Data	No Data	No Data	No Data
18/07/2020	No Data	No Data	No Data	No Data
19/07/2020	No Data	No Data	No Data	No Data
20/07/2020	No Data	No Data	No Data	No Data
21/07/2020	No Data	No Data	No Data	No Data
22/07/2020	No Data	No Data	No Data	No Data
23/07/2020	No Data	No Data	No Data	No Data
24/07/2020	No Data	No Data	No Data	No Data
25/07/2020	No Data	No Data	No Data	No Data
26/07/2020	No Data	No Data	No Data	No Data
27/07/2020	No Data	No Data	No Data	No Data
28/07/2020	No Data	No Data	No Data	No Data
29/07/2020	No Data	No Data	No Data	No Data
30/07/2020	No Data	No Data	No Data	No Data
31/07/2020	No Data	No Data	No Data	No Data
<b>Criteria</b>	<b>100</b>	<b>500</b>	<b>80</b>	<b>200</b>
<b>Capture Rate</b>	<b>40.18%</b>		<b>40.18%</b>	

\* All raw data returned less than the instrument limit of detection. Half of the LOD value reported. Refer **Section 4.0**.

\*\* Efforts were made to recover data for the period 13 July to 31 July however, efforts were ultimately unsuccessful.



**Figure 2 H<sub>2</sub>S Concentrations – July 2020**



**Figure 3 SO<sub>2</sub> Concentrations – July 2020**

## 5.1 Meteorology

Meteorology data sourced from MCC's onsite meteorology station for July indicated winds were predominately from the North to Northwest quadrant as well as from the Southeast. The average wind speed for the month was 2.25 m/s.

When winds are from the Northwest, the monitoring location is generally down wind of the mine site. A wind rose for this monitoring period can be found attached as **Figure 4**.

## 6.0 Conclusion

AECOM commenced ambient air quality monitoring on Muscle Creek Rd on 26 July 2017. Monitoring results for the period 1 to 31 July 2020 returned no exceedances of either the 1hr or 24hr criteria for H<sub>2</sub>S or SO<sub>2</sub>. Both gases recorded data capture rates of 40.18% for July 2020.

Wind data obtained from the MCC meteorology station indicates that winds for this period were predominantly from the North and Northwest as well as from the Southeast placing the monitoring location downwind of the mine for a portion of the month during July 2020.

Yours faithfully



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encl: Hourly Monitoring Data, Wind Rose

AECOM in Australia and New Zealand is certified to ISO9001, ISO14001 AS/NZS4801 and OHSAS18001.

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Table 5 H<sub>2</sub>S 1hr Data (ppb) – July 2020

Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average
1/07/2020	0	50	2/07/2020	0	50	3/07/2020	0	50	4/07/2020	0	50	5/07/2020	0	50
1/07/2020	1	50	2/07/2020	1	50	3/07/2020	1	50	4/07/2020	1	50	5/07/2020	1	50
1/07/2020	2	50	2/07/2020	2	50	3/07/2020	2	50	4/07/2020	2	50	5/07/2020	2	50
1/07/2020	3	50	2/07/2020	3	50	3/07/2020	3	50	4/07/2020	3	50	5/07/2020	3	50
1/07/2020	4	50	2/07/2020	4	50	3/07/2020	4	50	4/07/2020	4	50	5/07/2020	4	50
1/07/2020	5	50	2/07/2020	5	50	3/07/2020	5	50	4/07/2020	5	50	5/07/2020	5	50
1/07/2020	6	50	2/07/2020	6	50	3/07/2020	6	50	4/07/2020	6	50	5/07/2020	6	50
1/07/2020	7	50	2/07/2020	7	50	3/07/2020	7	50	4/07/2020	7	50	5/07/2020	7	50
1/07/2020	8	50	2/07/2020	8	50	3/07/2020	8	50	4/07/2020	8	50	5/07/2020	8	50
1/07/2020	9	50	2/07/2020	9	50	3/07/2020	9	50	4/07/2020	9	50	5/07/2020	9	50
1/07/2020	10	50	2/07/2020	10	50	3/07/2020	10	50	4/07/2020	10	50	5/07/2020	10	50
1/07/2020	11	50	2/07/2020	11	50	3/07/2020	11	50	4/07/2020	11	50	5/07/2020	11	50
1/07/2020	12	50	2/07/2020	12	50	3/07/2020	12	50	4/07/2020	12	50	5/07/2020	12	50
1/07/2020	13	50	2/07/2020	13	50	3/07/2020	13	50	4/07/2020	13	50	5/07/2020	13	50
1/07/2020	14	50	2/07/2020	14	50	3/07/2020	14	50	4/07/2020	14	50	5/07/2020	14	50
1/07/2020	15	50	2/07/2020	15	50	3/07/2020	15	50	4/07/2020	15	50	5/07/2020	15	50
1/07/2020	16	50	2/07/2020	16	50	3/07/2020	16	50	4/07/2020	16	50	5/07/2020	16	50
1/07/2020	17	50	2/07/2020	17	50	3/07/2020	17	50	4/07/2020	17	50	5/07/2020	17	50
1/07/2020	18	50	2/07/2020	18	50	3/07/2020	18	50	4/07/2020	18	50	5/07/2020	18	50
1/07/2020	19	50	2/07/2020	19	50	3/07/2020	19	50	4/07/2020	19	50	5/07/2020	19	50
1/07/2020	20	50	2/07/2020	20	50	3/07/2020	20	50	4/07/2020	20	50	5/07/2020	20	50
1/07/2020	21	50	2/07/2020	21	50	3/07/2020	21	50	4/07/2020	21	50	5/07/2020	21	50
1/07/2020	22	50	2/07/2020	22	50	3/07/2020	22	50	4/07/2020	22	50	5/07/2020	22	50
1/07/2020	23	50	2/07/2020	23	50	3/07/2020	23	50	4/07/2020	23	50	5/07/2020	23	50
<b>Maximum</b>		<b>50*</b>			<b>50*</b>			<b>50*</b>			<b>50*</b>			<b>50*</b>

Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average
6/07/2020	0	50	7/07/2020	0	50	8/07/2020	0	50	9/07/2020	0	50	10/07/2020	0	50
6/07/2020	1	50	7/07/2020	1	50	8/07/2020	1	50	9/07/2020	1	50	10/07/2020	1	50
6/07/2020	2	50	7/07/2020	2	50	8/07/2020	2	50	9/07/2020	2	50	10/07/2020	2	50
6/07/2020	3	50	7/07/2020	3	50	8/07/2020	3	50	9/07/2020	3	50	10/07/2020	3	50
6/07/2020	4	50	7/07/2020	4	50	8/07/2020	4	50	9/07/2020	4	50	10/07/2020	4	50
6/07/2020	5	50	7/07/2020	5	50	8/07/2020	5	50	9/07/2020	5	50	10/07/2020	5	50
6/07/2020	6	50	7/07/2020	6	50	8/07/2020	6	50	9/07/2020	6	50	10/07/2020	6	50
6/07/2020	7	50	7/07/2020	7	50	8/07/2020	7	50	9/07/2020	7	50	10/07/2020	7	50
6/07/2020	8	50	7/07/2020	8	50	8/07/2020	8	50	9/07/2020	8	50	10/07/2020	8	50
6/07/2020	9	50	7/07/2020	9	50	8/07/2020	9	50	9/07/2020	9	50	10/07/2020	9	50
6/07/2020	10	50	7/07/2020	10	50	8/07/2020	10	50	9/07/2020	10	50	10/07/2020	10	50
6/07/2020	11	50	7/07/2020	11	50	8/07/2020	11	50	9/07/2020	11	50	10/07/2020	11	50
6/07/2020	12	50	7/07/2020	12	50	8/07/2020	12	50	9/07/2020	12	50	10/07/2020	12	50
6/07/2020	13	50	7/07/2020	13	50	8/07/2020	13	50	9/07/2020	13	50	10/07/2020	13	50
6/07/2020	14	50	7/07/2020	14	50	8/07/2020	14	50	9/07/2020	14	50	10/07/2020	14	50
6/07/2020	15	50	7/07/2020	15	50	8/07/2020	15	50	9/07/2020	15	50	10/07/2020	15	50
6/07/2020	16	50	7/07/2020	16	50	8/07/2020	16	50	9/07/2020	16	50	10/07/2020	16	50
6/07/2020	17	50	7/07/2020	17	50	8/07/2020	17	50	9/07/2020	17	50	10/07/2020	17	50
6/07/2020	18	50	7/07/2020	18	50	8/07/2020	18	50	9/07/2020	18	50	10/07/2020	18	50
6/07/2020	19	50	7/07/2020	19	50	8/07/2020	19	50	9/07/2020	19	50	10/07/2020	19	50
6/07/2020	20	50	7/07/2020	20	50	8/07/2020	20	50	9/07/2020	20	50	10/07/2020	20	50
6/07/2020	21	50	7/07/2020	21	50	8/07/2020	21	50	9/07/2020	21	50	10/07/2020	21	50
6/07/2020	22	50	7/07/2020	22	50	8/07/2020	22	50	9/07/2020	22	50	10/07/2020	22	50
6/07/2020	23	50	7/07/2020	23	50	8/07/2020	23	50	9/07/2020	23	50	10/07/2020	23	50
<b>Maximum</b>		<b>50*</b>			<b>50*</b>			<b>50*</b>			<b>50*</b>			<b>50*</b>



Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average
11/07/2020	0	50	12/07/2020	0	50	13/07/2020	0	50	14/07/2020	0	No Data	15/07/2020	0	No Data
11/07/2020	1	50	12/07/2020	1	50	13/07/2020	1	50	14/07/2020	1	No Data	15/07/2020	1	No Data
11/07/2020	2	50	12/07/2020	2	50	13/07/2020	2	50	14/07/2020	2	No Data	15/07/2020	2	No Data
11/07/2020	3	50	12/07/2020	3	50	13/07/2020	3	50	14/07/2020	3	No Data	15/07/2020	3	No Data
11/07/2020	4	50	12/07/2020	4	50	13/07/2020	4	50	14/07/2020	4	No Data	15/07/2020	4	No Data
11/07/2020	5	50	12/07/2020	5	50	13/07/2020	5	50	14/07/2020	5	No Data	15/07/2020	5	No Data
11/07/2020	6	50	12/07/2020	6	50	13/07/2020	6	50	14/07/2020	6	No Data	15/07/2020	6	No Data
11/07/2020	7	50	12/07/2020	7	50	13/07/2020	7	50	14/07/2020	7	No Data	15/07/2020	7	No Data
11/07/2020	8	50	12/07/2020	8	50	13/07/2020	8	50	14/07/2020	8	No Data	15/07/2020	8	No Data
11/07/2020	9	50	12/07/2020	9	50	13/07/2020	9	50	14/07/2020	9	No Data	15/07/2020	9	No Data
11/07/2020	10	50	12/07/2020	10	50	13/07/2020	10	50	14/07/2020	10	No Data	15/07/2020	10	No Data
11/07/2020	11	50	12/07/2020	11	50	13/07/2020	11	No Data	14/07/2020	11	No Data	15/07/2020	11	No Data
11/07/2020	12	50	12/07/2020	12	50	13/07/2020	12	No Data	14/07/2020	12	No Data	15/07/2020	12	No Data
11/07/2020	13	50	12/07/2020	13	50	13/07/2020	13	No Data	14/07/2020	13	No Data	15/07/2020	13	No Data
11/07/2020	14	50	12/07/2020	14	50	13/07/2020	14	No Data	14/07/2020	14	No Data	15/07/2020	14	No Data
11/07/2020	15	50	12/07/2020	15	50	13/07/2020	15	No Data	14/07/2020	15	No Data	15/07/2020	15	No Data
11/07/2020	16	50	12/07/2020	16	50	13/07/2020	16	No Data	14/07/2020	16	No Data	15/07/2020	16	No Data
11/07/2020	17	50	12/07/2020	17	50	13/07/2020	17	No Data	14/07/2020	17	No Data	15/07/2020	17	No Data
11/07/2020	18	50	12/07/2020	18	50	13/07/2020	18	No Data	14/07/2020	18	No Data	15/07/2020	18	No Data
11/07/2020	19	50	12/07/2020	19	50	13/07/2020	19	No Data	14/07/2020	19	No Data	15/07/2020	19	No Data
11/07/2020	20	50	12/07/2020	20	50	13/07/2020	20	No Data	14/07/2020	20	No Data	15/07/2020	20	No Data
11/07/2020	21	50	12/07/2020	21	50	13/07/2020	21	No Data	14/07/2020	21	No Data	15/07/2020	21	No Data
11/07/2020	22	50	12/07/2020	22	50	13/07/2020	22	No Data	14/07/2020	22	No Data	15/07/2020	22	No Data
11/07/2020	23	50	12/07/2020	23	50	13/07/2020	23	No Data	14/07/2020	23	No Data	15/07/2020	23	No Data
<b>Maximum</b>		<b>50*</b>			<b>50*</b>			<b>50*</b>			<b>No Data</b>			<b>No Data</b>

Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average
16/07/2020	0	No Data	17/07/2020	0	No Data	18/07/2020	0	No Data	19/07/2020	0	No Data	20/07/2020	0	No Data
16/07/2020	1	No Data	17/07/2020	1	No Data	18/07/2020	1	No Data	19/07/2020	1	No Data	20/07/2020	1	No Data
16/07/2020	2	No Data	17/07/2020	2	No Data	18/07/2020	2	No Data	19/07/2020	2	No Data	20/07/2020	2	No Data
16/07/2020	3	No Data	17/07/2020	3	No Data	18/07/2020	3	No Data	19/07/2020	3	No Data	20/07/2020	3	No Data
16/07/2020	4	No Data	17/07/2020	4	No Data	18/07/2020	4	No Data	19/07/2020	4	No Data	20/07/2020	4	No Data
16/07/2020	5	No Data	17/07/2020	5	No Data	18/07/2020	5	No Data	19/07/2020	5	No Data	20/07/2020	5	No Data
16/07/2020	6	No Data	17/07/2020	6	No Data	18/07/2020	6	No Data	19/07/2020	6	No Data	20/07/2020	6	No Data
16/07/2020	7	No Data	17/07/2020	7	No Data	18/07/2020	7	No Data	19/07/2020	7	No Data	20/07/2020	7	No Data
16/07/2020	8	No Data	17/07/2020	8	No Data	18/07/2020	8	No Data	19/07/2020	8	No Data	20/07/2020	8	No Data
16/07/2020	9	No Data	17/07/2020	9	No Data	18/07/2020	9	No Data	19/07/2020	9	No Data	20/07/2020	9	No Data
16/07/2020	10	No Data	17/07/2020	10	No Data	18/07/2020	10	No Data	19/07/2020	10	No Data	20/07/2020	10	No Data
16/07/2020	11	No Data	17/07/2020	11	No Data	18/07/2020	11	No Data	19/07/2020	11	No Data	20/07/2020	11	No Data
16/07/2020	12	No Data	17/07/2020	12	No Data	18/07/2020	12	No Data	19/07/2020	12	No Data	20/07/2020	12	No Data
16/07/2020	13	No Data	17/07/2020	13	No Data	18/07/2020	13	No Data	19/07/2020	13	No Data	20/07/2020	13	No Data
16/07/2020	14	No Data	17/07/2020	14	No Data	18/07/2020	14	No Data	19/07/2020	14	No Data	20/07/2020	14	No Data
16/07/2020	15	No Data	17/07/2020	15	No Data	18/07/2020	15	No Data	19/07/2020	15	No Data	20/07/2020	15	No Data
16/07/2020	16	No Data	17/07/2020	16	No Data	18/07/2020	16	No Data	19/07/2020	16	No Data	20/07/2020	16	No Data
16/07/2020	17	No Data	17/07/2020	17	No Data	18/07/2020	17	No Data	19/07/2020	17	No Data	20/07/2020	17	No Data
16/07/2020	18	No Data	17/07/2020	18	No Data	18/07/2020	18	No Data	19/07/2020	18	No Data	20/07/2020	18	No Data
16/07/2020	19	No Data	17/07/2020	19	No Data	18/07/2020	19	No Data	19/07/2020	19	No Data	20/07/2020	19	No Data
16/07/2020	20	No Data	17/07/2020	20	No Data	18/07/2020	20	No Data	19/07/2020	20	No Data	20/07/2020	20	No Data
16/07/2020	21	No Data	17/07/2020	21	No Data	18/07/2020	21	No Data	19/07/2020	21	No Data	20/07/2020	21	No Data
16/07/2020	22	No Data	17/07/2020	22	No Data	18/07/2020	22	No Data	19/07/2020	22	No Data	20/07/2020	22	No Data
16/07/2020	23	No Data	17/07/2020	23	No Data	18/07/2020	23	No Data	19/07/2020	23	No Data	20/07/2020	23	No Data
<b>Maximum</b>		<b>No Data</b>			<b>No Data</b>			<b>No Data</b>			<b>No Data</b>			<b>No Data</b>

Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average
21/07/2020	0	No Data	22/07/2020	0	No Data	23/07/2020	0	No Data	24/07/2020	0	No Data	25/07/2020	0	No Data
21/07/2020	1	No Data	22/07/2020	1	No Data	23/07/2020	1	No Data	24/07/2020	1	No Data	25/07/2020	1	No Data
21/07/2020	2	No Data	22/07/2020	2	No Data	23/07/2020	2	No Data	24/07/2020	2	No Data	25/07/2020	2	No Data
21/07/2020	3	No Data	22/07/2020	3	No Data	23/07/2020	3	No Data	24/07/2020	3	No Data	25/07/2020	3	No Data
21/07/2020	4	No Data	22/07/2020	4	No Data	23/07/2020	4	No Data	24/07/2020	4	No Data	25/07/2020	4	No Data
21/07/2020	5	No Data	22/07/2020	5	No Data	23/07/2020	5	No Data	24/07/2020	5	No Data	25/07/2020	5	No Data
21/07/2020	6	No Data	22/07/2020	6	No Data	23/07/2020	6	No Data	24/07/2020	6	No Data	25/07/2020	6	No Data
21/07/2020	7	No Data	22/07/2020	7	No Data	23/07/2020	7	No Data	24/07/2020	7	No Data	25/07/2020	7	No Data
21/07/2020	8	No Data	22/07/2020	8	No Data	23/07/2020	8	No Data	24/07/2020	8	No Data	25/07/2020	8	No Data
21/07/2020	9	No Data	22/07/2020	9	No Data	23/07/2020	9	No Data	24/07/2020	9	No Data	25/07/2020	9	No Data
21/07/2020	10	No Data	22/07/2020	10	No Data	23/07/2020	10	No Data	24/07/2020	10	No Data	25/07/2020	10	No Data
21/07/2020	11	No Data	22/07/2020	11	No Data	23/07/2020	11	No Data	24/07/2020	11	No Data	25/07/2020	11	No Data
21/07/2020	12	No Data	22/07/2020	12	No Data	23/07/2020	12	No Data	24/07/2020	12	No Data	25/07/2020	12	No Data
21/07/2020	13	No Data	22/07/2020	13	No Data	23/07/2020	13	No Data	24/07/2020	13	No Data	25/07/2020	13	No Data
21/07/2020	14	No Data	22/07/2020	14	No Data	23/07/2020	14	No Data	24/07/2020	14	No Data	25/07/2020	14	No Data
21/07/2020	15	No Data	22/07/2020	15	No Data	23/07/2020	15	No Data	24/07/2020	15	No Data	25/07/2020	15	No Data
21/07/2020	16	No Data	22/07/2020	16	No Data	23/07/2020	16	No Data	24/07/2020	16	No Data	25/07/2020	16	No Data
21/07/2020	17	No Data	22/07/2020	17	No Data	23/07/2020	17	No Data	24/07/2020	17	No Data	25/07/2020	17	No Data
21/07/2020	18	No Data	22/07/2020	18	No Data	23/07/2020	18	No Data	24/07/2020	18	No Data	25/07/2020	18	No Data
21/07/2020	19	No Data	22/07/2020	19	No Data	23/07/2020	19	No Data	24/07/2020	19	No Data	25/07/2020	19	No Data
21/07/2020	20	No Data	22/07/2020	20	No Data	23/07/2020	20	No Data	24/07/2020	20	No Data	25/07/2020	20	No Data
21/07/2020	21	No Data	22/07/2020	21	No Data	23/07/2020	21	No Data	24/07/2020	21	No Data	25/07/2020	21	No Data
21/07/2020	22	No Data	22/07/2020	22	No Data	23/07/2020	22	No Data	24/07/2020	22	No Data	25/07/2020	22	No Data
21/07/2020	23	No Data	22/07/2020	23	No Data	23/07/2020	23	No Data	24/07/2020	23	No Data	25/07/2020	23	No Data
<b>Maximum</b>		<b>No Data</b>			<b>No Data</b>			<b>No Data</b>			<b>No Data</b>			<b>No Data</b>

Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average
26/07/2020	0	No Data	27/07/2020	0	No Data	28/07/2020	0	No Data	29/07/2020	0	No Data	30/07/2020	0	No Data
26/07/2020	1	No Data	27/07/2020	1	No Data	28/07/2020	1	No Data	29/07/2020	1	No Data	30/07/2020	1	No Data
26/07/2020	2	No Data	27/07/2020	2	No Data	28/07/2020	2	No Data	29/07/2020	2	No Data	30/07/2020	2	No Data
26/07/2020	3	No Data	27/07/2020	3	No Data	28/07/2020	3	No Data	29/07/2020	3	No Data	30/07/2020	3	No Data
26/07/2020	4	No Data	27/07/2020	4	No Data	28/07/2020	4	No Data	29/07/2020	4	No Data	30/07/2020	4	No Data
26/07/2020	5	No Data	27/07/2020	5	No Data	28/07/2020	5	No Data	29/07/2020	5	No Data	30/07/2020	5	No Data
26/07/2020	6	No Data	27/07/2020	6	No Data	28/07/2020	6	No Data	29/07/2020	6	No Data	30/07/2020	6	No Data
26/07/2020	7	No Data	27/07/2020	7	No Data	28/07/2020	7	No Data	29/07/2020	7	No Data	30/07/2020	7	No Data
26/07/2020	8	No Data	27/07/2020	8	No Data	28/07/2020	8	No Data	29/07/2020	8	No Data	30/07/2020	8	No Data
26/07/2020	9	No Data	27/07/2020	9	No Data	28/07/2020	9	No Data	29/07/2020	9	No Data	30/07/2020	9	No Data
26/07/2020	10	No Data	27/07/2020	10	No Data	28/07/2020	10	No Data	29/07/2020	10	No Data	30/07/2020	10	No Data
26/07/2020	11	No Data	27/07/2020	11	No Data	28/07/2020	11	No Data	29/07/2020	11	No Data	30/07/2020	11	No Data
26/07/2020	12	No Data	27/07/2020	12	No Data	28/07/2020	12	No Data	29/07/2020	12	No Data	30/07/2020	12	No Data
26/07/2020	13	No Data	27/07/2020	13	No Data	28/07/2020	13	No Data	29/07/2020	13	No Data	30/07/2020	13	No Data
26/07/2020	14	No Data	27/07/2020	14	No Data	28/07/2020	14	No Data	29/07/2020	14	No Data	30/07/2020	14	No Data
26/07/2020	15	No Data	27/07/2020	15	No Data	28/07/2020	15	No Data	29/07/2020	15	No Data	30/07/2020	15	No Data
26/07/2020	16	No Data	27/07/2020	16	No Data	28/07/2020	16	No Data	29/07/2020	16	No Data	30/07/2020	16	No Data
26/07/2020	17	No Data	27/07/2020	17	No Data	28/07/2020	17	No Data	29/07/2020	17	No Data	30/07/2020	17	No Data
26/07/2020	18	No Data	27/07/2020	18	No Data	28/07/2020	18	No Data	29/07/2020	18	No Data	30/07/2020	18	No Data
26/07/2020	19	No Data	27/07/2020	19	No Data	28/07/2020	19	No Data	29/07/2020	19	No Data	30/07/2020	19	No Data
26/07/2020	20	No Data	27/07/2020	20	No Data	28/07/2020	20	No Data	29/07/2020	20	No Data	30/07/2020	20	No Data
26/07/2020	21	No Data	27/07/2020	21	No Data	28/07/2020	21	No Data	29/07/2020	21	No Data	30/07/2020	21	No Data
26/07/2020	22	No Data	27/07/2020	22	No Data	28/07/2020	22	No Data	29/07/2020	22	No Data	30/07/2020	22	No Data
26/07/2020	23	No Data	27/07/2020	23	No Data	28/07/2020	23	No Data	29/07/2020	23	No Data	30/07/2020	23	No Data
<b>Maximum</b>		<b>No Data</b>			<b>No Data</b>			<b>No Data</b>			<b>No Data</b>			<b>No Data</b>

Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average	Date	Hour	H <sub>2</sub> S 1hr Average
31/07/2020	0	No Data												
31/07/2020	1	No Data												
31/07/2020	2	No Data												
31/07/2020	3	No Data												
31/07/2020	4	No Data												
31/07/2020	5	No Data												
31/07/2020	6	No Data												
31/07/2020	7	No Data												
31/07/2020	8	No Data												
31/07/2020	9	No Data												
31/07/2020	10	No Data												
31/07/2020	11	No Data												
31/07/2020	12	No Data												
31/07/2020	13	No Data												
31/07/2020	14	No Data												
31/07/2020	15	No Data												
31/07/2020	16	No Data												
31/07/2020	17	No Data												
31/07/2020	18	No Data												
31/07/2020	19	No Data												
31/07/2020	20	No Data												
31/07/2020	21	No Data												
31/07/2020	22	No Data												
31/07/2020	23	No Data												
<b>Maximum</b>		<b>No Data</b>												

**Table 6 SO<sub>2</sub> 1hr Data (ppb) – July 2020**

Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average
1/07/2020	0	50	2/07/2020	0	50	3/07/2020	0	50	4/07/2020	0	50	5/07/2020	0	50
1/07/2020	1	50	2/07/2020	1	50	3/07/2020	1	50	4/07/2020	1	50	5/07/2020	1	50
1/07/2020	2	50	2/07/2020	2	50	3/07/2020	2	50	4/07/2020	2	50	5/07/2020	2	50
1/07/2020	3	50	2/07/2020	3	50	3/07/2020	3	50	4/07/2020	3	50	5/07/2020	3	50
1/07/2020	4	50	2/07/2020	4	50	3/07/2020	4	50	4/07/2020	4	50	5/07/2020	4	50
1/07/2020	5	50	2/07/2020	5	50	3/07/2020	5	50	4/07/2020	5	50	5/07/2020	5	50
1/07/2020	6	50	2/07/2020	6	50	3/07/2020	6	50	4/07/2020	6	50	5/07/2020	6	50
1/07/2020	7	50	2/07/2020	7	50	3/07/2020	7	50	4/07/2020	7	50	5/07/2020	7	50
1/07/2020	8	50	2/07/2020	8	50	3/07/2020	8	50	4/07/2020	8	50	5/07/2020	8	50
1/07/2020	9	50	2/07/2020	9	50	3/07/2020	9	50	4/07/2020	9	50	5/07/2020	9	50
1/07/2020	10	50	2/07/2020	10	50	3/07/2020	10	50	4/07/2020	10	50	5/07/2020	10	50
1/07/2020	11	50	2/07/2020	11	50	3/07/2020	11	50	4/07/2020	11	50	5/07/2020	11	50
1/07/2020	12	50	2/07/2020	12	50	3/07/2020	12	50	4/07/2020	12	50	5/07/2020	12	50
1/07/2020	13	50	2/07/2020	13	50	3/07/2020	13	50	4/07/2020	13	50	5/07/2020	13	50
1/07/2020	14	50	2/07/2020	14	50	3/07/2020	14	50	4/07/2020	14	50	5/07/2020	14	50
1/07/2020	15	50	2/07/2020	15	50	3/07/2020	15	50	4/07/2020	15	50	5/07/2020	15	50
1/07/2020	16	50	2/07/2020	16	50	3/07/2020	16	50	4/07/2020	16	50	5/07/2020	16	50
1/07/2020	17	50	2/07/2020	17	50	3/07/2020	17	50	4/07/2020	17	50	5/07/2020	17	50
1/07/2020	18	50	2/07/2020	18	50	3/07/2020	18	50	4/07/2020	18	50	5/07/2020	18	50
1/07/2020	19	50	2/07/2020	19	50	3/07/2020	19	50	4/07/2020	19	50	5/07/2020	19	50
1/07/2020	20	50	2/07/2020	20	50	3/07/2020	20	50	4/07/2020	20	50	5/07/2020	20	50
1/07/2020	21	50	2/07/2020	21	50	3/07/2020	21	50	4/07/2020	21	50	5/07/2020	21	50
1/07/2020	22	50	2/07/2020	22	50	3/07/2020	22	50	4/07/2020	22	50	5/07/2020	22	50
1/07/2020	23	50	2/07/2020	23	50	3/07/2020	23	50	4/07/2020	23	50	5/07/2020	23	50
<b>Maximum</b>		<b>50*</b>			<b>50*</b>			<b>50*</b>			<b>50*</b>			<b>50*</b>

Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average
6/07/2020	0	50	7/07/2020	0	50	8/07/2020	0	50	9/07/2020	0	50	10/07/2020	0	50
6/07/2020	1	50	7/07/2020	1	50	8/07/2020	1	50	9/07/2020	1	50	10/07/2020	1	50
6/07/2020	2	50	7/07/2020	2	50	8/07/2020	2	50	9/07/2020	2	50	10/07/2020	2	50
6/07/2020	3	50	7/07/2020	3	50	8/07/2020	3	50	9/07/2020	3	50	10/07/2020	3	50
6/07/2020	4	50	7/07/2020	4	50	8/07/2020	4	50	9/07/2020	4	50	10/07/2020	4	50
6/07/2020	5	50	7/07/2020	5	50	8/07/2020	5	50	9/07/2020	5	50	10/07/2020	5	50
6/07/2020	6	50	7/07/2020	6	50	8/07/2020	6	50	9/07/2020	6	50	10/07/2020	6	50
6/07/2020	7	50	7/07/2020	7	50	8/07/2020	7	50	9/07/2020	7	50	10/07/2020	7	50
6/07/2020	8	50	7/07/2020	8	50	8/07/2020	8	50	9/07/2020	8	50	10/07/2020	8	50
6/07/2020	9	50	7/07/2020	9	50	8/07/2020	9	50	9/07/2020	9	50	10/07/2020	9	50
6/07/2020	10	50	7/07/2020	10	50	8/07/2020	10	50	9/07/2020	10	50	10/07/2020	10	50
6/07/2020	11	50	7/07/2020	11	50	8/07/2020	11	50	9/07/2020	11	50	10/07/2020	11	50
6/07/2020	12	50	7/07/2020	12	50	8/07/2020	12	50	9/07/2020	12	50	10/07/2020	12	50
6/07/2020	13	50	7/07/2020	13	50	8/07/2020	13	50	9/07/2020	13	50	10/07/2020	13	50
6/07/2020	14	50	7/07/2020	14	50	8/07/2020	14	50	9/07/2020	14	50	10/07/2020	14	50
6/07/2020	15	50	7/07/2020	15	50	8/07/2020	15	50	9/07/2020	15	50	10/07/2020	15	50
6/07/2020	16	50	7/07/2020	16	50	8/07/2020	16	50	9/07/2020	16	50	10/07/2020	16	50
6/07/2020	17	50	7/07/2020	17	50	8/07/2020	17	50	9/07/2020	17	50	10/07/2020	17	50
6/07/2020	18	50	7/07/2020	18	50	8/07/2020	18	50	9/07/2020	18	50	10/07/2020	18	50
6/07/2020	19	50	7/07/2020	19	50	8/07/2020	19	50	9/07/2020	19	50	10/07/2020	19	50
6/07/2020	20	50	7/07/2020	20	50	8/07/2020	20	50	9/07/2020	20	50	10/07/2020	20	50
6/07/2020	21	50	7/07/2020	21	50	8/07/2020	21	50	9/07/2020	21	50	10/07/2020	21	50
6/07/2020	22	50	7/07/2020	22	50	8/07/2020	22	50	9/07/2020	22	50	10/07/2020	22	50
6/07/2020	23	50	7/07/2020	23	50	8/07/2020	23	50	9/07/2020	23	50	10/07/2020	23	50
<b>Maximum</b>		<b>50*</b>			<b>50*</b>			<b>50*</b>			<b>50*</b>			<b>50*</b>

Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average
11/07/2020	0	50	12/07/2020	0	50	13/07/2020	0	50	14/07/2020	0	No Data	15/07/2020	0	No Data
11/07/2020	1	50	12/07/2020	1	50	13/07/2020	1	50	14/07/2020	1	No Data	15/07/2020	1	No Data
11/07/2020	2	50	12/07/2020	2	50	13/07/2020	2	50	14/07/2020	2	No Data	15/07/2020	2	No Data
11/07/2020	3	50	12/07/2020	3	50	13/07/2020	3	50	14/07/2020	3	No Data	15/07/2020	3	No Data
11/07/2020	4	50	12/07/2020	4	50	13/07/2020	4	50	14/07/2020	4	No Data	15/07/2020	4	No Data
11/07/2020	5	50	12/07/2020	5	50	13/07/2020	5	50	14/07/2020	5	No Data	15/07/2020	5	No Data
11/07/2020	6	50	12/07/2020	6	50	13/07/2020	6	50	14/07/2020	6	No Data	15/07/2020	6	No Data
11/07/2020	7	50	12/07/2020	7	50	13/07/2020	7	50	14/07/2020	7	No Data	15/07/2020	7	No Data
11/07/2020	8	50	12/07/2020	8	50	13/07/2020	8	50	14/07/2020	8	No Data	15/07/2020	8	No Data
11/07/2020	9	50	12/07/2020	9	50	13/07/2020	9	50	14/07/2020	9	No Data	15/07/2020	9	No Data
11/07/2020	10	50	12/07/2020	10	50	13/07/2020	10	50	14/07/2020	10	No Data	15/07/2020	10	No Data
11/07/2020	11	50	12/07/2020	11	50	13/07/2020	11	No Data	14/07/2020	11	No Data	15/07/2020	11	No Data
11/07/2020	12	50	12/07/2020	12	50	13/07/2020	12	No Data	14/07/2020	12	No Data	15/07/2020	12	No Data
11/07/2020	13	50	12/07/2020	13	50	13/07/2020	13	No Data	14/07/2020	13	No Data	15/07/2020	13	No Data
11/07/2020	14	50	12/07/2020	14	50	13/07/2020	14	No Data	14/07/2020	14	No Data	15/07/2020	14	No Data
11/07/2020	15	50	12/07/2020	15	50	13/07/2020	15	No Data	14/07/2020	15	No Data	15/07/2020	15	No Data
11/07/2020	16	50	12/07/2020	16	50	13/07/2020	16	No Data	14/07/2020	16	No Data	15/07/2020	16	No Data
11/07/2020	17	50	12/07/2020	17	50	13/07/2020	17	No Data	14/07/2020	17	No Data	15/07/2020	17	No Data
11/07/2020	18	50	12/07/2020	18	50	13/07/2020	18	No Data	14/07/2020	18	No Data	15/07/2020	18	No Data
11/07/2020	19	50	12/07/2020	19	50	13/07/2020	19	No Data	14/07/2020	19	No Data	15/07/2020	19	No Data
11/07/2020	20	50	12/07/2020	20	50	13/07/2020	20	No Data	14/07/2020	20	No Data	15/07/2020	20	No Data
11/07/2020	21	50	12/07/2020	21	50	13/07/2020	21	No Data	14/07/2020	21	No Data	15/07/2020	21	No Data
11/07/2020	22	50	12/07/2020	22	50	13/07/2020	22	No Data	14/07/2020	22	No Data	15/07/2020	22	No Data
11/07/2020	23	50	12/07/2020	23	50	13/07/2020	23	No Data	14/07/2020	23	No Data	15/07/2020	23	No Data
<b>Maximum</b>		<b>50*</b>			<b>50*</b>			<b>50*</b>			<b>No Data</b>			<b>No Data</b>

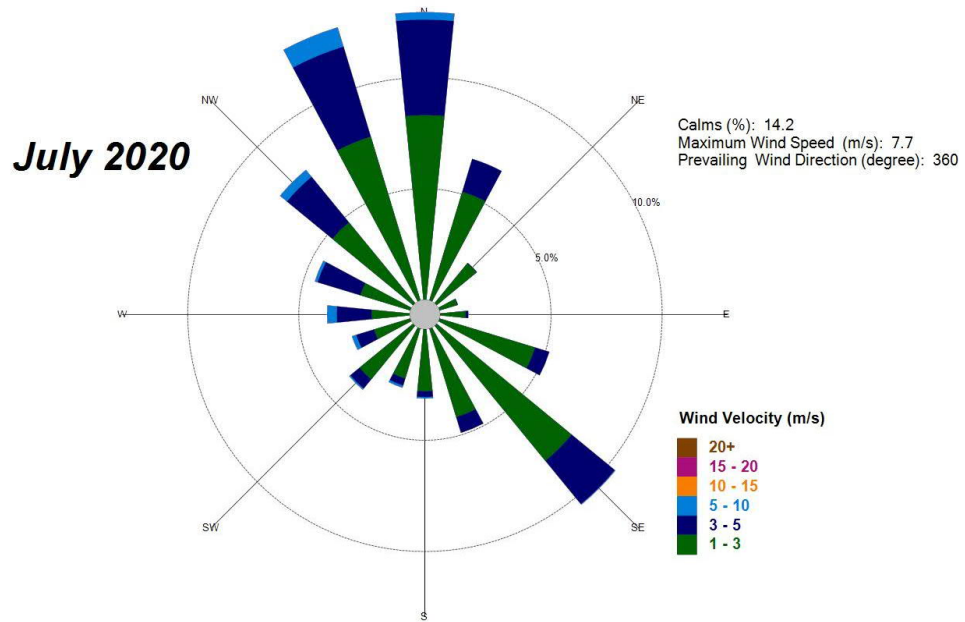


Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average
16/07/2020	0	No Data	17/07/2020	0	No Data	18/07/2020	0	No Data	19/07/2020	0	No Data	20/07/2020	0	No Data
16/07/2020	1	No Data	17/07/2020	1	No Data	18/07/2020	1	No Data	19/07/2020	1	No Data	20/07/2020	1	No Data
16/07/2020	2	No Data	17/07/2020	2	No Data	18/07/2020	2	No Data	19/07/2020	2	No Data	20/07/2020	2	No Data
16/07/2020	3	No Data	17/07/2020	3	No Data	18/07/2020	3	No Data	19/07/2020	3	No Data	20/07/2020	3	No Data
16/07/2020	4	No Data	17/07/2020	4	No Data	18/07/2020	4	No Data	19/07/2020	4	No Data	20/07/2020	4	No Data
16/07/2020	5	No Data	17/07/2020	5	No Data	18/07/2020	5	No Data	19/07/2020	5	No Data	20/07/2020	5	No Data
16/07/2020	6	No Data	17/07/2020	6	No Data	18/07/2020	6	No Data	19/07/2020	6	No Data	20/07/2020	6	No Data
16/07/2020	7	No Data	17/07/2020	7	No Data	18/07/2020	7	No Data	19/07/2020	7	No Data	20/07/2020	7	No Data
16/07/2020	8	No Data	17/07/2020	8	No Data	18/07/2020	8	No Data	19/07/2020	8	No Data	20/07/2020	8	No Data
16/07/2020	9	No Data	17/07/2020	9	No Data	18/07/2020	9	No Data	19/07/2020	9	No Data	20/07/2020	9	No Data
16/07/2020	10	No Data	17/07/2020	10	No Data	18/07/2020	10	No Data	19/07/2020	10	No Data	20/07/2020	10	No Data
16/07/2020	11	No Data	17/07/2020	11	No Data	18/07/2020	11	No Data	19/07/2020	11	No Data	20/07/2020	11	No Data
16/07/2020	12	No Data	17/07/2020	12	No Data	18/07/2020	12	No Data	19/07/2020	12	No Data	20/07/2020	12	No Data
16/07/2020	13	No Data	17/07/2020	13	No Data	18/07/2020	13	No Data	19/07/2020	13	No Data	20/07/2020	13	No Data
16/07/2020	14	No Data	17/07/2020	14	No Data	18/07/2020	14	No Data	19/07/2020	14	No Data	20/07/2020	14	No Data
16/07/2020	15	No Data	17/07/2020	15	No Data	18/07/2020	15	No Data	19/07/2020	15	No Data	20/07/2020	15	No Data
16/07/2020	16	No Data	17/07/2020	16	No Data	18/07/2020	16	No Data	19/07/2020	16	No Data	20/07/2020	16	No Data
16/07/2020	17	No Data	17/07/2020	17	No Data	18/07/2020	17	No Data	19/07/2020	17	No Data	20/07/2020	17	No Data
16/07/2020	18	No Data	17/07/2020	18	No Data	18/07/2020	18	No Data	19/07/2020	18	No Data	20/07/2020	18	No Data
16/07/2020	19	No Data	17/07/2020	19	No Data	18/07/2020	19	No Data	19/07/2020	19	No Data	20/07/2020	19	No Data
16/07/2020	20	No Data	17/07/2020	20	No Data	18/07/2020	20	No Data	19/07/2020	20	No Data	20/07/2020	20	No Data
16/07/2020	21	No Data	17/07/2020	21	No Data	18/07/2020	21	No Data	19/07/2020	21	No Data	20/07/2020	21	No Data
16/07/2020	22	No Data	17/07/2020	22	No Data	18/07/2020	22	No Data	19/07/2020	22	No Data	20/07/2020	22	No Data
16/07/2020	23	No Data	17/07/2020	23	No Data	18/07/2020	23	No Data	19/07/2020	23	No Data	20/07/2020	23	No Data
<b>Maximum</b>		<b>No Data</b>			<b>No Data</b>			<b>No Data</b>			<b>No Data</b>			<b>No Data</b>

Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average
21/07/2020	0	No Data	22/07/2020	0	No Data	23/07/2020	0	No Data	24/07/2020	0	No Data	25/07/2020	0	No Data
21/07/2020	1	No Data	22/07/2020	1	No Data	23/07/2020	1	No Data	24/07/2020	1	No Data	25/07/2020	1	No Data
21/07/2020	2	No Data	22/07/2020	2	No Data	23/07/2020	2	No Data	24/07/2020	2	No Data	25/07/2020	2	No Data
21/07/2020	3	No Data	22/07/2020	3	No Data	23/07/2020	3	No Data	24/07/2020	3	No Data	25/07/2020	3	No Data
21/07/2020	4	No Data	22/07/2020	4	No Data	23/07/2020	4	No Data	24/07/2020	4	No Data	25/07/2020	4	No Data
21/07/2020	5	No Data	22/07/2020	5	No Data	23/07/2020	5	No Data	24/07/2020	5	No Data	25/07/2020	5	No Data
21/07/2020	6	No Data	22/07/2020	6	No Data	23/07/2020	6	No Data	24/07/2020	6	No Data	25/07/2020	6	No Data
21/07/2020	7	No Data	22/07/2020	7	No Data	23/07/2020	7	No Data	24/07/2020	7	No Data	25/07/2020	7	No Data
21/07/2020	8	No Data	22/07/2020	8	No Data	23/07/2020	8	No Data	24/07/2020	8	No Data	25/07/2020	8	No Data
21/07/2020	9	No Data	22/07/2020	9	No Data	23/07/2020	9	No Data	24/07/2020	9	No Data	25/07/2020	9	No Data
21/07/2020	10	No Data	22/07/2020	10	No Data	23/07/2020	10	No Data	24/07/2020	10	No Data	25/07/2020	10	No Data
21/07/2020	11	No Data	22/07/2020	11	No Data	23/07/2020	11	No Data	24/07/2020	11	No Data	25/07/2020	11	No Data
21/07/2020	12	No Data	22/07/2020	12	No Data	23/07/2020	12	No Data	24/07/2020	12	No Data	25/07/2020	12	No Data
21/07/2020	13	No Data	22/07/2020	13	No Data	23/07/2020	13	No Data	24/07/2020	13	No Data	25/07/2020	13	No Data
21/07/2020	14	No Data	22/07/2020	14	No Data	23/07/2020	14	No Data	24/07/2020	14	No Data	25/07/2020	14	No Data
21/07/2020	15	No Data	22/07/2020	15	No Data	23/07/2020	15	No Data	24/07/2020	15	No Data	25/07/2020	15	No Data
21/07/2020	16	No Data	22/07/2020	16	No Data	23/07/2020	16	No Data	24/07/2020	16	No Data	25/07/2020	16	No Data
21/07/2020	17	No Data	22/07/2020	17	No Data	23/07/2020	17	No Data	24/07/2020	17	No Data	25/07/2020	17	No Data
21/07/2020	18	No Data	22/07/2020	18	No Data	23/07/2020	18	No Data	24/07/2020	18	No Data	25/07/2020	18	No Data
21/07/2020	19	No Data	22/07/2020	19	No Data	23/07/2020	19	No Data	24/07/2020	19	No Data	25/07/2020	19	No Data
21/07/2020	20	No Data	22/07/2020	20	No Data	23/07/2020	20	No Data	24/07/2020	20	No Data	25/07/2020	20	No Data
21/07/2020	21	No Data	22/07/2020	21	No Data	23/07/2020	21	No Data	24/07/2020	21	No Data	25/07/2020	21	No Data
21/07/2020	22	No Data	22/07/2020	22	No Data	23/07/2020	22	No Data	24/07/2020	22	No Data	25/07/2020	22	No Data
21/07/2020	23	No Data	22/07/2020	23	No Data	23/07/2020	23	No Data	24/07/2020	23	No Data	25/07/2020	23	No Data
<b>Maximum</b>		<b>No Data</b>			<b>No Data</b>			<b>No Data</b>			<b>No Data</b>			<b>No Data</b>

Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average
26/07/2020	0	No Data	27/07/2020	0	No Data	28/07/2020	0	No Data	29/07/2020	0	No Data	30/07/2020	0	No Data
26/07/2020	1	No Data	27/07/2020	1	No Data	28/07/2020	1	No Data	29/07/2020	1	No Data	30/07/2020	1	No Data
26/07/2020	2	No Data	27/07/2020	2	No Data	28/07/2020	2	No Data	29/07/2020	2	No Data	30/07/2020	2	No Data
26/07/2020	3	No Data	27/07/2020	3	No Data	28/07/2020	3	No Data	29/07/2020	3	No Data	30/07/2020	3	No Data
26/07/2020	4	No Data	27/07/2020	4	No Data	28/07/2020	4	No Data	29/07/2020	4	No Data	30/07/2020	4	No Data
26/07/2020	5	No Data	27/07/2020	5	No Data	28/07/2020	5	No Data	29/07/2020	5	No Data	30/07/2020	5	No Data
26/07/2020	6	No Data	27/07/2020	6	No Data	28/07/2020	6	No Data	29/07/2020	6	No Data	30/07/2020	6	No Data
26/07/2020	7	No Data	27/07/2020	7	No Data	28/07/2020	7	No Data	29/07/2020	7	No Data	30/07/2020	7	No Data
26/07/2020	8	No Data	27/07/2020	8	No Data	28/07/2020	8	No Data	29/07/2020	8	No Data	30/07/2020	8	No Data
26/07/2020	9	No Data	27/07/2020	9	No Data	28/07/2020	9	No Data	29/07/2020	9	No Data	30/07/2020	9	No Data
26/07/2020	10	No Data	27/07/2020	10	No Data	28/07/2020	10	No Data	29/07/2020	10	No Data	30/07/2020	10	No Data
26/07/2020	11	No Data	27/07/2020	11	No Data	28/07/2020	11	No Data	29/07/2020	11	No Data	30/07/2020	11	No Data
26/07/2020	12	No Data	27/07/2020	12	No Data	28/07/2020	12	No Data	29/07/2020	12	No Data	30/07/2020	12	No Data
26/07/2020	13	No Data	27/07/2020	13	No Data	28/07/2020	13	No Data	29/07/2020	13	No Data	30/07/2020	13	No Data
26/07/2020	14	No Data	27/07/2020	14	No Data	28/07/2020	14	No Data	29/07/2020	14	No Data	30/07/2020	14	No Data
26/07/2020	15	No Data	27/07/2020	15	No Data	28/07/2020	15	No Data	29/07/2020	15	No Data	30/07/2020	15	No Data
26/07/2020	16	No Data	27/07/2020	16	No Data	28/07/2020	16	No Data	29/07/2020	16	No Data	30/07/2020	16	No Data
26/07/2020	17	No Data	27/07/2020	17	No Data	28/07/2020	17	No Data	29/07/2020	17	No Data	30/07/2020	17	No Data
26/07/2020	18	No Data	27/07/2020	18	No Data	28/07/2020	18	No Data	29/07/2020	18	No Data	30/07/2020	18	No Data
26/07/2020	19	No Data	27/07/2020	19	No Data	28/07/2020	19	No Data	29/07/2020	19	No Data	30/07/2020	19	No Data
26/07/2020	20	No Data	27/07/2020	20	No Data	28/07/2020	20	No Data	29/07/2020	20	No Data	30/07/2020	20	No Data
26/07/2020	21	No Data	27/07/2020	21	No Data	28/07/2020	21	No Data	29/07/2020	21	No Data	30/07/2020	21	No Data
26/07/2020	22	No Data	27/07/2020	22	No Data	28/07/2020	22	No Data	29/07/2020	22	No Data	30/07/2020	22	No Data
26/07/2020	23	No Data	27/07/2020	23	No Data	28/07/2020	23	No Data	29/07/2020	23	No Data	30/07/2020	23	No Data
<b>Maximum</b>		<b>No Data</b>			<b>No Data</b>			<b>No Data</b>			<b>No Data</b>			<b>No Data</b>

Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average	Date	Hour	SO <sub>2</sub> 1hr Average
31/07/2020	0	No Data												
31/07/2020	1	No Data												
31/07/2020	2	No Data												
31/07/2020	3	No Data												
31/07/2020	4	No Data												
31/07/2020	5	No Data												
31/07/2020	6	No Data												
31/07/2020	7	No Data												
31/07/2020	8	No Data												
31/07/2020	9	No Data												
31/07/2020	10	No Data												
31/07/2020	11	No Data												
31/07/2020	12	No Data												
31/07/2020	13	No Data												
31/07/2020	14	No Data												
31/07/2020	15	No Data												
31/07/2020	16	No Data												
31/07/2020	17	No Data												
31/07/2020	18	No Data												
31/07/2020	19	No Data												
31/07/2020	20	No Data												
31/07/2020	21	No Data												
31/07/2020	22	No Data												
31/07/2020	23	No Data												
<b>Maximum</b>		<b>No Data</b>												



**Figure 4** MCC July 2020 Meteorology Data