



Air Monitoring Report

Dowe's Quarry

October 2022

Specific Project Information

Quarry Name	Dowe's Quarry
Quarry Address	Mount Lindesay Road Tenterfield
Date	October 2022
SEE Job No	DMC-03
SEE File Location	Sharepoint
SEE Contact Person	Morgan Hamilton

Document Approval

Position	Name
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This document is a controlled document prepared in accordance with AS /NZS ISO 9001:2008 Quality Management Systems Requirements and is regularly reviewed and updated. Audits confirming the effective implementation of the procedures / activities described herein provide verifiable evidence that SEE Civil conforms to specified requirements

Contents

1	Introduction	4
1.1	Background	4
2	Method	5
2.1	Air Monitoring Objectives	5
2.2	Air Monitoring Locations	6
2.3	Air Monitoring Dates	6
2.3.1	PM ₁₀ Monitoring Dates	7
2.3.2	PM _{2.5} Monitoring Dates	7
2.3.3	Dust Deposition Monitoring Dates	7
2.4	Monitoring Equipment	7
2.4.1	PM ₁₀ and PM _{2.5} Monitoring	7
2.4.2	Dust Deposition Monitoring	8
2.4.3	Meteorological Monitoring	9
3	Results	9
3.1	PM ₁₀	9
3.2	PM _{2.5}	10
3.3	Dust Deposition Gauges	11
4	Discussion	12
4.1	Discussion of air monitoring data and weather data collected at the premises	12
4.1.1	PM ₁₀ Monitoring Data	12
4.1.2	PM _{2.5} Monitoring Data	12
4.1.3	Dust Deposition Monitoring Data	13
4.1.4	Weather Monitoring Data	13
4.2	Assessment of data compared to relevant air quality guidelines	13
4.3	Details on how the data has been utilised in implemented the Air Quality Management Plan and any trigger action response plans for periods when elevated results are reported	22
4.3.1	AQMP Implementation	22
4.3.2	AQMP Trigger Action Response	23
5	Conclusion	25
6	References	25
	Appendix A	26
	Appendix B	27

1 Introduction

1.1 Background

DMC Darryl McCarthy Constructions Pty Ltd (“the licensee”) is the holder of Environment Protection Licence No. 20598 (“the licence”) issued under the Protection of the Environment Operations Act 1997 (“the Act”). The licence authorises the carrying out of activities at 668 Mount Lindesay Road, TENTERFIELD, NSW, 2372 (“the premises”).

DMC operates the Dowe’s Quarry (the quarry) located at 668 Mount Lindesay Road, Tenterfield, in the Tenterfield Shire Council (TSC) local government area (LGA) of NSW. The site is located off Mount Lindesay Road, approximately 8 km northeast of Tenterfield (**Figure 1**).

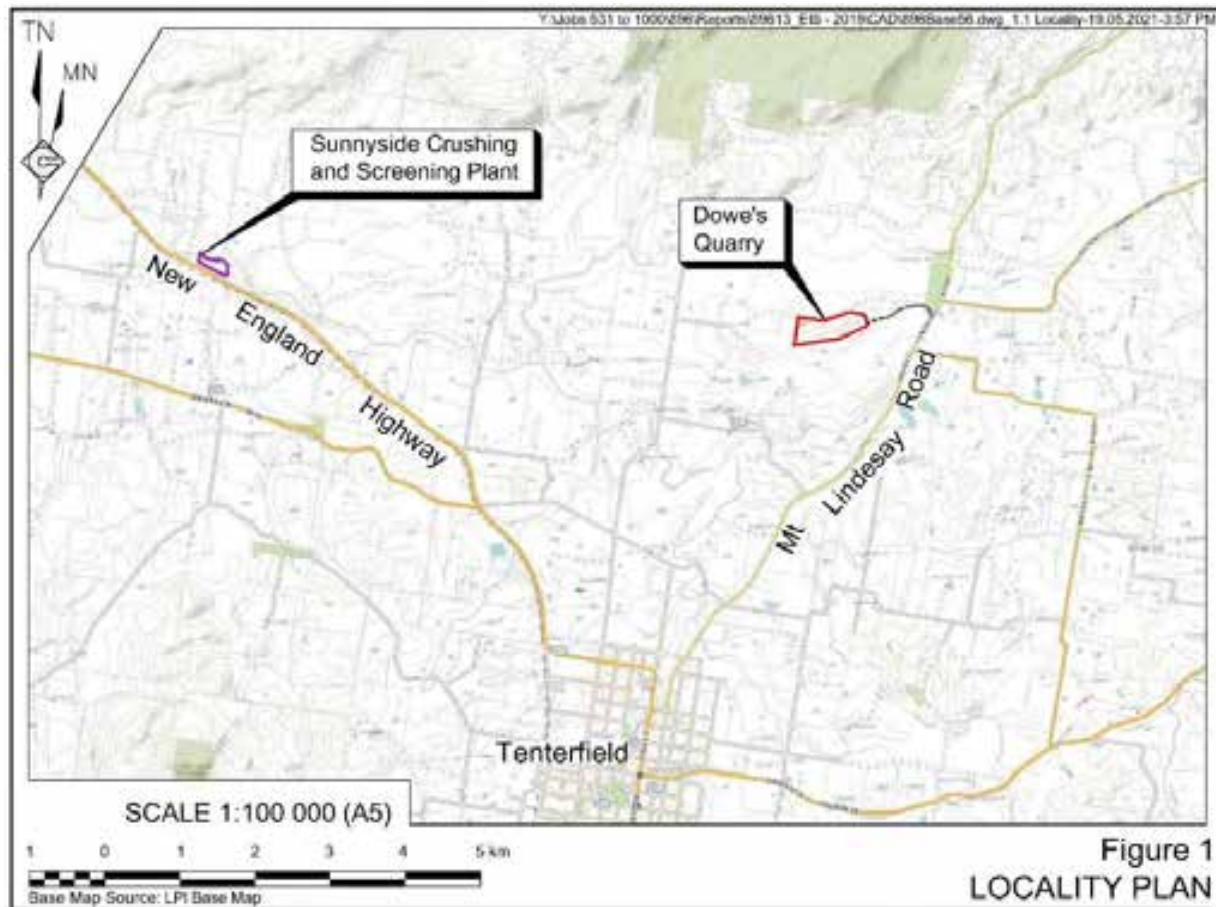


Figure 1: Locality plan

Darryl McCarthy Constructions was acquired by the SEE Group in 2019. In the time since DMC was acquired by SEE Group in 2019, a development application for increased extraction and the addition on site processing was submitted and subsequently approved under DA2019.101. The EIS included an Air Quality Impact Assessment undertaken by Northstar.

Through the submissions process of the DA, a number of residents raised concerns about the potential for community exposure to Respirable Crystalline Silica (RCS) through dust generated as part of the quarry operation. Subsequently a Human Health Risk Assessment (HHRA) was undertaken by EnRisks and was independently reviewed on behalf of Tenterfield Shire Council by Todoroski Air Sciences.

The HHRA identifies the health risks associated with the operation, and concludes that “...health risks to residents in existing properties adjacent to the Quarry are low and acceptable”.

This assessment was supported by the independent review by Todoroski Air Sciences which found that “The maximum off-site PM_{2.5} concentration for all dust due to the Project is 0.2µg/m³ and is predicted at the most impacted residential receptor. This is 15 times below the guideline level for respirable crystalline silica alone and shows that the Project would comply with criteria by a large margin.”

A variation to EPL 20598 was submitted to and approved by the EPA. The EPL variation included a PRP condition to undertake an Air Monitoring Program as follows:

U1.1 The licensee must implement an air monitoring program for a minimum 12 month period commencing August 2021:

- a) which is capable of collecting real time PM_{2.5} data at the premises;*
- b) the data is to be used to help inform dust management practices at the premises; and*
- c) the data is to be collected and recorded so that it is accessible to an authorised officer of the EPA when requested.*

The licensee must provide a report of the results of the air monitoring program which includes:

- a) a discussion of air quality data and weather data collected at the premises;*
- b) an assessment of data compared to relevant air quality guidelines; and*
- c) provide details on how the data collected has been utilised in implementing the Air Quality Management Plan and any trigger action response plans for periods when elevated results are reported.*

The following sections of this report provide the relevant information required by this condition.

2 Method

Northstar Air Quality Pty Ltd (2021) was commissioned to prepare an Air Quality Monitoring Study that presents a review of different ambient air quality monitoring methods available to the operation. The study is provided as **Appendix 1** and includes a comparison and evaluation of different air quality monitoring methods with a recommendation for ongoing monitoring at the Quarry. The outcomes of that study have been relied upon in determining the most appropriate methods and frequency of particulate matter monitoring at the Quarry.

2.1 Air Monitoring Objectives

The purpose of air quality monitoring at Dowe’s Quarry is to determine whether the activities at the Quarry are resulting in relative increases in particulate matter concentrations which would warrant the implementation of additional emissions controls, to ensure that impacts at surrounding residential locations are minimised.

The purpose of the monitoring is not to determine compliance with air quality criteria. The AQIA indicated that compliance with the relevant air quality criteria would be comfortably achieved at all surrounding sensitive receptor locations, and the level of accuracy provided by ‘reference method’ air quality monitoring equipment is not considered to be required in this instance. The laser nephelometer monitoring method is suitable for

determination of the level of change in particulate matter concentrations, which allows additional management and mitigation measures to be applied, as required.

2.2 Air Monitoring Locations

Air Quality Monitors were located at the western and eastern-most extent of the Quarry site, in line with the prevailing wind patterns experienced at the Quarry (**Figure 2** and **Table 1**). The closest residences to the Quarry are situated to the east and west. The locations presented in **Figure 2** are therefore considered to be the most appropriate and representative monitoring locations for any potential impacts at privately-owned residences.



Figure 2: Deposited Dust and PM₁₀/PM_{2.5} Monitoring locations

Table 1: Air quality monitoring locations

Monitoring Location	Monitoring Type	Northing	Easting
Existing Quarry Access Road	Deposited Dust	6791945	408262
Western Boundary	Deposited Dust	6791551	406324
Dowe Property	Deposited Dust	6790814	406383
Eastern Boundary	PM ₁₀ /PM _{2.5}	6791670	408182
Western Boundary	PM ₁₀ /PM _{2.5}	6791551	406324

2.3 Air Monitoring Dates

This report considers PM₁₀, PM_{2.5} and DDG data spanning approximately 15 months from 4th June 2021 to 31st August 2022

Particulate matter and dust deposition monitoring at the quarry was undertaken as follows:

2.3.1 PM₁₀ Monitoring Dates

PM₁₀ was monitored from 4th June 2021 to 7th of December 2021.

2.3.2 PM_{2.5} Monitoring Dates

PM_{2.5} was monitored from 8th of December 2021 – 30th August. PM_{2.5} monitoring was originally scheduled to commence in August 2021 but was delayed due to covid related procurement difficulties in sourcing PM_{2.5} cyclones.

Data was excluded/not collected during the dates outlined below.

Gauge and date range	Reason/explanation/action taken
Western gauge: <ul style="list-style-type: none">January 3rd 2022 - January 20th 2022; andFebruary 8th 2022 - February 15th 2022.	Cattle grazing in the paddock around the gauge rubbing against the monitors and causing the power source to be disconnected. Exclusion fencing was installed around gauge to exclude cattle from the area.
Eastern gauge: <ul style="list-style-type: none">December 8th 2021 and December 11th 2021;	Gauge was returning erroneous data results due to a pump/cyclone malfunction during start-up following installation of PM _{2.5} cyclones. Pump was re-started/re-zeroed and returned to normal function.
Eastern gauge: <ul style="list-style-type: none">May 1st 2022 and July 7th 2022;	Gauge was offline/returning erroneous data due a power source malfunction. Field tech attended site and undertook repairs.
Eastern gauge: <ul style="list-style-type: none">August 14th 2022 and August 7th 2022;	Gauge was offline/returning erroneous data due an air pump failure. New pump procured.

2.3.3 Dust Deposition Monitoring Dates

- Dust deposition was monitored from June 2021 – January 2022 and from June 2022 to August 2022. Due to covid impacts and related staffing issues, DDGs were not operated between February 2022 and May 2022

2.4 Monitoring Equipment

2.4.1 PM₁₀ and PM_{2.5} Monitoring

Continuous monitoring of PM₁₀ and PM_{2.5} was conducted for the study using two [Thermo Fisher Area Dust Monitors ADR1500](#) nephelometers (located in accordance with **Figure 2**). The Air Quality Monitoring Study undertaken by Northstar (2021) provides justification for the ongoing monitoring of PM₁₀ and the equipment to be used for this purpose.

The objective of the PM₁₀ and PM_{2.5} monitoring program is not strictly for compliance purposes but is to indicate if/when additional particulate matter mitigation measures should be employed at the Quarry, to ensure that any criteria are likely to be achieved at off-site locations. Moreover, PM₁₀ and PM_{2.5} has a short-term averaging criterion appropriate for use with reactive management strategies.

An optical analyser (laser nephelometer) has been selected for monitoring purposes as it provides a suitably accurate representation of particulate matter levels, is capable of real-time monitoring and data transmission, is portable and may be powered by solar panels and does not have the high cost of equipment used at large-scale coal mining operations.

Data is transmitted real time via cellular data connection (**Figure 3**) to an online portal managed by WeatherMation (**Figure 4 – screenshot below**).

Data was generally accessed daily via DMC to confirm dust levels remained low and was also downloaded and assessed for senior management reporting on a monthly basis.



Figure 3: PM₁₀/PM_{2.5} Monitoring gauges and data transmitters

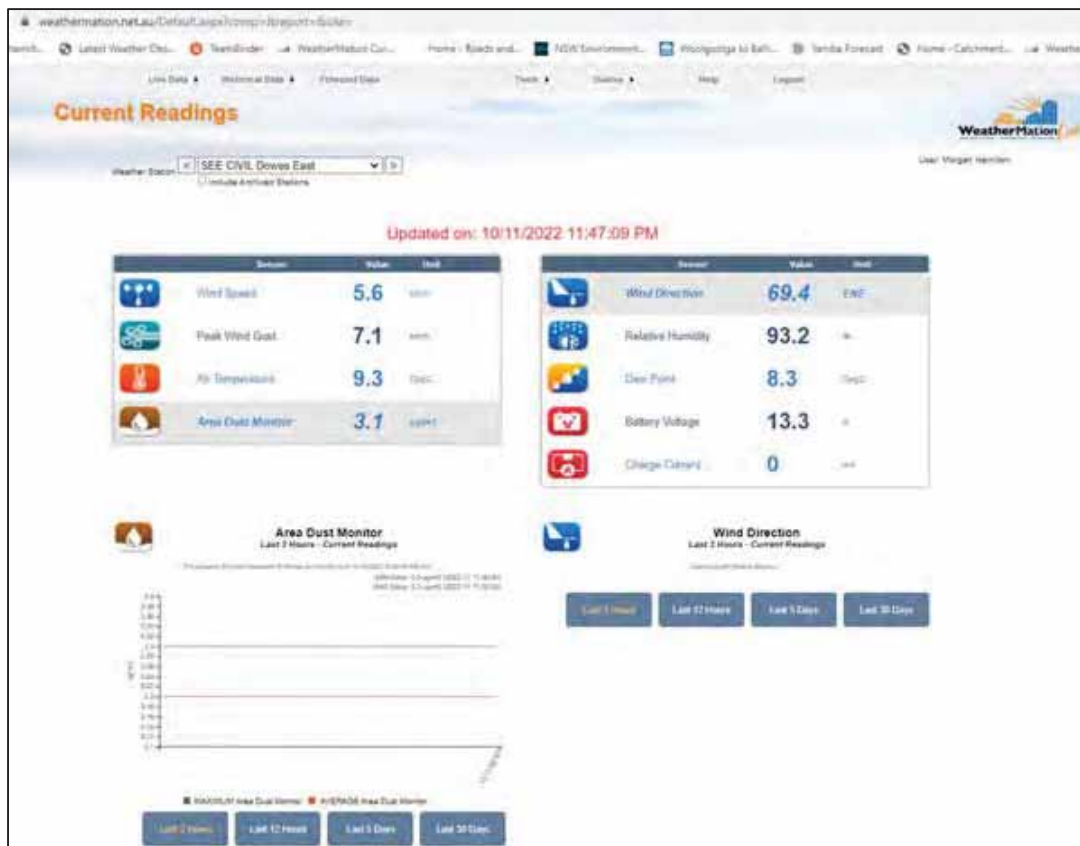


Figure 4: Screenshot - WeatherMation air monitoring dashboard

2.4.2 Dust Deposition Monitoring

Data from dust deposition gauges measures the levels of the coarse dust (generated mostly from unsealed roads, raw material handling, open stockpiles, etc.). It is a measure of dust nuisance (dust on cars, washing,

window-panes) in the immediate vicinity of the source, as the heavy dust settles quickly and doesn't travel far. It is not an indication of potential health problems as it doesn't penetrate into the respiratory system due to a large size of dust particles.

Three deposited dust gauges have been installed surrounding the Quarry (Figure 2). Dust deposition gauges were be operated in accordance with the following documents.

- The NSW EPA Approved methods for the sampling and analysis of air pollutants in NSW (DEC, 2007).
- AS/NZS 3580.10.1:2016 Methods for sampling and analysis of ambient air - Determination of particulate matter – Deposited matter – Gravimetric method.

Dust deposition gauges were generally measured on a monthly basis. Exposed gauges were replaced each month, with analysis conducted at a NATA accredited laboratory for insoluble solids, combustible matter and ash content.

2.4.3 Meteorological Monitoring

A meteorological station was in the vicinity of the Quarry Site in accordance with the requirements described in the Approved Methods for Sampling of Air Pollutants in New South Wales. Condition M4.1 of EPL 20598 requires monitoring of the parameters, units of measure, averaging period and frequency specified in **Table 2**.

Table 2: Meteorological monitoring

Parameter	Units of Measure	Frequency	Averaging Period	Sampling Method (Notes 1, 2)
Rainfall	Mm/hour	Continuous	1 hour	AM-4
Sigma theta	degrees	Continuous	10 minute	AM2 and AM-4
Siting				AM-1
Air Temperature at 2m	Kelvin	Continuous	10 minute	AM-4
Air Temperature at 10m	Kelvin	Continuous	10 minute	AM-4
Wind direction at 10m	Watts per square metre	Continuous	10 minute	AM-4
Wind Speed at 10m	Degrees	Continuous	10 minute	AM2 and AM-4
Total solar radiation	Metres per second	Continuous	10 minute	AM2 and AM-4

Note 1 - Any other method approved in writing by the EPA.
 Note 2 - The weather monitoring instrumentation installed and operated at the site must have a stall speed or lower limit of measure for measuring wind speed less than 0.2m/s.

3 Results

3.1 PM10

The PM₁₀ daily (24-hour average) and progressive annual average results for the period 4th June 2021 to 7th of December 2021 are shown in **Table 3** and **Figure 5**. The complete data is provided in **Appendix B**.

All PM₁₀ monitoring results were compliant with the short term (24-hour average) and long term (annual average) impact assessment criteria.

Table 3: PM10 Nephelometer air sampling results

Date (range)	PM ₁₀ East daily range	PM ₁₀ West daily range	PM ₁₀ East annual average	PM ₁₀ West annual average
4 th June 2021 to 7 th of December 2021	0.9 – 27.6 µg/m ³	0.7 – 19.1 µg/m ³	4.1 µg/m ³	3.7 µg/m ³
Criteria	50 µg/m ³		25µg/m ³	

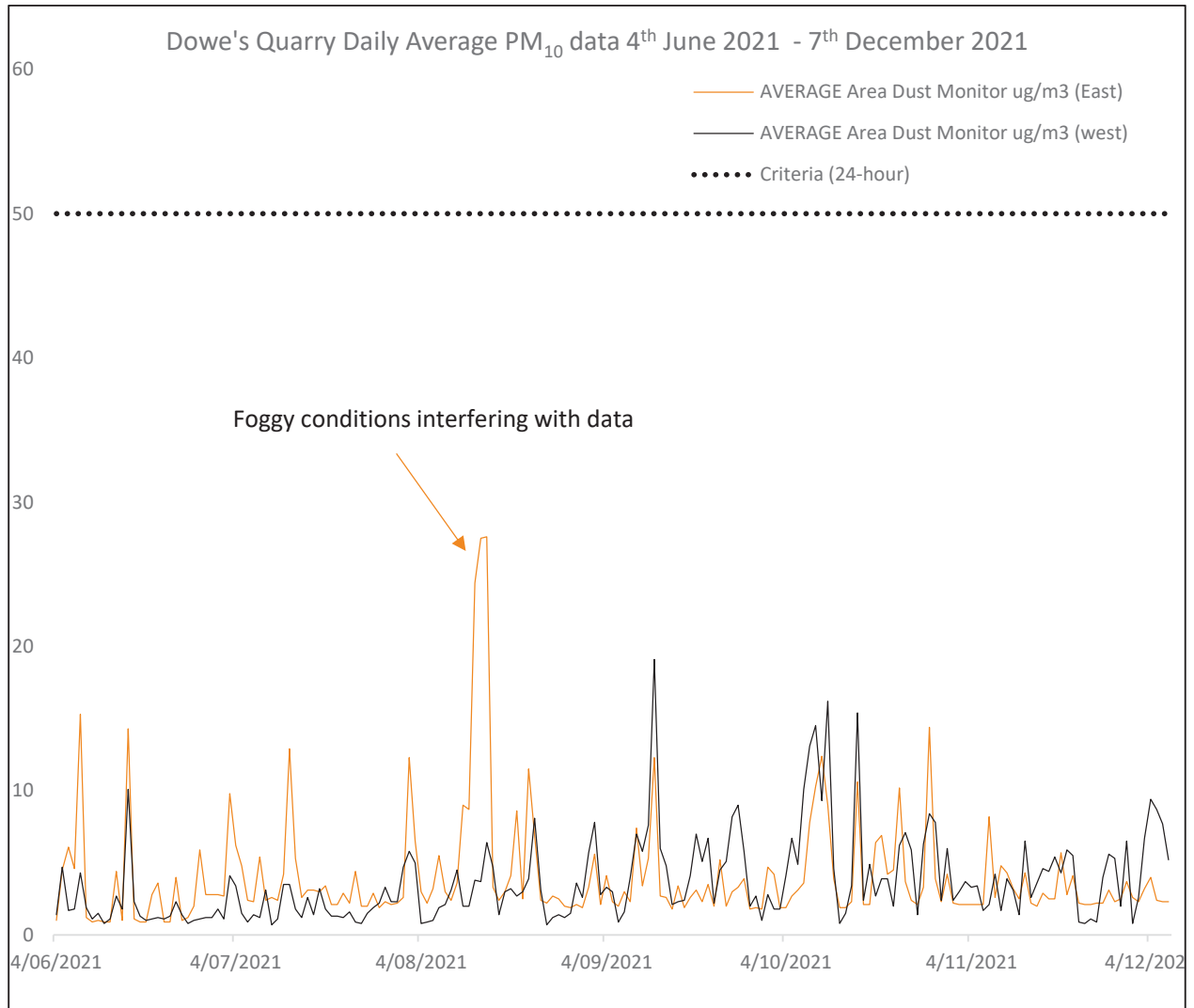


Figure 5: PM₁₀ 24-hour average data 4th June 2021 – 7th December 2021

3.2 PM_{2.5}

The PM_{2.5} daily (24-hour average) and progressive annual average results for the period 8th of December 2021 to 30th August 2022 are shown in **Table 4** and **Figure 5**. The complete data is provided in **Appendix B**.

All PM_{2.5} monitoring results were compliant with the short term (24-hour average) and long term (annual average) impact assessment criteria.

Table 4: PM_{2.5} Nephelometer air sampling results

Date (range)	PM _{2.5} East daily range	PM _{2.5} West daily range	PM _{2.5} East annual average	PM _{2.5} West annual average
4 th June 2021 to 7 th of December 2021	1.2 – 11.5 µg/m ³	0.4 – 30.2 µg/m ³	3.0 µg/m ³	2.4 µg/m ³
Criteria	25 µg/m ³		8µg/m ³	

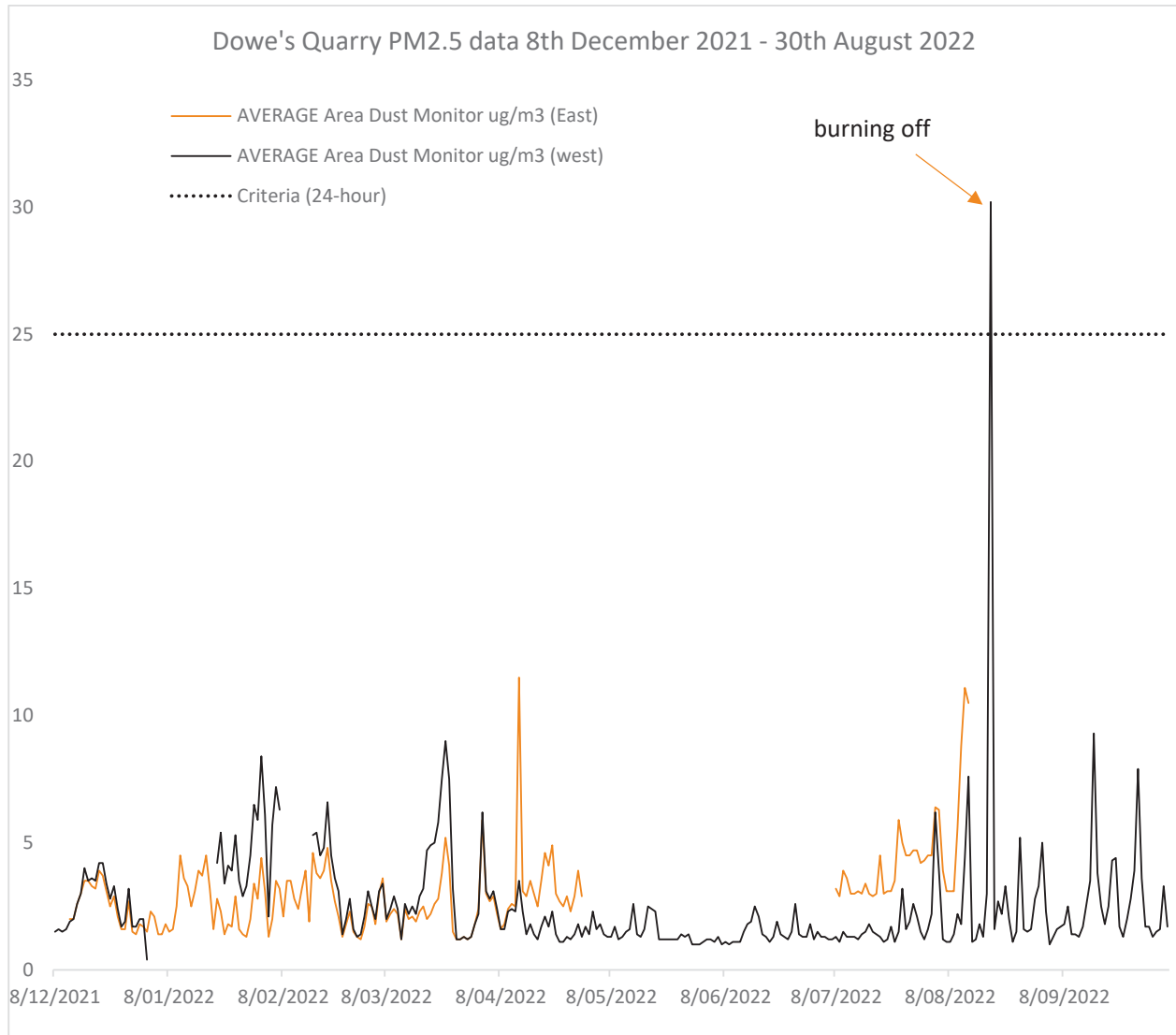


Figure 6: PM_{2.5} 24-hour average data 7th December 2021 – 31st August 2022

3.3 Dust Deposition Gauges

Dust deposition gauge results are presented in **Table 5**.

Table 5: Dust deposition air monitoring results

	Dust Deposition Gauges (grams per square metre per month as monthly average)		
	South - Dowe property	East	West
June 2021	0.5	0.1	0.4
July 2021	0.5	0.3	0.2
August 2021	1	0.7	0.3
September 2021	0.05	0.2	0.2
October 2021	0.4	0.3	0.1
November 2021	0.5	0.3	0.7
December 2021	0.1	3.6	0.3
January 2022	0.6	0.3	0.2
February 2022	-	-	-

	Dust Deposition Gauges (grams per square metre per month as monthly average)		
	South - Dowe property	East	West
March 2022	-	-	-
April 2022	-	-	-
May 2022	-	-	-
June 2022	0.2	0.6	0.3
July 2022	0.2	0.6	0.3
August 2022	0.2	0.6	0.3
Average	0.4	0.7	0.3
Criteria	4g/m ² /month (rolling 12-month average)		

4 Discussion

4.1 Discussion of air monitoring data and weather data collected at the premises

4.1.1 PM₁₀ Monitoring Data

All PM₁₀ monitoring results collected in the reporting period were well below the short term (24-hour average) and long term (annual average) impact assessment criteria of 50µg/m³ and 25µg/m³ respectively.

The long-term average at each of the gauges (4.1µg/m³ at the eastern gauge and 3.7 µg/m³ at the western gauge) was between six and seven times below the adopted criteria of 25µg/m³.

The short-term (24-hour) average was:

- Between 0.9 – 27.6µg/m³ at the eastern gauge; and
- Between 0.7 – 19.1µg/m³ at the western gauge.

The maximum reading was approximately half the adopted criteria of 50µg/m³.

The 90th percentile of monitoring days recorded PM₁₀ concentrations < 10µg/m³.

4.1.2 PM_{2.5} Monitoring Data

All PM_{2.5} monitoring results collected in the reporting period were compliant with the short term (24-hour average) and long term (annual average) impact assessment criteria of 25µg/m³ and 8µg/m³ respectively.

The long-term average at each of the gauges (3.0µg/m³ at the eastern gauge and 2.4 µg/m³) at each gauge was less than half of the adopted criteria of 8µg/m³ and within or below the adopted Victorian health-based criteria of 3.0 µg/m³.

The short-term (24-hour) average was:

- Between 1.2 – 11.5µg/m³ at the eastern gauge; and
- Between 0.4 – 30.2µg/m³ at the western gauge.

The 24-hour average was exceeded on a single day (19th August at the western gauge) which was recorded during burning off activities undertaken on neighbouring properties and was not deemed to be related to quarry dust. The next highest short-term PM_{2.5} concentration was 11.5µg/m³ (13th April at the eastern gauge) which represents less than half the adopted criteria.

The 90th percentile of monitoring days recorded PM_{2.5} concentrations < 5µg/m³.

4.1.3 Dust Deposition Monitoring Data

All dust deposition monitoring results collected in the reporting period were well below the NSW State guideline of 4g/m²/month.

4.1.4 Weather Monitoring Data

The wind rose report for the monitoring period confirmed the prevailing wind direction as easterly and westerly and also shows the strongest winds were generally recorded from the west (Figure 7). This correlates with slightly higher long-term averages in particulate matter concentrations at the eastern air monitoring station. Although topography, vegetation and elevation are also be considered to be influencing factors.

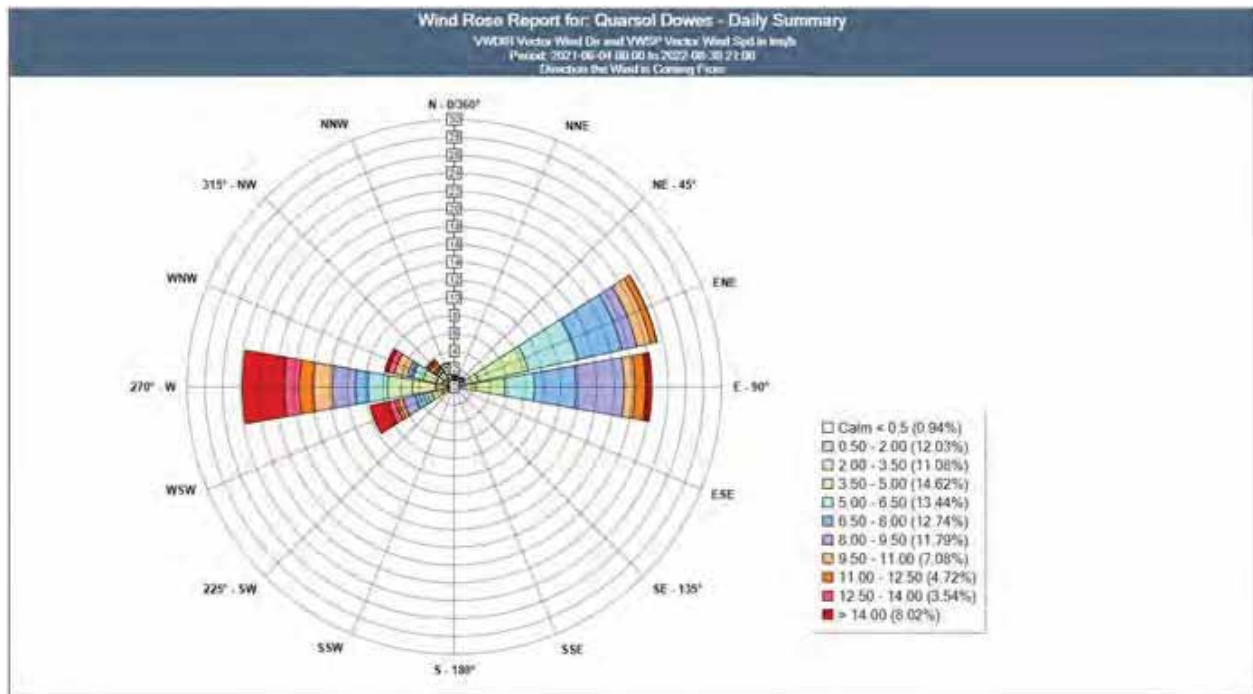


Figure 7: Wind rose data for the monitoring period

4.2 Assessment of data compared to relevant air quality guidelines

Table 6 presents the air quality criteria identified in the Air Quality Assessment undertaken for the quarry by Northstar Air Quality (Northstar, 2020). This represents the most up to date air quality criteria adopted for the operation of the quarry.

Table 6: Air Quality Assessment Criteria

Pollutant	Averaging period	Criterion	Notes
PM10	24 hours	50µg/m ³	Numerically equivalent to the AAQ NEMP ^(a) standards and goals
	1 year	25µg/m ³	
PM2.5	24 hours	25µg/m ³	
	1 year	8µg/m ³	
TSP	1 year	90µg/m ³	
Deposited Dust	1 year ^(b)	2g/m ² /month	Assessed as insoluble solids as defined by AS 3580.10.1
	1 year ^(c)	2g/m ² /month	
Notes:			
(a) National Environmental Protection (Ambient Air Quality) Measure			
(b) maximum increase in deposited dust level			
(c) maximum total deposited dust level			

Predicted Air

Table 21
Predicted Maximum 24-hour Average Incremental PM₁₀ Concentrations

Receptor	Maximum Incremental 24-hour PM ₁₀ Concentration (µg m ⁻³)			
	Existing	Stage 1	Stage 2	Stage 3
2	0.9	2.8	3.1	3.1
3A	4.8	12.1	15.6	19.9
3B	2.1	5.8	5.9	7.0
4	1.1	2.5	2.9	3.5
5A	0.9	2.2	2.3	2.3
5B	1.0	2.3	2.7	3.2
6	1.0	2.3	2.4	2.5
7	1.2	2.8	2.9	2.9
8	0.9	2.3	2.1	2.2
9	0.7	1.8	1.8	2.0
11	1.7	4.1	4.5	5.4
12	2.8	6.1	6.1	7.5
13	2.6	7.3	6.7	5.8
14	2.0	5.4	5.0	4.4
15	2.0	5.2	4.8	4.6
16	0.9	2.5	2.7	2.7
18	1.3	3.5	3.5	4.1
19	1.3	3.1	3.4	3.9
20	1.2	2.9	3.0	3.4
21	1.2	2.6	3.0	3.1
22	0.8	2.1	2.0	1.9
23	0.8	1.9	1.9	1.7
24	1.0	2.2	2.5	2.6
25	0.8	2.1	2.2	2.3
26	0.7	2.0	2.1	2.1
Criterion	50	50	50	50

The predicted maximum 24-hour average PM10 concentrations resulting from the operation of Stage 1, Stage 2 and Stage 3 of the Project, with background included are presented in table 22 - 25.

Results are presented for the receptor at which the highest incremental impacts have been predicted (receptor 3A) (Tables 22 - 25). The left side of the tables show the predicted concentration on days with the highest background, and the right side shows the total predicted concentration on days with the highest predicted incremental concentrations.

In all three modelled stages of operation, one exceedance of the 24-hour average impact assessment criterion for PM10 was predicted although no additional exceedances are shown to eventuate because of the operation of the Project. The predicted exceedance (highlighted in **bold**) is driven by the background air quality (i.e. existing sources) and is not contributed to by the proposed operations at the Quarry Site.

Actual Air

humidity/dew point sensor was added to each gauge to allow any residual fog interference to be compared/correlated with times when temperature drops below the corresponding dew point.

The worst case modelled PM₁₀ predictions were not exceeded on any monitoring days.

Predicted Air

Actual Air

Table 22
Summary of Contemporaneous Impact and Background - 24-hour Average PM₁₀ - Existing

Date	24-hour average PM ₁₀ concentration (µg m ⁻³)			Date	24-hour average PM ₁₀ concentration (µg m ⁻³)		
	Incr.	BG	Cumul.		Incr.	BG	Cumul.
6/05/2015	1.2	32.7	53.9	30/06/2015	4.8	20.5	25.3
26/11/2015	0.4	48.0	48.4	26/02/2015	-4.4	18.0	22.4
7/05/2015	0.7	31.6	32.3	16/04/2015	1.7	29.2	30.9
21/11/2015	0.2	30.8	31.0	17/04/2015	3.5	19.7	23.2
27/11/2015	<0.1	30.9	31.0	30/06/2015	3.2	21.8	24.8
7/10/2015	<0.1	29.6	29.7	21/08/2015	2.0	26.1	29.0
21/08/2015	<0.1	29.2	29.3	26/05/2015	2.7	26.7	29.4
6/10/2015	<0.1	29.0	29.1	22/07/2015	2.5	18.5	21.1
8/03/2015	<0.1	28.4	28.5	13/10/2015	2.6	17.2	19.7
20/11/2015	0.5	27.1	27.5	15/04/2015	2.5	16.5	19.0
Criterion	50			Criterion	50		

These data represent the highest cumulative impact 24-hour PM₁₀ predictions as a result of the operation of the project.

These data represent the highest incremental impact 24-hour PM₁₀ predictions as a result of the operation of the project.

Note: Incr. = incremental impact, BG = background concentration, Cumul. = cumulative impact

Table 23
Summary of Contemporaneous Impact and Background - 24-hour Average PM₁₀ - Stage 1

Date	24-hour average PM ₁₀ concentration (µg m ⁻³)			Date	24-hour average PM ₁₀ concentration (µg m ⁻³)		
	Incr.	BG	Cumul.		Incr.	BG	Cumul.
6/05/2015	2.4	52.7	55.1	30/06/2015	12.1	20.5	32.6
26/11/2015	1.0	48.0	49.0	26/02/2015	11.5	18.0	29.4
7/05/2015	1.0	31.6	32.7	16/04/2015	9.9	21.6	31.6
21/11/2015	0.6	30.8	31.4	17/04/2015	9.4	29.2	38.6
27/11/2015	<0.1	30.9	31.0	30/06/2015	8.7	18.5	27.2
7/10/2015	<0.1	29.6	29.7	21/08/2015	8.4	19.7	28.1
21/08/2015	<0.1	29.2	29.3	26/05/2015	8.0	26.7	34.7
6/10/2015	0.1	29.0	29.1	22/07/2015	7.6	8.9	16.5
8/03/2015	<0.1	28.4	28.5	13/10/2015	7.1	16.5	23.6
20/11/2015	1.0	27.1	28.1	15/04/2015	7.0	15.6	22.6
Criterion	50			Criterion	50		

These data represent the highest cumulative impact 24-hour PM₁₀ predictions as a result of the operation of the project.

These data represent the highest incremental impact 24-hour PM₁₀ predictions as a result of the operation of the project.

Note: Incr. = incremental impact, BG = background concentration, Cumul. = cumulative impact

Table 24
Summary of Contemporaneous Impact and Background - 24-hour Average PM₁₀ - Stage 2

Date	24-hour average PM ₁₀ concentration (µg m ⁻³)			Date	24-hour average PM ₁₀ concentration (µg m ⁻³)		
	Incr.	BG	Cumul.		Incr.	BG	Cumul.
6/05/2015	3.3	52.7	56.0	30/06/2015	15.6	20.5	36.1
26/11/2015	0.6	48.0	48.6	26/02/2015	15.0	18.0	32.9
7/05/2015	1.3	31.6	33.0	16/04/2015	11.9	21.6	33.6
21/11/2015	0.6	30.8	31.4	17/04/2015	11.7	19.7	31.4
27/11/2015	0.1	30.9	30.9	30/06/2015	10.8	22.1	32.9
7/10/2015	<0.1	29.6	29.7	21/08/2015	10.3	26.7	37.0
21/08/2015	<0.1	29.2	29.3	26/05/2015	10.2	18.5	28.7
6/10/2015	0.1	29.0	29.1	22/07/2015	10.1	29.2	39.3
8/03/2015	<0.1	28.4	28.5	13/10/2015	9.1	16.5	25.7
20/11/2015	1.1	27.1	28.2	15/04/2015	8.6	25.0	33.6
Criterion	50			Criterion	50		

These data represent the highest cumulative impact 24-hour PM₁₀ predictions as a result of the operation of the project.

These data represent the highest incremental impact 24-hour PM₁₀ predictions as a result of the operation of the project.

Note: Incr. = incremental impact, BG = background concentration, Cumul. = cumulative impact

Table 25
Summary of Contemporaneous Impact and Background - 24-hour Average PM₁₀ - Stage 3

Date	24-hour average PM ₁₀ concentration (µg m ⁻³)			Date	24-hour average PM ₁₀ concentration (µg m ⁻³)		
	Incr.	BG	Cumul.		Incr.	BG	Cumul.
6/05/2015	3.8	52.7	56.5	30/06/2015	19.9	20.5	40.4
26/11/2015	0.8	48.0	48.7	26/02/2015	15.9	18.0	33.8
7/05/2015	1.8	31.6	33.5	16/04/2015	12.5	19.7	32.1
21/11/2015	0.6	30.8	31.4	17/04/2015	12.3	29.2	41.5
27/11/2015	0.2	30.9	31.0	30/06/2015	12.3	21.6	33.9
7/10/2015	<0.1	29.6	29.7	21/08/2015	11.5	18.5	30.0
21/08/2015	<0.1	29.2	29.3	26/05/2015	11.2	17.2	28.4
6/10/2015	0.1	29.0	29.1	22/07/2015	10.7	26.7	37.4
8/03/2015	<0.1	28.4	28.5	13/10/2015	9.8	16.5	26.3
20/11/2015	1.0	27.1	28.1	15/04/2015	9.8	12.3	22.1
Criterion	50			Criterion	50		

These data represent the highest cumulative impact 24-hour PM₁₀ predictions as a result of the operation of the project.

These data represent the highest incremental impact 24-hour PM₁₀ predictions as a result of the operation of the project.

Note: Incr. = incremental impact, BG = background concentration, Cumul. = cumulative impact

Figure 12, Figure 13, Figure 14, and Figure 15 present the maximum predicted 24-hour

Predicted Air	Actual Air
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average incremental PM10 concentrations associated with existing operations, and Stage 1, Stage 2 and Stage 3 operations, respectively.

Figure 12
 Predicted Incremental Maximum 24-hour Average PM₁₀ Concentrations – Existing




Figure 13
 Predicted Incremental Maximum 24-hour Average PM₁₀ Concentrations – Stage 1



Figure 14
 Predicted Incremental Maximum 24-hour Average PM₁₀ Concentrations – Stage 2



Predicted Air	Actual Air
<p style="text-align: center;">Figure 15 Predicted incremental Maximum 24-hour Average PM₁₀ Concentrations – Stage 3</p> 	
<p>Predicted PM_{2.5} 24-hour</p> <p>The maximum predicted incremental 24-hour average PM_{2.5} concentrations resulting from activities during Stage 1, Stage 2 and Stage 3 operations are presented in Table 26. These predictions indicate that the activities during operations could potentially result in incremental impacts up to 2.9 µg·m⁻³ at the modelled receptor locations (receptor 3A), which represents <12 % of the relevant criterion.</p> <p>The predicted maximum 24-hour average PM_{2.5} concentrations resulting from the operation of Stage 1, Stage 2 and Stage 3 of the Project, with background included are presented below.</p> <p>Results are presented for the receptor at which the highest incremental impacts have been predicted (receptor 3A). Again, the left side of the tables show the predicted concentration on days with the highest background, and the right side shows the total predicted concentration on days with the highest predicted incremental concentrations.</p> <p>In both Stage 1, Stage 2 and Stage 3 operations, no exceedances of the 24-hour average impact assessment criterion for PM_{2.5} are predicted. The maximum predicted cumulative impact at receptor 3A are likely to be <80 % of the relevant criterion, which again is dominated by high background contributions.</p>	<p>Actual PM_{2.5} 24-hour</p> <p>Actual measured 24-hr PM_{2.5} concentrations ranged between 1.2 µg/m³ and 11.5 µg/m³ at the eastern gauge and 0.4µg/m³ and 30.2 µg/m³ at the western gauge.</p> <p>The 24-hour average was exceeded on a single day (30.2 µg/m³ on 19th August at the western gauge) which was recorded during burning off activities undertaken on neighbouring properties and was not deemed to be related to quarry dust.</p> <p>The next highest short-term PM_{2.5} concentration was 11.5µg/m³ (13th April at the eastern gauge) which represents less than half the adopted criteria.</p>

Predicted Air

Actual Air

Table 27
Summary of Contemporaneous Impact and Background - 24-hour Average PM_{2.5} - Existing

Date	24-hour average PM _{2.5} concentration (µg·m ⁻³)			Date	24-hour average PM _{2.5} concentration (µg·m ⁻³)		
	Incr.	BG	Cumul.		Incr.	BG	Cumul.
6/05/2015	0.2	19.4	19.6	30/06/2015	0.6	9.2	9.9
26/11/2015	0.0	17.9	17.9	26/02/2015	0.5	8.4	8.9
7/05/2015	0.1	12.8	12.9	16/04/2015	0.4	9.0	9.4
27/11/2015	0.0	12.5	12.5	17/04/2015	0.4	12.0	12.4
21/11/2015	0.0	12.5	12.5	30/06/2015	0.3	9.6	9.9
7/10/2015	0.0	12.1	12.1	21/08/2015	0.3	8.2	8.5
21/08/2015	0.0	12.0	12.0	26/05/2015	0.3	8.0	8.3
6/10/2015	0.0	11.9	11.9	22/07/2015	0.3	11.2	11.5
8/03/2015	0.0	11.7	11.7	13/10/2015	0.3	7.2	7.4
20/11/2015	0.0	11.3	11.3	15/04/2015	0.3	11.0	11.3
Criterion	25			Criterion	25		
These data represent the highest cumulative impact 24-hour PM _{2.5} predictions as a result of the operation of the project.				These data represent the highest incremental impact 24-hour PM _{2.5} predictions as a result of the operation of the project.			
Note: Incr. = incremental impact, BG = background concentration, Cumul. = cumulative impact							

Table 28
Summary of Contemporaneous Impact and Background - 24-hour Average PM₁₀ - Stage 1

Date	24-hour average PM ₁₀ concentration (µg·m ⁻³)			Date	24-hour average PM ₁₀ concentration (µg·m ⁻³)		
	Incr.	BG	Cumul.		Incr.	BG	Cumul.
6/05/2015	0.4	19.4	19.8	30/06/2015	1.7	9.2	10.9
26/11/2015	0.1	17.9	18.0	26/02/2015	1.5	8.4	9.9
7/05/2015	0.2	12.8	12.9	16/04/2015	1.3	9.6	10.9
21/11/2015	0.1	12.5	12.5	17/04/2015	1.2	12.0	13.2
27/11/2015	0.0	12.5	12.5	30/06/2015	1.1	9.0	10.1
7/10/2015	0.0	12.1	12.1	21/08/2015	1.1	8.6	9.7
21/08/2015	0.0	12.0	12.0	26/05/2015	1.1	11.2	12.3
6/10/2015	0.0	11.9	11.9	22/07/2015	1.0	5.6	6.5
8/03/2015	0.0	11.7	11.7	13/10/2015	1.0	8.0	8.9
20/11/2015	0.1	11.3	11.4	15/04/2015	0.9	9.7	10.7
Criterion	25			Criterion	25		
These data represent the highest cumulative impact 24-hour PM ₁₀ predictions as a result of the operation of the project.				These data represent the highest incremental impact 24-hour PM ₁₀ predictions as a result of the operation of the project.			
Note: Incr. = incremental impact, BG = background concentration, Cumul. = cumulative impact							

Table 29
Summary of Contemporaneous Impact and Background - 24-hour Average PM_{2.5} - Stage 2

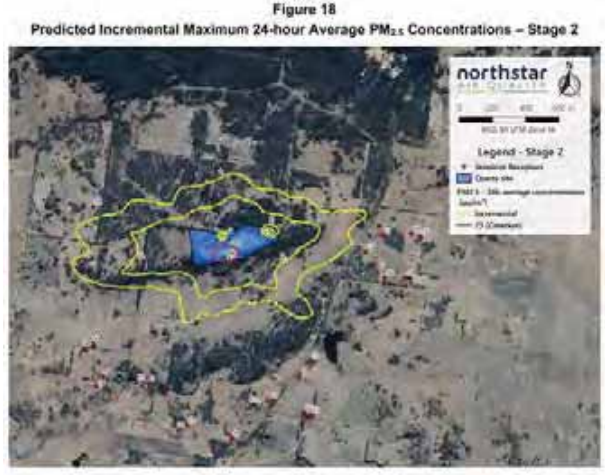
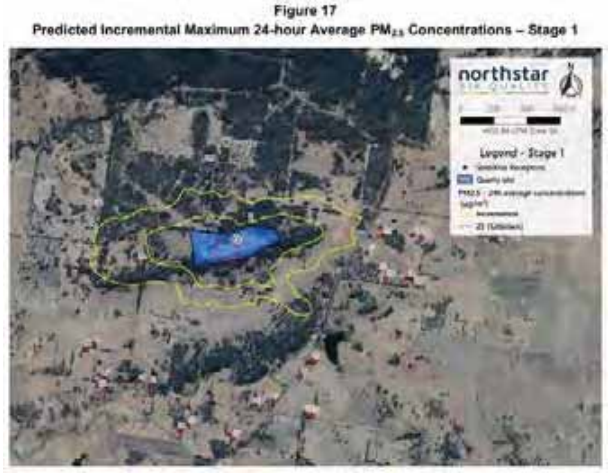
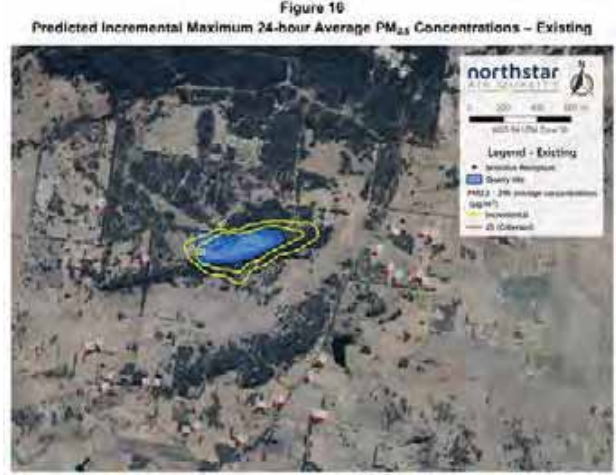
Date	24-hour average PM _{2.5} concentration (µg·m ⁻³)			Date	24-hour average PM _{2.5} concentration (µg·m ⁻³)		
	Incr.	BG	Cumul.		Incr.	BG	Cumul.
6/05/2015	0.5	19.4	19.9	30/06/2015	2.2	9.2	11.4
26/11/2015	0.1	17.9	18.0	26/02/2015	2.0	8.4	10.5
7/05/2015	0.2	12.8	13.0	16/04/2015	1.6	9.0	10.6
21/11/2015	0.1	12.5	12.6	17/04/2015	1.6	9.6	11.2
27/11/2015	0.0	12.5	12.5	30/06/2015	1.6	9.7	11.3
7/10/2015	0.0	12.1	12.1	21/08/2015	1.4	11.2	12.6
21/08/2015	0.0	12.0	12.0	26/05/2015	1.3	12.0	13.3
6/10/2015	0.0	11.9	11.9	22/07/2015	1.3	8.6	9.9
8/03/2015	0.0	11.7	11.7	13/10/2015	1.3	8.0	9.2
20/11/2015	0.1	11.3	11.4	15/04/2015	1.2	10.6	11.8
Criterion	25			Criterion	25		
These data represent the highest cumulative impact 24-hour PM _{2.5} predictions as a result of the operation of the project.				These data represent the highest incremental impact 24-hour PM _{2.5} predictions as a result of the operation of the project.			
Note: Incr. = incremental impact, BG = background concentration, Cumul. = cumulative impact							

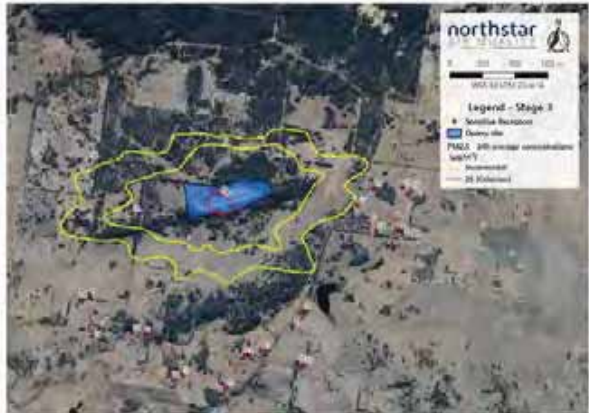
Table 30
Summary of Contemporaneous Impact and Background - 24-hour Average PM₁₀ - Stage 3

Date	24-hour average PM ₁₀ concentration (µg·m ⁻³)			Date	24-hour average PM ₁₀ concentration (µg·m ⁻³)		
	Incr.	BG	Cumul.		Incr.	BG	Cumul.
6/05/2015	0.6	19.4	20.0	30/06/2015	2.9	9.2	12.2
26/11/2015	0.1	17.9	18.0	26/02/2015	2.2	8.4	10.6
7/05/2015	0.3	12.8	13.0	16/04/2015	1.8	9.0	10.7
21/11/2015	0.1	12.5	12.6	17/04/2015	1.7	8.2	9.9
27/11/2015	0.0	12.5	12.5	30/06/2015	1.6	12.0	13.6
7/10/2015	0.0	12.1	12.1	21/08/2015	1.6	9.6	11.2
21/08/2015	0.0	12.0	12.0	26/05/2015	1.5	8.6	10.1
6/10/2015	0.0	11.9	11.9	22/07/2015	1.5	11.2	12.6
8/03/2015	0.0	11.7	11.7	13/10/2015	1.4	8.0	9.3
20/11/2015	0.1	11.3	11.4	15/04/2015	1.3	6.7	8.0
Criterion	25			Criterion	25		
These data represent the highest cumulative impact 24-hour PM ₁₀ predictions as a result of the operation of the project.				These data represent the highest incremental impact 24-hour PM ₁₀ predictions as a result of the operation of the project.			
Note: Incr. = incremental impact, BG = background concentration, Cumul. = cumulative impact							

Predicted Air	Actual Air
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Figure 16, Figure 17, Figure 18, and Figure 19 present the maximum predicted 24-hour average incremental $PM_{2.5}$ concentrations associated with Stage 1, Stage 2 and Stage 3 operations, respectively.



Predicted Air	Actual Air
<p data-bbox="240 216 792 254">Figure 19 Predicted Incremental Maximum 24-hour Average PM_{2.5} Concentrations – Stage 3</p> 	

4.3 Details on how the data has been utilised in implemented the Air Quality Management Plan and any trigger action response plans for periods when elevated results are reported

4.3.1 AQMP Implementation

The following operational controls and management measures have been adopted by DMC to limit the generation of dust. The level of dust control achieved by each action is estimated from technical literature and case study analysis as presented in the AQA for the Project (Northstar, 2020).

- A dust collection system is used during drilling. Based on technical guidance this reduces dust generated during drilling by 90%.
- The dust collection system on the drill rig will be regularly serviced to ensure it remains effective.
- A water truck will be used for dust mitigation purposes.
- As a minimum, Level 1 watering (which means applying 1 litre of water per square metre of road surface) will be used on any dry or visibly dusty unpaved haul roads when in use. Based on technical guidance this will reduce dust generated during drilling by 50% or more compared to not watering.
- Misting water sprays will be used during processing activities (crushing and screening). Based on technical guidance this will reduce dust generated during processing by 77% while crushing and 91% while screening relative to not using water sprays.
- Water sprays will also be used on transfer points. Based on technical guidance this will reduce dust generated during material transfer by 50% relative to not using water sprays.
- Rock boxes and dust covers will be used on conveyor belts as standard practice.
- Blasting and secondary rock breakage will be limited during periods of high winds or extremely dry weather, when it is practical to do so.
- All plant and equipment will be washed down before any maintenance.
- Should operations reach a peak of 470 tonnes per hour, overburden handling will not be undertaken while fresh rock is being removed and transported within the premises.
- Housekeeping on site will include washing down only, with no blowing or sweeping.
- Appropriate care will be taken to avoid spillage during loading.
- Each truck cover will be fully extended on laden vehicles before each truck leaves the Quarry Site.
- All vehicles travelling on the Quarry access road will be limited to a speed no greater than 30km/hr.
- All vehicles travelling on internal unsealed roads within the Quarry Site will be limited to a speed no greater than 10km/hr

- All unsealed internal roads will be surfaced with appropriate materials to limit dust lift-off and graded, when necessary.
- A rumble grid (similar to a cattle grid) has been installed along the Quarry Access
- Road to remove dirt that may be within tyre treads and that may eventually track dirt onto the public road network.
- A bitumen seal will be applied and regularly maintained along the first 785m of the Quarry Access Road prior to the commencement of Quarry operations.
- All Quarry personnel will be provided with induction and training on procedures to minimise dust. Training will also be complemented by ‘toolbox talk’ meetings that regularly cover environmental management on site.

Based on the air quality monitoring results considered in this report, the adopted management measures from the AQMP are considered to be effective in maintaining air quality below the adopted criteria and within the predicted impact level.

4.3.2 AQMP Trigger Action Response

The Trigger Action Response scenarios from Section 5 of the Air Quality Management Plan and the response/action taken in the monitoring period is outlined in **Table 8**.

Table 8: Trigger action response scenarios and action taken

Trigger Action Response scenarios	Response/action taken
Exceedance of air quality criteria	<ul style="list-style-type: none"> • Exceedance of the short-term (24-hour) PM_{2.5} concentration criteria occurred once in the monitoring period on the 19th of August. • The source of the exceedance was investigated and determined to be caused by burning off being undertaken on surrounding properties. • No further action required • No other air quality exceedances were recorded in the monitoring period.
Complaints relating to air quality received from the community or a regulatory authority	<p>Air quality complaints in the monitoring period and response actions are summarized as follows:</p> <ul style="list-style-type: none"> • Visible dust travelling beyond western site boundary after controlled blasting 2/9/2021: <ul style="list-style-type: none"> ○ Internal investigation undertaken ○ Weather and air monitoring data reviewed with a short-term spike identified immediately following blasting but returned to normal levels in the minutes thereafter. No exceedance of 24-hour PM₁₀ concentration was measured. Dust was determined to be generated by a shift in wind speed/direction immediately following blasting ○ Adjacent landowner notified of the above. ○ Detailed report issued to the EPA • Adjacent landowner at eastern boundary noted visible dust from haulage operations 16/6/2022: <ul style="list-style-type: none"> ○ Internal investigation undertaken ○ Weather and air monitoring data reviewed. No exceedance of 24-hour PM_{2.5} concentration detected. Dust was determined to be related to a breakdown of the site watercart. ○ Watercart repaired ○ Adjacent landowner notified of the above. • Dust complaints through EPA environment line 28/6/2022: <ul style="list-style-type: none"> ○ Internal investigation undertaken ○ Complaint was determined to be related to the prior complaint on the 16/6/2022

	<ul style="list-style-type: none"> ○ Weather and air monitoring data reviewed. No exceedance of 24-hour PM2.5 concentration detected. Dust was determined to be related to a breakdown of the site watercart. ○ Detailed report issued to the EPA
<p>Triggering of internal air quality investigation trigger value</p>	<ul style="list-style-type: none"> ● When dust levels reach a pre-determined trigger value (approximately 80% of the adopted criteria) - Email alerts are sent to the Quarry Management Team and the SEE Group Environmental Manager. ● The does not represent an exceedance of air quality criteria but is used as a trigger for Quarry personnel to review and potentially modify operations with regards dust generation.
<p>Adverse weather conditions</p>	<p>It is noted that air quality criteria still apply during adverse weather conditions such as high winds or extremely hot and dry periods. Should local weather predictions include the potential for adverse weather conditions, DMC will limit or modify operational activities, based on weather predictions to minimise the potential of air quality impacts and ensure compliance during these periods.</p> <ul style="list-style-type: none"> ● When wind speeds reach a pre-determined trigger value (30km/hr) - Email alerts are sent to the Quarry Management Team and the SEE Group Environmental Manager (screenshot example below). ● This is used as a trigger for Quarry personnel to review and potentially modify operations with regards wind speed and related dust generation. 
<p>Extraordinary events or conditions such as bushfires, prescribed burning, dust storms, and fire incidents etc.</p>	<ul style="list-style-type: none"> ● As noted above - Exceedance of the short-term (24-hour) PM2.5 concentration criteria occurred on the 19th of August. ● The source of the exceedance was investigated and determined to be caused by burning off being undertaken on surrounding properties. ● No further action required

5 Conclusion

The air monitoring program is deemed to have achieved the requirements of the PRP based on the following:

1. Real-time PM_{2.5} data has been collected at the premises;
2. The data has been used to inform dust management practices at the premises;
3. The data has been collected and recorded so it is accessible to an authorised EPA officer when requested
4. Air quality data collected at the premises was measured well below the adopted long-term (annual average) criteria/guidelines for PM₁₀, PM_{2.5} and Dust Deposition.
5. Air quality data collected at the premises was measured well below the adopted short-term (24-hour average) criteria/guidelines for PM₁₀ and PM_{2.5}. The 24-hour average PM_{2.5} concentration was exceeded on a single day (30.2 µg/m³ on 19th August at the western gauge) which was recorded during burning off activities undertaken on neighbouring properties and was not deemed to be related to quarry dust.
6. The data collected has been utilised in implemented the Air Quality Management Plan for the Quarry.

6 References

Northstar Air Quality Pty Ltd (2020). Dowe's Quarry Air Quality Assessment, prepared for Darryl McCarthy Constructions Pty Ltd, March 2020.

Northstar Air Quality Pty Ltd (2021). Dowe's Quarry Air Quality Monitoring Study, prepared for Darryl McCarthy Constructions Pty Ltd, April 2021.

Todoroski Air Sciences (2021). Independent Review of Human Health Risk Assessment prepared by Todoroski Air Sciences.

R.W. Corkery & Co. Pty Limited (2019). Environmental Impact Statement for the Expansion of the Dowe's Quarry via Tenterfield, prepared for Darryl McCarthy Constructions Pty Ltd, October 2019.

EnRisks (2020). Human Health Risk Assessment for Respirable Crystalline Silica: Expansion of Dowe's Quarry, prepared for R. W. Corkery & Co. Pty Limited by EnRisks, March 2020.

Appendix A.

Air Quality Monitoring Study prepared by Northstar Air Quality Pty Ltd

Appendix B.

Air Quality Monitoring Data

Appendix B1 – PM₁₀ data east

Appendix B2 – PM₁₀ data west

Appendix B3 – PM_{2.5} data east

Appendix B4 – PM_{2.5} data west

Appendix B1; Weather Station: DMC Doves East PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
4/06/2021	9:00:00	18.3	8.3	3.3	262.2	W	50	30.8	5.7	262.3	1
5/06/2021	9:00:00	23.6	7.7	4.6	265.8	W	36.7	36.7	6.7	259.3	4.5
6/06/2021	9:00:00	12.1	3.2	2.2	280.2	W	66.3	18.9	1.9	267.4	6.1
7/06/2021	9:00:00	9.9	2.4	2	26.3	NNE	77.2	14.2	0.6	302.5	4.6
8/06/2021	9:00:00	11.5	3	1.9	74.8	ENE	98.4	21.3	0.2	252.8	15.3
9/06/2021	9:00:00	26.4	10.1	4.3	317.3	NW	60.9	42.6	5.8	332	1.2
10/06/2021	9:00:00	25.4	9.9	4	253.9	WSW	32.2	43.8	8.5	252.5	0.9
11/06/2021	9:00:00	26.4	8.9	4.1	259.6	W	42.8	45	6.6	268.7	1
12/06/2021	9:00:00	20.8	7.1	3	250.3	WSW	25.1	31.9	6.5	247.4	0.9
13/06/2021	9:00:00	19.9	9.5	2.6	245.5	WSW	19.7	33.1	8.9	244.1	0.9
14/06/2021	9:00:00	19.8	5.1	4.2	267.7	W	53.9	31.9	4.2	252.6	4.4
15/06/2021	9:00:00	19.5	4.5	3.7	306.9	NW	84.7	34.3	2.4	255.1	1
16/06/2021	9:00:00	15.1	3.8	2.5	286	WNW	70.7	24.9	2.2	259.7	14.3
17/06/2021	9:00:00	24.5	6.6	4.1	294.1	WNW	70.1	40.2	3.5	300.8	1.1
18/06/2021	9:00:00	24.6	12.1	2.9	239.9	WSW	17.8	41.4	11.5	239	0.9
19/06/2021	9:00:00	27	12.6	3.9	249.3	WSW	22.2	49.7	11.7	248.3	0.9
20/06/2021	9:00:00	21.1	7.8	4.1	263.5	W	43.7	35.5	6.6	261.3	2.8
21/06/2021	9:00:00	18	4.3	4	60.1	ENE	65.4	23.7	2.7	107.4	3.6
22/06/2021	9:00:00	15.1	5.3	2.5	79.6	E	28.2	20.1	4.7	82.8	0.9
23/06/2021	9:00:00	20	8.1	4.6	78.2	ENE	26.9	34.3	7.4	85.5	0.9
24/06/2021	9:00:00	14.7	4.8	3.3	49.4	NE	72.1	21.3	2.8	45.9	4
25/06/2021	9:00:00	18.6	6.8	3.5	282	WNW	53.6	39	4.7	288.8	1
26/06/2021	9:00:00	14.8	5.2	2.2	258.1	WSW	27.9	21.3	4.6	254.3	1.2
27/06/2021	9:00:00	21.9	5.2	3.6	274.3	W	61.2	37.9	3.8	261.9	2
28/06/2021	9:00:00	11.3	3.1	2.2	38.1	NE	56.7	20.1	1.7	45.4	5.9

Appendix B1; Weather Station: DMC Doves East PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
29/06/2021	9:00:00	19.4	8.1	4.5	93	E	34.6	28.4	7.5	101.9	2.8
30/06/2021	9:00:00	23.8	9.5	3.7	89.3	E	18.4	33.1	9.1	92.5	2.8
1/07/2021	9:00:00	18.2	8.2	3.2	81.2	E	17.4	28.4	7.8	79.8	2.8
2/07/2021	9:00:00	16.1	5.2	3.1	69.7	ENE	45.6	23.7	4.4	67.7	2.7
3/07/2021	9:00:00	20.1	3.5	2.7	335.9	NNW	83.4	26	1.2	323.9	9.8
4/07/2021	9:00:00	9.5	3.1	1.5	256.7	WSW	37.8	14.2	2.5	257	6.2
5/07/2021	9:00:00	10.4	3.8	2.2	323.5	NW	76.8	16.6	1.2	351.6	4.8
6/07/2021	9:00:00	14.5	4.8	3.2	304.2	NW	70	23.7	3.3	272.7	2.4
7/07/2021	9:00:00	11.9	3.3	2.2	350.1	N	65.5	17.8	1.3	319.5	2.3
8/07/2021	9:00:00	14.1	3.8	3.3	60.3	ENE	56.2	20.1	2.8	68.7	5.4
9/07/2021	9:00:00	16.1	5.6	2.7	64.9	ENE	44.5	20.1	4.2	59.5	2.4
10/07/2021	9:00:00	36.2	10.2	3.9	255.1	WSW	32.6	56.8	8.9	252.9	2.6
11/07/2021	9:00:00	29.2	9.5	7	268.3	W	74	45	7.2	245.1	2.4
12/07/2021	9:00:00	19.9	5.5	4.7	60.7	ENE	41.8	29.6	4.3	86.9	4.2
13/07/2021	9:00:00	11.9	3.8	2.7	18.9	NNE	94.2	17.8	1.2	56.3	12.9
14/07/2021	9:00:00	15.7	4.4	2.9	258.9	W	57.1	22.5	3	253.2	5.3
15/07/2021	9:00:00	21.9	6.6	4.1	291.6	WNW	57.9	36.7	4.6	295.3	2.6
16/07/2021	9:00:00	29.9	12.2	5.5	294.4	WNW	42.2	52.1	9.8	301.1	3.1
17/07/2021	9:00:00	22.3	9.3	3.2	255	WSW	30.5	40.2	8.1	255.2	3.1
18/07/2021	9:00:00	22.5	11.2	3.7	261.2	W	26.6	47.3	10	259.5	3
19/07/2021	9:00:00	21.1	5.6	3.6	261.9	W	48	29.6	4.5	255.6	3.4
20/07/2021	9:00:00	22.2	8.4	3.2	256.4	WSW	31.6	39	7.2	255.9	2.1
21/07/2021	9:00:00	28.5	12.3	4.5	247.7	WSW	22.1	52.1	11.5	246.1	2.1
22/07/2021	9:00:00	25.7	7.4	5.9	273.1	W	56.3	43.8	6	256.6	2.9
23/07/2021	9:00:00	15.4	4.8	3.1	51.1	NE	72.9	21.3	2.6	53.6	2.2

Appendix B1; Weather Station: DMC Doves East PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
24/07/2021	9:00:00	18.9	6	3.3	256.8	WSW	57.9	28.4	3.9	267.7	4.4
25/07/2021	9:00:00	25.1	12.6	4.3	245.3	WSW	21.8	43.8	11.7	243.3	2
26/07/2021	9:00:00	30.7	12.4	6.4	261	W	30.8	54.4	11.2	252.8	2
27/07/2021	9:00:00	18.5	4.9	3.4	288.7	WNW	59.3	26	3.8	269.9	2.9
28/07/2021	9:00:00	14.9	5.3	2.9	264.1	W	56.9	23.7	3.7	259	1.9
29/07/2021	9:00:00	23.1	9.2	4.2	288.2	WNW	49.3	36.7	6.7	295.2	2.3
30/07/2021	9:00:00	27.6	6.5	6	318	NW	87.9	45	4.1	246.2	2.1
31/07/2021	9:00:00	16.9	4.9	4	33.7	NNE	65.3	24.9	2.8	56.2	2.2
1/08/2021	9:00:00	16.4	6	3	248.2	WSW	42.7	36.7	4.6	245.8	2.6
2/08/2021	9:00:00	20.1	5.4	4.6	295.4	WNW	76.4	34.3	2.5	285.8	12.3
3/08/2021	9:00:00	22.4	9.4	3.2	65.9	ENE	57.3	39	5.7	62.4	6.5
4/08/2021	9:00:00	33.8	10.8	4	260.3	W	33.1	55.6	8.9	264.5	3
5/08/2021	9:00:00	30.6	12.6	4.5	251.9	WSW	24.1	47.3	11.6	249.3	2.2
6/08/2021	9:00:00	20.5	7.8	3.9	260.3	W	36.3	35.5	6.7	258.5	3.2
7/08/2021	9:00:00	14	4.2	2.8	275.3	W	68.2	22.5	2.7	269	5.5
8/08/2021	9:00:00	17.9	6.2	2.9	287.7	WNW	70	28.4	3.5	266.9	3
9/08/2021	9:00:00	19.8	8.3	4	88.3	E	23.6	28.4	7.7	92	2.4
10/08/2021	9:00:00	20.4	7.5	4.4	77	ENE	21.5	27.2	6.9	76.1	3.6
11/08/2021	9:00:00	16.1	4.6	3	71.3	ENE	55.9	28.4	3.3	67.6	9
12/08/2021	9:00:00	16.8	4.6	3	325.5	NW	77.3	22.5	1.9	331.4	8.7
13/08/2021	9:00:00	17	4.4	3.3	342.6	NNW	91.8	29.6	1.7	274.2	24.4
14/08/2021	9:00:00	16.2	2.9	2.4	28.1	NNE	59.3	27.2	1.3	49	27.5
15/08/2021	9:00:00	16.7	3.4	2.8	337.1	NNW	77.2	28.4	0.9	274	27.6
16/08/2021	9:00:00	21.4	5.6	3.6	281.2	W	59.4	36.7	3.8	271.2	3.3
17/08/2021	9:00:00	21.6	7.6	3.9	264.6	W	46	41.4	6.3	259.7	2.4

Appendix B1; Weather Station: DMC Doves East PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
18/08/2021	9:00:00	18	4.5	3.2	29.2	NNE	90.3	23.7	0.8	258.4	3
19/08/2021	9:00:00	15.7	6.6	3.1	70.3	ENE	25.3	22.5	5.9	70.9	4.1
20/08/2021	9:00:00	14.6	3.6	2.9	57.2	ENE	58.2	22.5	2.3	62	8.6
21/08/2021	9:00:00	14.7	4.4	3.1	303.8	NW	79.4	23.7	2.6	261.8	2.5
22/08/2021	9:00:00	23.8	4.6	4.3	353.6	N	86.7	34.3	2.3	267.8	11.5
23/08/2021	9:00:00	16.1	4.2	2.2	225.6	SW	67	23.7	2.3	231.9	6.9
24/08/2021	9:00:00	28.7	13.4	4.4	1.2	N	46.7	42.6	10	4.3	2.4
25/08/2021	9:00:00	27.6	14	4.4	251.8	WSW	25.2	52.1	12.8	249.8	2.2
26/08/2021	9:00:00	23.7	7.9	5.4	256.5	WSW	41.2	37.9	6.8	251.8	2.7
27/08/2021	9:00:00	16.6	5.7	3.1	256.7	WSW	46.5	24.9	4.5	251.7	2.5
28/08/2021	9:00:00	28.9	8.9	5	249.7	WSW	28.9	46.1	7.9	247	2
29/08/2021	9:00:00	25.2	6.2	5.9	305.9	NW	83.8	37.9	4.2	251.2	1.9
30/08/2021	9:00:00	19.2	7.9	4.2	270.8	W	60.1	36.7	5.5	267.5	2.1
31/08/2021	9:00:00	17	4.5	3.2	296.4	WNW	82.2	26	2.3	264.2	1.9
1/09/2021	9:00:00	18.8	4.2	3.7	344	NNW	70	27.2	2.4	312.3	3.3
2/09/2021	9:00:00	17.5	7.2	2.9	69.3	ENE	58.4	23.7	4.5	72	5.6
3/09/2021	9:00:00	21.3	11.7	3.5	77.7	ENE	16.2	29.6	11.3	78.5	2.1
4/09/2021	9:00:00	21.2	7.2	5.1	74.8	ENE	41.2	35.5	6.3	70.5	4.1
5/09/2021	9:00:00	17.5	4.9	3.1	289	WNW	94.4	24.9	1.5	351.5	2.3
6/09/2021	9:00:00	27.2	8.5	3.6	263.6	W	36.6	49.7	7.2	261.2	2
7/09/2021	9:00:00	19.2	4.9	3.6	274.5	W	71.2	28.4	3.2	262.4	3
8/09/2021	9:00:00	17.9	5.6	3.3	296.3	WNW	87.3	27.2	1.6	262.2	2.3
9/09/2021	9:00:00	15.4	4.9	3.3	45.4	NE	62.5	24.9	3	60.1	7.4
10/09/2021	9:00:00	15.3	6	2.7	257.8	WSW	33	29.6	5.1	255.9	3.4
11/09/2021	9:00:00	19.1	4.5	3.6	330.8	NNW	89	29.6	2.3	258.7	5.3

Appendix B1; Weather Station: DMC Doves East PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
12/09/2021	9:00:00	20.4	6.6	3.7	274.1	W	54.3	35.5	4.5	276.8	12.3
13/09/2021	9:00:00	20.9	7.6	4.2	287.1	WNW	56.9	35.5	5.2	293	2.7
14/09/2021	9:00:00	24.6	8.3	5.1	268.1	W	50.3	43.8	6.6	261.1	2.6
15/09/2021	9:00:00	30.4	8.2	6.8	239.4	WSW	61.4	43.8	6.4	230.4	1.8
16/09/2021	9:00:00	19.1	5.4	3.5	56.8	ENE	77.6	28.4	0.7	101.7	3.4
17/09/2021	9:00:00	18.2	6.3	3.1	63.3	ENE	56	33.1	3.8	68.4	1.9
18/09/2021	9:00:00	14.1	3.7	3	21.4	NNE	98.5	21.3	0.6	244.1	2.6
19/09/2021	9:00:00	21.7	5.7	4.5	301	WNW	72	31.9	3.3	294.4	3.1
20/09/2021	9:00:00	23	5.3	4.4	261.7	W	94.7	31.9	1.1	231.8	2.3
21/09/2021	9:00:00	26.1	7.4	3.9	266.7	W	32.1	40.2	6.1	265.7	3.5
22/09/2021	9:00:00	33.5	10.3	6.9	257.1	WSW	49.6	53.3	8.5	244.6	2
23/09/2021	9:00:00	18.9	4.4	3.7	63.5	ENE	87.1	26	0.9	186.3	5.2
24/09/2021	9:00:00	16.2	5.1	3.5	274.4	W	71.3	26	3.1	257.1	2
25/09/2021	9:00:00	24.8	6.8	5.2	255.1	WSW	57.9	40.2	5.2	254	3
26/09/2021	9:00:00	24.3	7	4.9	325.3	NW	97.9	36.7	2.4	241.8	3.3
27/09/2021	9:00:00	21.1	12.3	2.6	89	E	20	29.6	11.6	89.5	3.9
28/09/2021	9:00:00	19.5	10.8	2.7	66.1	ENE	18.4	28.4	10.3	66.4	1.8
29/09/2021	9:00:00	18.3	6.4	3.9	71.2	ENE	47.2	26	5.2	65.8	1.9
30/09/2021	9:00:00	26.8	6.3	4.3	32.1	NNE	68	40.2	3.6	33.9	1.8
1/10/2021	9:00:00	21.6	5.3	3.7	327.8	NNW	81	33.1	2.2	331.3	4.7
2/10/2021	9:00:00	20.7	4.8	3.9	289	WNW	62.4	31.9	2.7	277.4	4.2
3/10/2021	9:00:00	22.8	9.4	3.5	249.6	WSW	21.5	37.9	8.7	248.4	1.9
4/10/2021	9:00:00	33	9.1	6.9	269.9	W	55.9	48.5	6.7	260.4	1.9
5/10/2021	9:00:00	25.5	10.2	5.1	248.9	WSW	27.3	46.1	9.1	250.1	2.7
6/10/2021	9:00:00	28.5	10.1	5.8	255.3	WSW	44.1	47.3	8.6	250.8	3.1

Appendix B1; Weather Station: DMC Doves East PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
7/10/2021	9:00:00	16.2	4.3	3	276.3	W	97.2	27.2	0.9	236.3	3.6
8/10/2021	9:00:00	21.3	6.1	3.3	269.1	W	44.4	35.5	4.5	276.7	7.8
9/10/2021	9:00:00	17.2	6.8	3.2	68.7	ENE	36.6	26	5.7	71	10.3
10/10/2021	9:00:00	18.2	4.3	2.9	236	SW	82.6	23.7	2.2	237	12.4
11/10/2021	9:00:00	19.6	8.1	3.3	305.8	NW	46.4	29.6	6.1	309.7	9
12/10/2021	9:00:00	15.8	6.3	2.8	54.4	NE	83.3	26	2.2	70.4	3.9
13/10/2021	9:00:00	21.7	10.1	3.1	90.8	E	25	29.6	9.2	92.8	1.9
14/10/2021	9:00:00	20.8	11.4	3.3	71.4	ENE	19.8	29.6	10.9	71.9	1.9
15/10/2021	9:00:00	23.3	9.4	4.5	20.9	NNE	64.2	41.4	5.8	7.7	2.3
16/10/2021	9:00:00	25.6	10.1	4.9	261.2	W	31.4	42.6	8.6	257.5	10.6
17/10/2021	9:00:00	32.1	10.9	6.2	255.4	WSW	28.3	53.3	9.8	249.8	2.1
18/10/2021	9:00:00	18.6	5.1	3.5	61.7	ENE	102	26	1.9	243.6	2.1
19/10/2021	9:00:00	23.7	4.8	3.9	6.5	N	68.1	30.8	2.8	25.3	6.4
20/10/2021	9:00:00	21.5	5.5	4	96.4	E	99.6	30.8	1.4	202.3	6.9
21/10/2021	9:00:00	18.6	10.3	2.8	80.1	E	23.3	26	9.6	81	4.2
22/10/2021	9:00:00	22	8.4	4.5	81.1	E	25.6	29.6	7.8	77.1	4.5
23/10/2021	9:00:00	16.7	5.6	3	45	NE	77.5	22.5	2.3	49.4	10.2
24/10/2021	9:00:00	22.3	6.2	3.7	264.6	W	49.8	37.9	4.2	270.2	3.7
25/10/2021	9:00:00	23.7	7.1	5.9	264.1	W	73.1	42.6	5.3	249.9	2.4
26/10/2021	9:00:00	16.2	4.2	3.1	250.1	WSW	54.5	30.8	3	255.6	2.1
27/10/2021	9:00:00	17.6	9	2.5	73.4	ENE	21.4	23.7	8.5	72.4	3.3
28/10/2021	9:00:00	16.4	4.8	3	84.1	E	81.2	27.2	0.8	37.5	14.4
29/10/2021	9:00:00	23.2	7	3.9	280.5	W	58.1	34.3	4.8	287.6	3.9
30/10/2021	9:00:00	16.1	5.5	2.4	260.9	W	40.9	30.8	4.1	265.1	2.3
31/10/2021	9:00:00	26	6.2	5.2	277.6	W	89.5	40.2	2.1	226.7	4.2

Appendix B1; Weather Station: DMC Doves East PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
1/11/2021	9:00:00	19.9	9.9	3.5	77.5	ENE	23.1	27.2	9.1	80.5	2.2
2/11/2021	9:00:00	19.2	7.9	3.3	70.5	ENE	20.8	28.4	7.4	71.8	2.1
3/11/2021	9:00:00	19.7	10.8	2.8	76.7	ENE	18.5	26	10.2	77	2.1
4/11/2021	9:00:00	20.6	8.4	3.6	73.1	ENE	22	26	7.8	72.8	2.1
5/11/2021	9:00:00	17.4	8.9	2.9	80.8	E	21	24.9	8.3	82.3	2.1
6/11/2021	9:00:00	16.2	7.5	2.5	73.6	ENE	20.3	24.9	7.1	74.5	2.1
7/11/2021	9:00:00	14.9	4.9	3.2	81.6	E	58.9	20.1	3.5	81	8.2
8/11/2021	9:00:00	16.1	5	3	265.6	W	70.7	26	2.8	278.6	2.6
9/11/2021	9:00:00	21.6	4.9	4.3	304.3	NW	92.4	35.5	2.8	253.7	4.8
10/11/2021	9:00:00	17.6	7.5	2.9	77.7	ENE	76.5	26	3.2	76.8	4.3
11/11/2021	9:00:00	22.3	5.8	3.3	349	N	83.9	30.8	2.5	0.2	3.2
12/11/2021	9:00:00	25.6	7.3	4.1	288.2	WNW	51	39	5.4	295.5	2.5
13/11/2021	9:00:00	31.4	13.2	3.9	255	WSW	31	50.9	11.4	255.4	4.3
14/11/2021	9:00:00	27.6	11.7	5	247.2	WSW	25.3	47.3	10.5	247.8	2.2
15/11/2021	9:00:00	33.1	11.8	5.1	246.1	WSW	24.2	52.1	10.8	244.2	2
16/11/2021	9:00:00	30	9	5.8	247.3	WSW	33.5	48.5	8.1	244.9	2.9
17/11/2021	9:00:00	25.6	7.9	4.3	55.4	NE	98.7	35.5	0.6	174.6	2.5
18/11/2021	9:00:00	18.9	10.4	2.4	71.7	ENE	19.3	27.2	9.9	72.3	2.5
19/11/2021	9:00:00	17.3	5.1	3.7	91.4	E	71.8	24.9	3.1	76.7	5.7
20/11/2021	9:00:00	15.6	5.1	3	258.3	WSW	44.9	26	3.7	259.4	2.8
21/11/2021	9:00:00	16.5	4.7	3.3	267.4	W	71.7	26	2.6	280	4.1
22/11/2021	9:00:00	16.4	4.7	2.9	293.1	WNW	96.4	28.4	0.9	322.7	2.2
23/11/2021	9:00:00	20	10.7	2.2	90.7	E	15.6	28.4	10.3	90.7	2.1
24/11/2021	9:00:00	19.9	10.1	2.7	87.5	E	18.8	27.2	9.5	87.4	2.1
25/11/2021	9:00:00	17.5	6.6	4	74.6	ENE	30.8	24.9	6.1	73.2	2.2

Appendix B1; Weather Station: DMC Dowes East PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
26/11/2021	9:00:00	14.1	4	2.3	30	NNE	64.1	18.9	2.7	28.6	2.2
27/11/2021	9:00:00	18.9	5	3	349	N	86.7	30.8	1.4	353.4	3.1
28/11/2021	9:00:00	19.5	10.5	2.6	71	ENE	21.6	30.8	9.8	70.5	2.3
29/11/2021	9:00:00	17.3	9.3	2.6	81.5	E	21.6	27.2	8.7	80.5	2.5
30/11/2021	9:00:00	17.8	9.4	2.3	72.6	ENE	19.4	26	8.9	72.5	3.7
1/12/2021	9:00:00	13.3	6.3	2.1	89.4	E	27.9	18.9	5.7	91.4	2.6
2/12/2021	9:00:00	16.6	4.8	2.4	80.7	E	25.3	23.7	4.3	79.4	2.3
3/12/2021	9:00:00	15.1	5.5	3.4	70.6	ENE	28.6	22.5	4.9	76.9	3.2
4/12/2021	9:00:00	16.2	4.5	3.4	68.1	ENE	41.7	22.5	3.4	77.7	4
5/12/2021	9:00:00	24.3	7.1	4.1	104.3	ESE	91	39	1.2	153.5	2.4
6/12/2021	9:00:00	26.4	13.3	3.5	101.9	ESE	17.5	39	12.7	102.7	2.3
7/12/2021	9:00:00	20.2	8.1	3.7	86.6	E	22.4	31.9	7.5	91.3	2.3
\END OF DATA								Annual average (progressive)		4.1	

Appendix B2; Weather Station: DMC Doves West PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
4/06/2021	9:00:00	12.8	4.3	2	256.3	WSW	76.7	26	1.8	261.7	1.4
5/06/2021	9:00:00	11.7	3.2	2.5	256	WSW	79.7	24.9	1.5	249.6	4.7
6/06/2021	9:00:00	7.9	1.7	1.7	186	S	86.9	14.2	0.4	215.2	1.7
7/06/2021	9:00:00	9.6	2	1.5	139.3	SE	91.7	14.2	0.2	176.6	1.8
8/06/2021	9:00:00	10.4	2.2	1.5	151.7	SSE	85.7	16.6	0.5	145.4	4.3
9/06/2021	9:00:00	15.7	5.8	2.8	302.8	WNW	62.3	29.6	3.5	307	1.9
10/06/2021	9:00:00	14.9	6.8	2.2	274.2	W	62.1	34.3	3.9	277.5	1.1
11/06/2021	9:00:00	20.1	7.2	3.4	278.9	W	63.2	40.2	4.6	289.6	1.5
12/06/2021	9:00:00	11.9	3.3	2.1	229.3	SW	71.4	28.4	1.6	237.6	0.8
13/06/2021	9:00:00	11.2	3.9	1.8	225.8	SW	65.8	26	2	230	1.1
14/06/2021	9:00:00	12.7	2.5	2.5	213.1	SSW	88.1	22.5	0.9	244	2.7
15/06/2021	9:00:00	10.4	2.4	2.1	179.6	S	79	18.9	1.1	186.6	1.8
16/06/2021	9:00:00	11.3	2	1.8	160.6	SSE	78.2	16.6	0.6	175.3	10.1
17/06/2021	9:00:00	18.5	4.3	2.8	303.5	WNW	80.3	31.9	2.1	304.9	2.3
18/06/2021	9:00:00	14.9	5.5	2.5	223.9	SW	67.6	33.1	2.8	228.5	1.3
19/06/2021	9:00:00	19.6	6	2.6	231.1	SW	65.3	37.9	3.2	236.6	1
20/06/2021	9:00:00	11.5	3.8	2.3	240.3	WSW	76.2	21.3	1.8	248.9	1.1
21/06/2021	9:00:00	9.2	2.2	1.9	126.9	SE	61.6	17.8	1.7	114.9	1.2
22/06/2021	9:00:00	9.1	3.2	1.2	84.8	E	46.3	16.6	2.4	82.3	1.1
23/06/2021	9:00:00	12.3	3.8	1.8	89.4	E	41.1	21.3	3	88.9	1.3
24/06/2021	9:00:00	10.9	2.8	1.6	91.3	E	80.6	16.6	1	80.8	2.3
25/06/2021	9:00:00	14.8	4.8	2.8	285.6	WNW	71.5	28.4	2.9	295.6	1.4
26/06/2021	9:00:00	8.5	2.4	1.4	263.2	W	73.8	15.4	1.1	267.8	0.8
27/06/2021	9:00:00	11.3	2.3	2.1	221.7	SW	80.7	18.9	0.9	228.8	1

Appendix B2; Weather Station: DMC Doves West PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
28/06/2021	9:00:00	8.2	2.5	1.4	88.2	E	70.4	13	1.4	87.1	1.1
29/06/2021	9:00:00	11.2	3.7	1.5	98.2	E	37.1	18.9	3	100.8	1.2
30/06/2021	9:00:00	14.3	4	1.7	98.8	E	38.6	22.5	3.2	98.5	1.2
1/07/2021	9:00:00	11.8	3.8	1.8	95.8	E	41.1	24.9	2.9	90.8	1.8
2/07/2021	9:00:00	10.9	2.7	1.5	105.5	ESE	61.4	16.6	1.6	89.9	1.1
3/07/2021	9:00:00	13.5	2.1	1.6	150.6	SSE	97.4	21.3	0.1	295.9	4.1
4/07/2021	9:00:00	7	1.3	1.1	236.5	WSW	84.8	9.5	0.5	274.1	3.4
5/07/2021	9:00:00	9	1.7	1.7	60.1	ENE	90.6	14.2	0.6	41	1.5
6/07/2021	9:00:00	9.8	2.5	2	232.1	SW	95.7	18.9	0.6	251	0.9
7/07/2021	9:00:00	8.2	1.5	1.5	183.7	S	87.6	13	0.4	168.2	1.4
8/07/2021	9:00:00	9.1	2.9	1.9	100.8	E	63.1	14.2	2	95.2	1.2
9/07/2021	9:00:00	9.8	3.2	1.6	86.8	E	68.5	16.6	1.7	80	3.1
10/07/2021	9:00:00	17.6	5.2	2.4	247.7	WSW	70.6	31.9	2.5	255.6	0.7
11/07/2021	9:00:00	13.3	3.6	2.7	181.8	S	90.5	28.4	1.2	203.8	1.1
12/07/2021	9:00:00	9.3	3.5	1.5	81.3	E	36.6	22.5	2.9	83.7	3.5
13/07/2021	9:00:00	9.8	2.3	1.8	134	SE	76.5	13	1	106.3	3.5
14/07/2021	9:00:00	10	2.4	2	186	S	80.5	16.6	0.8	187.9	1.8
15/07/2021	9:00:00	17.6	4.9	3.3	287.8	WNW	67.9	34.3	3.3	296.8	1.2
16/07/2021	9:00:00	24.2	9.4	4	299.5	WNW	44.5	45	7.5	300.8	2.6
17/07/2021	9:00:00	17.9	6.5	2.9	273.1	W	63.9	37.9	3.9	279.1	1.4
18/07/2021	9:00:00	17	6.3	3.2	257.6	WSW	67.1	43.8	3.4	262.2	3.2
19/07/2021	9:00:00	13.6	3	2.8	207.8	SSW	85.7	23.7	1.2	241	1.8
20/07/2021	9:00:00	13.9	3.8	1.8	234.6	SW	76.7	27.2	1.6	244.4	1.3
21/07/2021	9:00:00	15.9	6.4	2.3	242.9	WSW	65	30.8	3.4	243.9	1.3

Appendix B2; Weather Station: DMC Doves West PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
22/07/2021	9:00:00	11.8	2.9	2.4	196.5	SSW	76.2	26	1.3	204.6	1.2
23/07/2021	9:00:00	13	3.2	1.7	88.8	E	76.3	21.3	1.2	81.9	1.6
24/07/2021	9:00:00	16.4	4.5	2.8	271.3	W	78.6	28.4	2.5	288.2	0.9
25/07/2021	9:00:00	16	6.6	2.6	243.3	WSW	65.3	39	3.6	244.8	0.8
26/07/2021	9:00:00	19.5	5.9	4.2	246.6	WSW	73.2	45	3.3	244.8	1.5
27/07/2021	9:00:00	13.8	2.4	2.4	220.6	SW	94.8	22.5	0.7	262.1	1.9
28/07/2021	9:00:00	12.2	3.3	2.4	251.5	WSW	88.2	18.9	1.1	275.5	2.2
29/07/2021	9:00:00	17.9	6.1	3.4	291.3	WNW	61	35.5	4.2	295.9	3.3
30/07/2021	9:00:00	14.9	3.2	2.9	173	S	78.8	30.8	1.2	199.9	2.3
31/07/2021	9:00:00	10.9	2.5	2.2	99.7	E	84.5	18.9	1	82.5	2.3
1/08/2021	9:00:00	12.4	3.6	2.2	227.1	SW	84.3	23.7	1.2	244.2	4.7
2/08/2021	9:00:00	14.6	4.4	3.3	158.5	SSE	93.4	33.1	0.7	271.4	5.8
3/08/2021	9:00:00	18.2	5.3	2.6	72.4	ENE	71	33.1	1.8	50	5
4/08/2021	9:00:00	25.7	6.9	3.5	261.1	W	66.4	52.1	3.9	275.8	0.8
5/08/2021	9:00:00	16.5	5.9	3	237	WSW	67.7	39	3.2	237.4	0.9
6/08/2021	9:00:00	14.1	3.6	2.7	232.6	SW	79.2	23.7	1.6	251.8	1
7/08/2021	9:00:00	10.1	2.4	2.1	193.8	SSW	91.2	18.9	0.7	253.3	1.9
8/08/2021	9:00:00	11.8	3	2.2	271.1	W	96	20.1	0.6	294.1	2.1
9/08/2021	9:00:00	13	4.1	1.7	95.8	E	40.6	23.7	3.2	94	3.1
10/08/2021	9:00:00	12.3	4.4	2.2	95.7	E	44.1	23.7	3.2	87.7	4.5
11/08/2021	9:00:00	11.4	3.7	1.5	101	E	55.1	15.4	2.4	99.3	2
12/08/2021	9:00:00	11.5	3.1	2	137	SE	96.8	23.7	0.1	240.9	2
13/08/2021	9:00:00	12.4	2.7	2.3	159.3	SSE	90.1	23.7	0.3	230.9	3.8
14/08/2021	9:00:00	9.7	1.7	1.7	146.7	SSE	76.6	17.8	0.4	121	3.7

Appendix B2; Weather Station: DMC Doves West PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
15/08/2021	9:00:00	9	2	1.8	141.1	SE	89.8	21.3	0.2	203	6.4
16/08/2021	9:00:00	12.7	2.5	2.5	258.8	W	86.5	23.7	0.8	257.5	4.7
17/08/2021	9:00:00	13.3	3.4	2.7	234.4	SW	83.8	31.9	1.4	240	1.4
18/08/2021	9:00:00	10.4	3	1.9	80.1	E	81	16.6	0.5	61.4	3
19/08/2021	9:00:00	11.9	4.2	1.6	83.4	E	45	18.9	3.2	78	3.2
20/08/2021	9:00:00	9.3	2.5	1.6	113.4	ESE	74.6	17.8	1.2	111.9	2.7
21/08/2021	9:00:00	10.4	2.3	2	183.9	S	84.4	21.3	0.6	218	3
22/08/2021	9:00:00	13.1	3	2.6	185.1	S	83.3	22.5	0.8	218.6	3.9
23/08/2021	9:00:00	9.1	3.5	1.8	167.8	SSE	74.5	17.8	1.6	169.4	8.1
24/08/2021	9:00:00	21	7.1	2.8	326.8	NNW	57.4	37.9	4.5	324.9	3.1
25/08/2021	9:00:00	20.7	8	3	242.7	WSW	63.7	41.4	4.4	246.4	0.7
26/08/2021	9:00:00	17.7	3.7	3.3	231.6	SW	77.7	30.8	1.8	244.6	1.2
27/08/2021	9:00:00	10.5	2.3	2.1	260.6	W	84.5	20.1	1	268	1.4
28/08/2021	9:00:00	15.5	3.8	3.3	169.8	S	95	29.6	1.4	228.5	1.2
29/08/2021	9:00:00	14.7	3.4	3.1	180.4	S	77.7	28.4	1.4	207.1	1.5
30/08/2021	9:00:00	14.5	4.8	2.9	254.8	WSW	87.1	24.9	1.9	267.6	3.6
31/08/2021	9:00:00	13.5	2.4	2.2	203.2	SSW	79.8	21.3	0.9	196.7	2.6
1/09/2021	9:00:00	14.3	3.2	2.7	198.6	SSW	95.9	28.4	0.8	264.4	5.7
2/09/2021	9:00:00	10.7	4.3	1.7	74.7	ENE	65.4	21.3	2.2	69.4	7.8
3/09/2021	9:00:00	15.6	5.1	2	88.1	E	41.8	26	3.9	85.1	2.8
4/09/2021	9:00:00	14.2	4.1	2.2	96.7	E	52.3	27.2	2.7	86	3.3
5/09/2021	9:00:00	10.8	3.1	1.8	202.9	SSW	102.3	17.8	0.4	309.6	3
6/09/2021	9:00:00	16.3	4.6	3.1	254.6	WSW	73.7	28.4	2.3	267.4	0.9
7/09/2021	9:00:00	13	2.8	2.6	217.2	SW	91.1	24.9	0.9	261.8	1.6

Appendix B2; Weather Station: DMC Doves West PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
8/09/2021	9:00:00	10.5	2.6	2.1	149.3	SSE	97.5	20.1	0.2	95.2	4
9/09/2021	9:00:00	11.5	3	2	64.5	ENE	78.5	20.1	1.5	66.7	7
10/09/2021	9:00:00	11.4	2.6	2.1	261.5	W	86.6	18.9	1.2	275.9	5.8
11/09/2021	9:00:00	12.8	3.1	2.6	200.2	SSW	86.6	23.7	0.7	243.8	7.6
12/09/2021	9:00:00	15	4.8	3.3	281.4	WNW	69.8	33.1	3	292.4	19.1
13/09/2021	9:00:00	17.4	5.6	3.2	290.5	WNW	79.1	39	3	296.6	6
14/09/2021	9:00:00	15.4	4.1	3.6	261.5	W	81.5	33.1	1.9	262.4	4.8
15/09/2021	9:00:00	13.1	2.5	2.3	209.1	SSW	87.3	28.4	0.8	220.3	2.1
16/09/2021	9:00:00	11.5	3.4	1.8	77.2	ENE	80.8	17.8	0.8	64.3	2.3
17/09/2021	9:00:00	12.1	4.1	2	63	ENE	62	17.8	2.5	60.7	2.4
18/09/2021	9:00:00	10.4	2.7	1.9	176.7	S	97	21.3	0.2	237.5	4.1
19/09/2021	9:00:00	17.8	3.9	3.5	284.5	WNW	97	31.9	1.7	299.1	7
20/09/2021	9:00:00	11.7	3	2.4	155.9	SSE	81.4	20.1	0.6	162.9	5.1
21/09/2021	9:00:00	15.3	3.9	3.4	308	NW	83.3	27.2	2	286.1	6.7
22/09/2021	9:00:00	17.3	3.7	3.1	247.5	WSW	85.3	36.7	1.5	244.3	2.2
23/09/2021	9:00:00	10.3	2.9	1.9	138.7	SE	83.7	16.6	0.7	137.1	4.5
24/09/2021	9:00:00	12.8	2.6	2.5	196.1	SSW	83.3	21.3	0.8	244.4	5.1
25/09/2021	9:00:00	17.6	4.6	3	213	SSW	85.4	27.2	1.5	239.2	8.2
26/09/2021	9:00:00	14.7	3.9	2.3	112.6	ESE	88	28.4	0.5	134.1	9
27/09/2021	9:00:00	13.4	6	1.7	94.7	E	42.4	23.7	4.6	93.3	5.8
28/09/2021	9:00:00	14.4	6	2.3	68.6	ENE	42.8	21.3	4.7	64.1	2
29/09/2021	9:00:00	12.2	4.1	1.9	92.1	E	60.8	18.9	2.5	82.9	2.7
30/09/2021	9:00:00	13.8	3.5	2.5	48.1	NE	85.9	24.9	1.3	48.2	1
1/10/2021	9:00:00	18.6	3.4	2.5	298.4	WNW	99.5	27.2	0.9	304.7	2.8

Appendix B2; Weather Station: DMC Doves West PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
2/10/2021	9:00:00	18.4	2.8	2.9	195.7	SSW	91.4	31.9	0.9	274.1	1.8
3/10/2021	9:00:00	14.5	4.5	2.8	221.1	SW	64	29.6	2.4	230.8	1.8
4/10/2021	9:00:00	26.7	5.7	4.6	218.7	SW	85.1	48.5	2.4	259.3	4.1
5/10/2021	9:00:00	21.1	6.3	3.7	248.8	WSW	69.4	37.9	3.4	260.7	6.7
6/10/2021	9:00:00	17.5	5.1	3.6	249.2	WSW	78.1	34.3	2.4	253.1	4.9
7/10/2021	9:00:00	10.1	3.1	2	155.9	SSE	82.5	17.8	0.9	149.7	10.1
8/10/2021	9:00:00	16.6	3.1	3	287.9	WNW	86.2	28.4	1.8	295.7	13.1
9/10/2021	9:00:00	11.6	4	2.1	77.1	ENE	51.2	22.5	2.9	70.7	14.5
10/10/2021	9:00:00	10.6	3.4	1.9	167.2	SSE	80	16.6	1.2	168.9	9.3
11/10/2021	9:00:00	15.5	5.8	2.7	296.2	WNW	57.5	27.2	4	298.5	16.2
12/10/2021	9:00:00	11.1	3.4	2	78.4	ENE	83.8	17.8	1.1	65	4.6
13/10/2021	9:00:00	11.5	4.5	1.7	96.8	E	38.2	21.3	3.6	97.2	0.8
14/10/2021	9:00:00	16.1	5.8	2.4	74.5	ENE	44.3	24.9	4.5	69.1	1.5
15/10/2021	9:00:00	21.1	6.2	3.4	6.2	N	87.3	47.3	2.6	332.8	3.4
16/10/2021	9:00:00	19.1	6.1	3.7	271.9	W	72.5	37.9	3.3	269.2	15.4
17/10/2021	9:00:00	16.2	5.1	3.7	234.6	SW	73.6	33.1	2.7	237.4	2.4
18/10/2021	9:00:00	11.6	3.5	2	139.6	SE	88.9	18.9	0.4	166.6	4.9
19/10/2021	9:00:00	13.1	2.4	2.2	84.8	E	87.4	24.9	0.9	40.9	2.7
20/10/2021	9:00:00	11.7	3.3	2	134.8	SE	82.6	20.1	0.8	128.2	3.9
21/10/2021	9:00:00	11.7	4.9	1.8	82.9	E	54.5	20.1	3.3	80.2	3.9
22/10/2021	9:00:00	14.4	4.6	2.2	93.6	E	46.1	24.9	3.4	83	2
23/10/2021	9:00:00	13	3.7	2.2	71.3	ENE	85.3	21.3	1.2	51.2	6.2
24/10/2021	9:00:00	16.6	3.9	3	275.1	W	91.9	28.4	1.6	280.3	7.1
25/10/2021	9:00:00	14.4	3.7	3.3	233.4	SW	95.6	34.3	1.4	247.4	5.9

Appendix B2; Weather Station: DMC Doves West PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
26/10/2021	9:00:00	15.4	3.4	2.8	196.7	SSW	86.7	27.2	1	249.5	1.4
27/10/2021	9:00:00	12.3	4.9	2.2	72.7	ENE	46.1	20.1	3.7	66.9	6.3
28/10/2021	9:00:00	12.6	3.6	2.3	114.3	ESE	88.8	22.5	0.5	38.9	8.4
29/10/2021	9:00:00	17	4.9	3.3	284	WNW	74.5	35.5	2.9	294.8	7.8
30/10/2021	9:00:00	14.9	3.6	2.5	293.8	WNW	67.5	23.7	2.4	297.9	2.4
31/10/2021	9:00:00	19.4	2.9	2.6	179.7	S	90.7	43.8	0.4	176.4	6
1/11/2021	9:00:00	12.8	4.9	2.1	79.7	E	43.2	21.3	3.7	77	2.4
2/11/2021	9:00:00	12.4	4.2	2.1	80.1	E	45.7	20.1	3.1	74.3	3
3/11/2021	9:00:00	11.6	5.2	2	79.2	E	43.5	23.7	3.9	76.7	3.7
4/11/2021	9:00:00	12.5	4.9	2.3	78.7	ENE	48.4	21.3	3.6	70.9	3.3
5/11/2021	9:00:00	10.8	4.4	1.7	84.1	E	45.4	20.1	3.3	82	3.4
6/11/2021	9:00:00	11.7	3.8	1.7	81	E	43.9	20.1	2.9	76.1	1.7
7/11/2021	9:00:00	11.5	3.4	1.9	99.5	E	62.8	17.8	2.2	87.9	2.1
8/11/2021	9:00:00	12	3.4	2.1	243.9	WSW	88.8	21.3	1.3	279	4.2
9/11/2021	9:00:00	13.7	3	2.9	172.8	S	85.8	29.6	0.8	232	1.7
10/11/2021	9:00:00	11	4.1	1.8	77.7	ENE	76.1	18.9	1.8	67	3.9
11/11/2021	9:00:00	16.8	3.5	2.4	332.2	NNW	85.5	26	1.5	328.6	3.1
12/11/2021	9:00:00	19.1	6.3	3.4	297.5	WNW	59.6	36.7	4.5	300.3	1.4
13/11/2021	9:00:00	22.2	9	3.1	257.8	WSW	62.4	49.7	5.2	265.6	6.5
14/11/2021	9:00:00	19.2	6.9	3.6	231.5	SW	66.3	45	3.6	246	2.6
15/11/2021	9:00:00	17.7	6.5	3	240.4	WSW	66.3	35.5	3.4	243	3.6
16/11/2021	9:00:00	16.3	4.5	3.7	212.3	SSW	84.9	37.9	1.9	236.7	4.6
17/11/2021	9:00:00	11.8	3.9	2.3	95.5	E	88.6	22.5	0.4	84.5	4.4
18/11/2021	9:00:00	11.7	5.1	1.9	73.3	ENE	44.9	21.3	3.8	70.7	5.4

Appendix B2; Weather Station: DMC Doves West PM10

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

;Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM10)
19/11/2021	9:00:00	11.7	2.9	2.4	97.6	E	77.5	18.9	1.3	62.8	4.3
20/11/2021	9:00:00	10.8	3.5	2.5	224.5	SW	87.5	21.3	1.2	267.6	5.9
21/11/2021	9:00:00	12.9	3.2	2.8	251.4	WSW	90.3	23.7	1.5	288.5	5.5
22/11/2021	9:00:00	17.6	3.2	2.5	314.6	NW	102.2	28.4	0.8	312	0.9
23/11/2021	9:00:00	12.3	4.6	1.5	96.4	E	39.2	22.5	3.6	96	0.8
24/11/2021	9:00:00	10.9	4.1	1.5	96.9	E	42.3	18.9	3.1	94.7	1.1
25/11/2021	9:00:00	10.9	3.4	2	96.4	E	51.7	21.3	2.4	85.1	0.9
26/11/2021	9:00:00	9.8	2.6	1.5	3.6	N	95.1	15.4	0.7	346.6	4
27/11/2021	9:00:00	11.7	3.1	2.3	34.3	NE	95.3	23.7	0.8	342.7	5.6
28/11/2021	9:00:00	13.9	5.7	2.3	73.7	ENE	42.9	24.9	4.4	68.7	5.3
29/11/2021	9:00:00	12	4.2	1.8	87	E	43.7	21.3	3.2	81.7	2
30/11/2021	9:00:00	11.5	4.7	1.9	78	ENE	44.4	18.9	3.6	72.9	6.5
1/12/2021	9:00:00	8.4	2.9	1.2	101	E	41.4	16.6	2.3	100.3	0.8
2/12/2021	9:00:00	10.5	2.6	1.6	88.3	E	48	23.7	1.9	80	2.6
3/12/2021	9:00:00	11.5	3.1	1.8	91.7	E	48	17.8	2.3	83.1	6.7
4/12/2021	9:00:00	10.6	2.9	2	85.7	E	67.8	17.8	1.8	72.6	9.4
5/12/2021	9:00:00	13.4	3.8	2	99.3	E	79.3	23.7	1.1	99.6	8.7
6/12/2021	9:00:00	13.7	5.8	1.8	99.3	E	40.5	31.9	4.5	99	7.7
7/12/2021	9:00:00	10.8	3.7	1.9	89.7	E	45.9	24.9	2.7	87.7	5.2
\END OF DATA								Annual average (progressive)		3.7	

Appendix B3; Weather Station: DMC Doves East PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM2.5)	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC
8/12/2021	9:00:00	11.9	4.1	2.3	60	ENE	81.8	17.8	1.3	66.9		0	98.2	87.4	0	26.9	17.8	0	17.1	15.4
9/12/2021	9:00:00	26.6	5.4	3.8	53.2	NE	100.9	48.5	1	275		50.3	98.3	82	12.2	26.4	18.3	10.3	18	14.9
10/12/2021	9:00:00	17.9	5.3	3.5	274.9	W	49	33.1	3.7	280.7		39.7	96.7	68.7	13.4	28.1	20	7.4	16.2	13.4
11/12/2021	9:00:00	21.9	6.1	5.3	262.5	W	44.2	37.9	5.1	247		24.3	94.5	56.8	7.2	23.5	16	1.1	11.3	6
12/12/2021	9:00:00	17.5	8.2	3	78.7	ENE	66.1	28.4	4.3	79.4	2	33.2	95.5	68.9	11.3	26.5	18.1	7.8	13.9	11.3
13/12/2021	9:00:00	15.6	7.8	3	72.7	ENE	22.9	26	7.3	72.8	2	51.2	98.2	82.1	12	23.3	16.7	11.4	17.6	13.4
14/12/2021	9:00:00	13.5	5.2	2.8	68.5	ENE	69.4	20.1	2.5	80.5	2.6	40.3	99.7	75.5	11	25.7	18.1	10.4	16	13
15/12/2021	9:00:00	15.7	5.5	2.6	67	ENE	38.9	22.5	4.5	68.4	3	22.8	96.2	66.3	13.2	26.7	19	2.4	13.8	11.1
16/12/2021	9:00:00	16.2	4.1	3.6	68.8	ENE	40.7	22.5	3.1	86.3	3.5	25.3	96.5	59.7	10.5	27.6	19	5.3	15.8	9.5
17/12/2021	9:00:00	15.4	4.9	2.9	91.2	E	94.3	23.7	0.6	199.5	3.5	33.8	99.2	68.9	13.7	28.5	20.5	9	16.7	13.4
18/12/2021	9:00:00	16.9	7.6	3.1	74.2	ENE	22.3	24.9	7.1	74.1	3.3	56.3	97.8	82.5	15.1	25.9	19.2	14.4	18	15.9
19/12/2021	9:00:00	13.4	3.5	2.8	74.3	ENE	71.6	18.9	1.3	98.9	3.2	36	100	75.3	13.6	30.2	20.7	12	18.7	15.3
20/12/2021	9:00:00	16.2	4	2.6	245.3	WSW	58.6	23.7	2.4	249.2	3.9	45	88	64.7	13.3	29	21.2	10.8	18.8	13.9
21/12/2021	9:00:00	18.3	5	3.2	324.2	NW	98.3	28.4	0.9	230.5	3.7	34	100	68.4	15.6	31.1	23.3	12.8	19.7	16
22/12/2021	9:00:00	38	5.3	3.8	281.9	WNW	70	56.8	2.3	269.3	3.1	38.3	96.5	78.5	15.9	32	20.7	14.1	19.7	16.2
23/12/2021	9:00:00	18.7	4.5	3	77.7	ENE	59	24.9	2.7	64.7	2.5	48.3	98.8	79.9	15.7	27.6	20	13.1	19	16
24/12/2021	9:00:00	24.6	5.9	3.7	74.2	ENE	36.9	35.5	4.9	79.4	2.9	51	99.8	83.9	14	27.2	19.3	13.6	19	16.1
25/12/2021	9:00:00	17.7	7	3.2	98.8	E	46	26	5.3	98.1	2.1	41.8	97.7	79.2	16.1	28.5	20.3	13.6	18.9	16.1
26/12/2021	9:00:00	26.4	6.7	2.9	88.6	E	27.7	36.7	6	91	1.6	47.8	99.7	85.8	15.7	27	18.8	13.4	17.7	16
27/12/2021	9:00:00	16.4	5.9	3.3	78.2	ENE	34.8	23.7	5.1	79.1	1.6	53.5	100	82.4	14.2	26.6	19.2	13.9	18.5	15.8
28/12/2021	9:00:00	29.5	13.8	3.5	111.2	ESE	19.5	41.4	13.1	111.4	2.7	43.7	93.8	75	13.3	26.4	18.4	11.2	16.2	13.4
29/12/2021	9:00:00	26	11.1	4.6	100.1	E	20.5	39	10.5	104	1.5	65.8	98.2	86	10.3	18.1	13.5	9.3	13.8	11.1
30/12/2021	9:00:00	18.8	9.3	3.2	89.7	E	21.6	24.9	8.6	90.8	1.4	54.2	96.7	80.6	11.1	21.6	15.5	9.9	14.4	11.9
31/12/2021	9:00:00	21.7	8.8	4.5	84	E	25.7	29.6	8.1	90.1	1.8	47.7	99.7	81.5	10.6	23.2	15.9	10.1	14.5	12.3
1/01/2022	9:00:00	24.6	11.1	3.8	81.3	E	20.6	33.1	10.4	79.9	1.7	59	99.2	87	14	22.8	16.8	12.7	15.9	14.4
2/01/2022	9:00:00	16.2	6.3	2.9	94.2	E	27.5	22.5	5.6	91.5	1.5	69.7	100	90	13.9	20.2	16.6	12.9	17.3	14.8
3/01/2022	9:00:00	22	7.1	4.9	106.5	ESE	39.9	30.8	6.3	115.3	2.3	52.5	97.2	79.3	11.8	24.9	17.6	11	16.8	13.6
4/01/2022	9:00:00	21.2	7.6	4.6	130.8	SE	39.2	28.4	6.6	133.3	2.1	40.2	92.2	69.4	13.5	27.8	20.1	11.9	15.7	13.8
5/01/2022	9:00:00	23.4	10.4	4.7	117.1	ESE	25.1	36.7	9.5	121.3	1.4	52.3	96	79.6	16.3	27.9	20.6	15.1	18.7	16.5
6/01/2022	9:00:00	21.2	11.4	3.2	103.5	ESE	21.6	30.8	10.6	104.6	1.4	67.2	99.2	89.5	17.7	25.4	19.8	16.9	21.1	17.9
7/01/2022	9:00:00	22.9	13.6	2.7	75.8	ENE	19.3	34.3	12.8	76.3	1.8	60	99	91.9	17.8	26.8	19.8	17.6	21.2	18.4
8/01/2022	9:00:00	21.5	11.9	2.6	72.7	ENE	16.1	33.1	11.5	72.8	1.5	80.5	100	96.4	17.5	24.6	19.2	17.5	21.8	18.6
9/01/2022	9:00:00	16.7	7.2	3.2	78	ENE	19.2	21.3	6.9	78.4	1.6	72.5	100	93.3	18.7	25.7	20.6	18.3	21.2	19.4
10/01/2022	9:00:00	17.3	9	3	74.4	ENE	26.2	26	8.3	74.5	2.5	59.7	99.7	86.7	16.5	28.6	21.3	16.3	21.3	18.7
11/01/2022	9:00:00	17.6	10.2	2.5	73.5	ENE	17.6	27.2	9.7	73.4	4.5	55.8	98.5	81.6	15.7	26.3	20	15.1	18.1	16.4
12/01/2022	9:00:00	17.9	9.1	3.1	84.3	E	22.1	26	8.4	86.2	3.6	55.2	99.8	81.7	13.1	25.9	18.9	12.7	19.1	15.4
13/01/2022	9:00:00	18.9	9.5	3	82.8	E	21	27.2	8.9	82.6	3.3	51.7	97.3	76.9	13.2	26	19.3	12.2	16.7	14.7
14/01/2022	9:00:00	17.5	8.1	3.2	82.1	E	23.9	26	7.4	85.1	2.5	38.7	100	73.8	12.2	25.6	18.3	9.6	15.4	12.8
15/01/2022	9:00:00	14.9	6.6	3.1	75.5	ENE	44.7	22.5	5.4	73.5	3.1	46.2	100	76.6	13.6	26.3	19.9	11.9	17.1	15.1
16/01/2022	9:00:00	23.8	6	3.3	73.7	ENE	71.6	34.3	3.5	72.8	3.9	54	100	81.2	15.1	28.5	20.8	14.4	19.6	17
17/01/2022	9:00:00	28.9	5.7	3.5	80.8	E	79.3	37.9	0.8	95.4	3.7	50.2	100	81.1	15.9	30.3	22.1	15.7	20.7	18.2
18/01/2022	9:00:00	18.3	7.6	3.2	76.4	ENE	22	26	7.1	76.3	4.5	56.2	99.7	81.6	19	29.4	23.1	18	21	19.4

Appendix B3; Weather Station: DMC Doves East PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM2.5)	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC
19/01/2022	9:00:00	15.6	5.6	3.1	94.4	E	53.7	22.5	4.2	88.8	3.2	57.8	100	89.1	18.6	28.7	21.4	18	20.4	19.3
20/01/2022	9:00:00	24.7	11.3	5.1	113.3	ESE	44.5	36.7	9.5	111	1.6	68.7	99.2	92.9	16.4	25.7	18.7	15.9	21	17.5
21/01/2022	9:00:00	35.6	19.2	4.5	113.2	ESE	15.7	49.7	18.5	112.9	2.8	79.5	97.3	91.9	13.5	19.1	15.8	12	17.4	14.5
22/01/2022	9:00:00	30.1	15.1	4.9	102.8	ESE	16.5	42.6	14.5	103.9	2.3	58.8	98.7	86.3	13	22.2	16	12	16.3	13.5
23/01/2022	9:00:00	19.9	8.8	4.1	96.1	E	26.1	29.6	7.9	101.9	1.4	66.5	97.7	86.8	12.1	21.7	16	11.4	17.2	13.7
24/01/2022	9:00:00	16.2	6.9	3.3	68.9	ENE	29.7	23.7	6.1	77	1.8	51.5	99.8	80	12.9	24.4	18.2	12.6	15.9	14.3
25/01/2022	9:00:00	16.8	6.5	3.1	68.4	ENE	28.7	27.2	5.8	72.1	1.7	52.8	100	82.2	15.6	26.4	19.7	14	17.8	16.2
26/01/2022	9:00:00	21.4	4.8	2.3	51	NE	80.5	28.4	1.2	51.9	2.9	44.5	100	80.9	16.7	28.4	14.4	18.8	16.8	16.8
27/01/2022	9:00:00	15	9	2.2	70.9	ENE	17	23.7	8.6	71.6	1.6	74.7	100	93.5	14.5	23.9	18	14.4	20.4	16.8
28/01/2022	9:00:00	17.6	9	2.4	83.1	E	20	23.7	8.5	82.8	1.4	73.8	100	93	15.8	21.2	17.3	15.2	17.3	16.1
29/01/2022	9:00:00	19.9	8	3.4	78.1	ENE	22.1	29.6	7.5	76.3	1.3	62	99.8	91.2	15	24.6	18.2	14.5	19.7	16.6
30/01/2022	9:00:00	22	8.8	3	85.6	E	21.7	28.4	8.2	84	2	57.2	100	87.3	14.6	25.2	19.2	14.4	19.6	16.9
31/01/2022	9:00:00	16.3	6.6	3.5	76.7	ENE	22.5	24.9	6.1	79.3	3.4	48.7	99.3	80.1	15.5	26.7	20.3	14.2	18.2	16.4
1/02/2022	9:00:00	14.6	4.7	2.8	75.3	ENE	46.5	21.3	3.2	79.8	2.8	43.7	100	79.7	16.1	30.6	22.2	14.5	20.6	18
2/02/2022	9:00:00	19.9	5.4	3.2	247.4	WSW	64.7	28.4	3.5	242.1	4.4	42.5	96	73.1	20.2	31.2	24.7	16	21	18.9
3/02/2022	9:00:00	16.7	4.7	3.3	253.6	WSW	92.3	30.8	0.8	298.6	3.1	57.3	99.8	88.3	18.2	29.7	22.3	18.1	22.5	20.1
4/02/2022	9:00:00	19.5	6.5	3.9	90.1	E	43.4	28.4	5.6	101.9	1.3	83.8	100	96.5	11.9	19.5	16.1	11.3	18.9	15.6
5/02/2022	9:00:00	22.5	11.1	4.6	122.7	ESE	21.4	35.5	10.3	123.1	2	56.7	92	79.5	9.3	22.3	15.1	7.8	15	11.4
6/02/2022	9:00:00	25.9	13.5	4.5	117.7	ESE	18.7	37.9	12.8	118.3	3.5	52.7	96.3	76.9	11.9	20.7	15.1	8.3	12.9	10.8
7/02/2022	9:00:00	28.3	12.5	5.1	122.7	ESE	17.8	39	11.9	120.9	3.2	48	97.7	77.4	12.5	22	15.8	9.6	13.1	11.5
8/02/2022	9:00:00	20	7.6	3.8	86.5	E	30.4	27.2	6.6	96.7	2.1	48.2	96.8	78.3	10.1	22.9	15.4	9.4	14.8	11.3
9/02/2022	9:00:00	14.2	4.8	3.2	72.8	ENE	30.4	18.9	4.1	79.3	3.5	42.3	99.5	75.2	10.7	24.7	16.9	9.6	14.3	11.9
10/02/2022	9:00:00	20.2	4.3	3.7	104.6	ESE	83.1	27.2	1.7	211.7	3.5	36.8	98.2	71.4	9.4	26.5	18.3	8.8	14.8	12.1
11/02/2022	9:00:00	18.3	5.3	4.9	110.5	ESE	22.5	28.4	4.7	112.9	2.8	28	93.3	58.5	9.9	27.5	19.1	5.5	13.6	9.6
12/02/2022	9:00:00	25.9	7.6	5.1	104.8	ESE	22.9	36.7	7	108.2	2.4	34.8	92.7	69.9	11.3	26.6	17.9	6.2	15.2	11.4
13/02/2022	9:00:00	21.2	10.6	3.7	100.8	E	25.2	34.3	9.7	104.5	3.2	55.8	93.2	76.2	10.3	23.2	16.1	8.8	15.5	11.7
14/02/2022	9:00:00	20.6	8.2	4.3	83.9	E	25.1	30.8	7.5	84.8	3.9	47	99.5	78.8	12.5	23.7	16.9	9.9	15.2	12.7
15/02/2022	9:00:00	19.3	9.1	2.4	90.7	E	22.2	26	8.5	91.9	1.9	66.2	100	91.2	14.2	21.9	16.4	13.4	16.4	14.8
16/02/2022	9:00:00	19.7	8.4	4.1	83.4	E	21.8	28.4	7.8	84.9	4.6	52	99.8	83.5	12.7	23	16.6	10.7	15.7	13.5
17/02/2022	9:00:00	16.3	6.1	3.9	81.4	E	26.1	23.7	5.5	82.2	3.8	62.7	100	85.5	12.2	22.6	17	12.1	16.9	14.3
18/02/2022	9:00:00	12.4	3.9	2.5	70.6	ENE	84.2	18.9	0.3	90.6	3.6	39.7	100	76.8	12.5	29	19.9	11.9	17.6	15.1
19/02/2022	9:00:00	22.8	5.3	4	25.5	NNE	81.7	31.9	0.8	235.7	3.9	37	93.3	71.7	13.5	30.2	20.6	12	18.8	14.7
20/02/2022	9:00:00	24.6	10.8	3.6	89.9	E	20.4	34.3	10.2	92	4.8	52.2	96.7	79.7	14.7	27.1	19.1	13.4	17.6	15.2
21/02/2022	9:00:00	14.4	5.1	3.5	74.6	ENE	29.3	21.3	4.6	76.9	3.5	53.8	100	84.4	12.2	25.9	18.5	12.1	18.1	15.6
22/02/2022	9:00:00	16.7	6	3.1	79.6	E	41.7	26	4.8	77	2.7	43.5	100	77.5	16.2	28.1	20.8	13.3	18.1	16
23/02/2022	9:00:00	21.4	11	3.1	83.8	E	18	34.3	10.5	82.9	2.1	55.5	99.3	86.2	16.3	26	19.2	14.9	18.7	16.6
24/02/2022	9:00:00	20	9.2	3.4	88.4	E	21.6	29.6	8.6	86.6	1.3	77.5	100	95.9	17.2	22	18.2	16.7	19.1	17.5
25/02/2022	9:00:00	23.7	13.5	3	80.1	E	18.6	35.5	12.9	79.5	1.8	85.5	100	96.8	17.2	22.1	18.6	17	20.6	18.1
26/02/2022	9:00:00	27.1	12.6	3.2	83.5	E	16.3	36.7	12.1	83.2	2.3	81.2	99	95.6	15.4	20.3	17.1	14.6	19	16.3
27/02/2022	9:00:00	20.5	9.7	2.6	97.9	E	17.8	27.2	9.3	98.1	1.5	86.3	100	97.6	15.1	19.4	16.8	14.5	18.1	16.4
28/02/2022	9:00:00	24.8	12.1	2.9	111.9	ESE	21.7	37.9	11.3	112.3	1.3	94.5	100	97.6	15.9	18.6	16.5	15.4	18	16.1
1/03/2022	9:00:00	24.1	8.9	4.6	113.4	ESE	27.1	36.7	8.1	120.2	1.2	74.2	100	94.5	16.2	23	17.9	16.1	19.3	17

Appendix B3; Weather Station: DMC Doves East PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM2.5)	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC
2/03/2022	9:00:00	16.1	5.2	2.8	83.8	E	35.8	23.7	4.2	85.2	1.7	56	100	89.9	16.3	27.5	19.5	15.9	20.2	17.6
3/03/2022	9:00:00	23.7	4.8	3	191.4	SSW	96.2	35.5	1	211.5	2.6	43.5	100	83.2	14.6	29	19.9	14.1	20.1	16.3
4/03/2022	9:00:00	25	5	3.2	326	NW	92.4	35.5	0.6	261.6	2.5	40.3	100	83.1	15.7	29.5	19.9	13.2	18.4	16.2
5/03/2022	9:00:00	16.5	5.7	3.8	90.9	E	26.6	24.9	5.1	93	1.8	60.2	100	88.9	14.8	25.5	18.4	14.5	19.4	16.4
6/03/2022	9:00:00	12.8	4.4	2.5	100.7	E	86.7	21.3	1.6	106.3	3	47.5	100	83.1	15.8	27.5	20.8	15	20.3	17.4
7/03/2022	9:00:00	22.7	4.4	3.1	295.3	WNW	71.8	34.3	2.4	291.7	3.6	59.8	100	86.1	9	25.4	16.5	8.5	22	14.1
8/03/2022	9:00:00	13.5	3.6	2.4	223.7	SW	92	20.1	1.1	252.4	1.9	47.7	100	86.8	9.4	24.3	14.9	9.4	15.5	12.3
9/03/2022	9:00:00	18.3	5.2	3.4	248.2	WSW	39	31.9	4.1	253.2	2.2	57	99.8	74.8	15.8	25.2	20.6	14.3	18.3	15.8
10/03/2022	9:00:00	18	7.8	2.8	38.2	NE	87.2	30.8	1.8	42.5	2.4	43.5	99.5	78.6	14.6	28.6	20.7	14.1	19.2	16.1
11/03/2022	9:00:00	20.7	9.7	2.9	76.5	ENE	18	28.4	9.2	76.4	2.2	66.7	100	91.8	14	22.1	16.3	13.9	16.5	14.8
12/03/2022	9:00:00	14.4	7.8	2.1	86.7	E	19.1	18.9	7.3	88.4	1.2	86.2	100	96.8	12.4	17.3	14.4	12.3	15.9	13.9
13/03/2022	9:00:00	20.9	8.5	3.1	82.3	E	20.3	28.4	8	83.2	2.4	50.8	100	81.6	11.6	23.8	16.2	10.9	15	12.7
14/03/2022	9:00:00	18.3	6.6	3.4	77.1	ENE	20.8	27.2	6.2	80.2	2	55.2	100	84.9	11.4	22.1	15.9	11.1	15.3	13
15/03/2022	9:00:00	16	6.4	3.4	84	E	24.9	28.4	5.9	90.1	2.1	45.2	98.7	78.2	11.3	24	16.8	10.6	15	12.4
16/03/2022	9:00:00	19.2	7.3	3.8	95	E	25.8	30.8	6.6	98.6	1.9	54.5	100	86.5	13.9	23.5	16.7	12.8	16.4	14.2
17/03/2022	9:00:00	20.8	6.9	4.1	89.1	E	25.8	28.4	6.2	93.6	2.3	54.2	100	85.6	14.5	24.5	17.8	13.4	16.7	15.1
18/03/2022	9:00:00	16	6.9	3	82	E	24.9	21.3	6.2	86	2.5	48.2	99.3	81.4	14.5	25.3	19	13	17.7	15.2
19/03/2022	9:00:00	18.7	7.4	2.4	82.7	E	22.2	26	6.9	82.5	2	56.8	99.2	86.9	11.6	24.4	16.8	11.2	19	14.4
20/03/2022	9:00:00	20.7	7.3	4	88.5	E	30.2	28.4	6.5	97.7	2.2	59.2	99	83.5	11.5	23	16.9	11.1	15.4	13.8
21/03/2022	9:00:00	18.2	4.1	3.4	75	ENE	48.1	31.9	2.4	83.9	2.6	34.3	100	79.9	6.5	25.9	15.8	6.3	15	11.6
22/03/2022	9:00:00	13.7	4.1	3.4	62.3	ENE	29.2	20.1	3.5	73.5	2.8	41.8	100	77.7	9.7	24.8	16.5	9.4	14.3	11.9
23/03/2022	9:00:00	16.2	4.1	3.3	43.9	NE	93.9	23.7	1.2	173.9	3.8	33	100	76.1	9.5	26.6	17.1	8.5	16.4	11.8
24/03/2022	9:00:00	15.5	5.5	3	243.6	WSW	98.7	24.9	0.6	240.2	5.2	39.7	97.8	73.2	14.8	28.9	20.5	12.5	17.2	14.8
25/03/2022	9:00:00	20.5	6.3	2.6	72.8	ENE	43.3	29.6	5	75.9	4.1	64.2	99.5	89.1	13.4	24.3	18.1	13.2	18.7	16.1
26/03/2022	9:00:00	17.2	6.5	2.7	86.8	E	52.4	26	4.8	88.3	1.5	54.7	100	94	14	24.8	16	12.9	18	14.9
27/03/2022	9:00:00	17	9.9	2.3	103.3	ESE	20.3	24.9	9.4	103.7	1.2	70	100	92.8	14	21.1	15.7	13.7	16.4	14.4
28/03/2022	9:00:00	15.1	5.4	3.2	67.1	ENE	49.2	20.1	4.4	76.6	1.2	80.3	100	95.7	12.5	20.4	16	12.2	18.2	15.2
29/03/2022	9:00:00	20.9	8.4	3.6	92.3	E	26.3	34.3	7.5	93.3	1.3	91.2	100	98.5	13.7	17.5	15.5	13.7	17	15.3
30/03/2022	9:00:00	19.8	7.3	3.8	140.9	SE	56.4	27.2	4.7	136.6	1.2	80.7	99.7	96.3	14.7	20.3	16.3	14.4	17.9	15.6
31/03/2022	9:00:00	25.5	6	4.4	256.2	WSW	61.2	37.9	3.7	232.6	1.3	71	100	90.9	11.3	22.5	16.6	11	18.4	15.1
1/04/2022	9:00:00	17.7	4.8	3.2	103.1	ESE	67.5	26	3.2	124.5	1.8	52.5	100	83.8	8	24.5	16.2	7.8	16.2	13.1
2/04/2022	9:00:00	16.1	3.7	2.6	46.2	NE	83.2	21.3	0.3	46.1	2.4	36.2	100	74.6	10.4	23.6	15.8	5.5	14.5	10.3
3/04/2022	9:00:00	19.2	5.1	3.8	255.2	WSW	55.1	29.6	3.5	256.3	5.9	36.7	94.7	69.7	8.6	22.8	14.9	6.1	16.1	8.7
4/04/2022	9:00:00	27	4.7	3	335.5	NNW	83.4	33.1	1.4	321.6	3	56.7	100	87.5	12.7	24.6	16.5	12.1	17.1	14.1
5/04/2022	9:00:00	12.3	2.9	2.4	289.9	WNW	53.8	21.3	1.8	289.6	2.7	56.5	100	86.8	10.3	24.4	16.4	10.2	18.8	13.9
6/04/2022	9:00:00	11.9	5.4	2.1	86.1	E	42.3	18.9	4.3	84.7	2.9	54.8	99.5	87.4	14.7	25.8	18.2	14.4	17.7	15.8
7/04/2022	9:00:00	16.9	8.6	2.4	75.8	ENE	18.1	24.9	8.2	76.2	2.2	64.8	99.3	88.9	12.8	22.1	16.1	12.5	16.3	14.2
8/04/2022	9:00:00	20	9.4	2.7	94.7	E	19.5	28.4	8.9	95.9	1.6	62.3	99.5	91.9	13.7	21.8	15.5	13	16.1	14
9/04/2022	9:00:00	23.1	10.9	3.1	94.7	E	17.3	31.9	10.4	96.1	1.8	80	100	94.9	13.4	17.9	15	13.3	16.1	14.2
10/04/2022	9:00:00	20.8	8.6	3.6	89.6	E	19.4	28.4	8.1	91.9	2.4	61.7	100	90.5	12.8	22.1	15.7	12.7	16	14
11/04/2022	9:00:00	13.5	4.2	3.3	65.9	ENE	52.1	18.9	3.2	75.3	2.6	59.3	100	87.4	12.6	23.4	16.5	12.6	17.1	14.1
12/04/2022	9:00:00	13.3	3.1	2.9	79.2	E	75.6	20.1	0.9	184.4	2.5	43.3	100	82	11.6	26.1	17.7	11.4	17.5	13.9

Appendix B3; Weather Station: DMC Doves East PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM2.5)	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC
13/04/2022	9:00:00	13.7	6.1	2	74	ENE	29.5	21.3	5.3	76.4	11.5	48.8	98.7	83.8	13.6	24.9	17.4	12.1	17.5	14.2
14/04/2022	9:00:00	16.6	7.6	2.5	88.4	E	24.4	22.5	7	90.4	3.1	66.7	99.7	92.5	9.2	20.3	13.2	9	16.4	11.9
15/04/2022	9:00:00	22.8	8.9	3.5	114.2	ESE	21.4	33.1	8.3	113.6	2.9	53.7	98.7	87.1	10.6	19.3	13.6	8.7	13.2	11.3
16/04/2022	9:00:00	17.2	5.8	4.2	84.3	E	56.6	27.2	4.6	104.3	3.5	53.2	100	83.8	6.5	20.5	13.2	6.3	13.4	10.3
17/04/2022	9:00:00	15.7	5.3	3.3	118	ESE	28.1	21.3	4.9	113.4	3	57	100	86.8	9.2	19.7	13.8	9	13.3	11.4
18/04/2022	9:00:00	15.9	5.2	3.2	95.4	E	26.9	22.5	4.6	101	2.5	66.3	100	88.5	12.1	19.2	14.7	11.2	14	12.7
19/04/2022	9:00:00	14.2	4.1	3.5	60	ENE	44.6	18.9	3.3	66.9	3.5	56	100	84.4	7.7	20.9	13.8	7.5	14.5	10.8
20/04/2022	9:00:00	18.6	5.8	2.8	277.2	W	53.1	31.9	3.9	277	4.6	44.3	98.5	78	12.8	24.2	18	10.3	15.6	13.5
21/04/2022	9:00:00	20.8	5.3	4.6	321.3	NW	99.3	37.9	2.5	247.7	4.1	30.3	100	76	7.2	22.2	14.4	3.4	15.5	9.3
22/04/2022	9:00:00	16.6	7.3	3.2	73.9	ENE	22.2	26	6.8	73	4.9	49.8	99.8	83.7	10.8	22	15	10.2	14.6	11.9
23/04/2022	9:00:00	19.6	11.1	2.9	108.1	ESE	19.6	28.4	10.5	108.2	3	63.5	99.8	90.4	11.7	19.2	13.9	10.8	14.2	12.2
24/04/2022	9:00:00	23.4	12.6	3	97.7	E	16.2	31.9	12.1	98.3	2.7	76.3	98.2	91.4	11.1	17.6	12.8	9.8	14.5	11.4
25/04/2022	9:00:00	24.3	13.9	3.1	99.1	E	16.9	34.3	13.3	99.8	2.5	72.8	96.7	89.7	10.6	17	12.3	9.1	13.3	10.7
26/04/2022	9:00:00	24.8	11.1	4	84.8	E	18.7	35.5	10.5	87.3	2.9	60.8	99.5	88.5	10.8	17.5	12.9	8.3	12.5	10.8
27/04/2022	9:00:00	19.2	10.1	3	70.7	ENE	16.1	28.4	9.7	71.5	2.3	78	100	92.5	12	15.6	13.1	10.3	14.6	11.9
28/04/2022	9:00:00	18.4	8.4	3	74.7	ENE	18	27.2	8	74.1	2.9	67	100	92.2	13	20.6	15.2	12.5	15.8	13.8
29/04/2022	9:00:00	17.3	6.6	3.9	72.1	ENE	22.5	23.7	6.2	72.8	3.9	61.3	100	89.5	12.9	21.3	15.9	12.6	15.9	14
30/04/2022	9:00:00	17.2	5.5	3.7	73.2	ENE	21.6	22.5	5.1	71.7	2.9	71.3	100	93	14.2	21.1	16.3	13.9	16.9	15
1/05/2022	9:00:00	11.3	3.5	2.4	295.4	WNW	87.6	15.4	0.6	356.2	2	53.7	100	84.3	13.1	23.9	16.7	12.5	16.2	13.8
2/05/2022	9:00:00	14.8	5.2	2.4	73.2	ENE	20.2	21.3	4.9	76.7	2	70.8	100	92.4	10.9	19.7	13.8	10.9	15	12.5
3/05/2022	9:00:00	16.4	4.7	4.1	65	ENE	37.3	26	4.1	85.5	2	50.2	100	85	7.4	20.3	12.7	7.3	13.6	9.9
4/05/2022	9:00:00	14.9	5.2	2.8	73.6	ENE	25.3	20.1	4.6	78.8	2	65.8	100	90.5	12.3	19.4	14.2	10.9	14.5	12.6
5/05/2022	9:00:00	14	3.9	3.1	77.3	ENE	48.9	24.9	3	75	2	46.2	100	87	11.8	21.8	15.1	9.2	15.4	12.6
6/05/2022	9:00:00	7.5	1.7	1.8	248.9	WSW	44.3	14.2	1.3	242.1	2	90.8	100	97.8	13.1	17.7	15.3	12.8	17.6	14.9
7/05/2022	9:00:00	10.6	2.7	1.9	271.3	W	53.3	14.2	2	260.1	2	73.5	100	96.8	8.9	19.3	12.8	8.8	16.8	12.3
8/05/2022	9:00:00	9	3.1	2	277.1	W	77.7	14.2	1.4	278	2	74.5	100	93.8	8.2	17.1	11.9	8	14.3	10.9
9/05/2022	9:00:00	15.9	7.9	2.7	72.5	ENE	17	22.5	7.5	73.6	2	73.8	99.5	92.7	9.6	17.4	12.3	9.3	13.9	11.1
10/05/2022	9:00:00	21.1	10.1	2.6	87.7	E	17.3	27.2	9.7	88.8	2	69.2	96.7	87.2	10.8	16.5	12.4	9.4	11.5	10.3
11/05/2022	9:00:00	23.8	14.4	2.8	92.5	E	15.1	35.5	13.9	92.3	2	79.7	99	91.7	11.6	14.8	12.6	10	12.2	11.3
12/05/2022	9:00:00	26.4	14.5	4.2	86.2	E	16.7	40.2	13.9	85.9	2	85	100	97.2	11.9	14.6	13.4	11.4	14.2	13
13/05/2022	9:00:00	23.1	10.1	3.8	81	E	18.7	35.5	9.6	80.8	2	95.3	100	99.4	14.5	16.8	15.5	13.9	16.8	15.4
14/05/2022	9:00:00	20.9	11.2	3	76.9	ENE	23.3	30.8	10.3	75.3	2	86.7	100	97.2	14.7	18.2	16.2	14.5	17.3	15.7
15/05/2022	9:00:00	25.8	8.5	4.8	80	E	19	34.3	8.1	78.1	2	94.5	100	99.1	15.2	18.4	16.2	15	18.4	16
16/05/2022	9:00:00	10.3	2.9	2.3	136.7	SE	96.9	14.2	1.2	83.9	2	73.7	100	96.1	13.4	24.3	17.6	13.4	20.9	16.9
17/05/2022	9:00:00	12.2	2.9	2.6	248.4	WSW	58.5	18.9	1.9	248.9	2	59.8	100	91.1	9.6	25.2	16.6	9.6	19.8	14.9
18/05/2022	9:00:00	14.2	5.3	2.7	58.3	ENE	58.4	20.1	3.6	68.3	2	62.5	100	92.4	9.4	22.3	14.9	9.3	17.6	13.6
19/05/2022	9:00:00	16.4	4.3	3.5	312.7	NW	80.6	22.5	1.8	262	2	43.7	100	82.5	6.3	21.7	12.7	5.9	14.9	9.3
20/05/2022	9:00:00	18.5	10.1	2.3	81.4	E	20	29.6	9.5	82.3	2	70.2	98.8	89.9	10.1	17.4	12.7	8.4	13.8	11
21/05/2022	9:00:00	24.2	11	3.2	102.4	ESE	18.1	33.1	10.5	104.2	2	89.3	100	97.3	9.9	11.3	10.6	9.1	11	10.2
22/05/2022	9:00:00	22.4	12.8	2.9	104.4	ESE	16.6	35.5	12.3	105.3	2	84.7	100	98.1	10.2	13.4	10.9	10	11.7	10.6
23/05/2022	9:00:00	23.7	12.3	3.6	99.8	E	16.8	33.1	11.8	101.5	2	75.8	99	91.5	8.8	15.5	11.2	8.3	11.9	9.8
24/05/2022	9:00:00	24.8	10.6	3.5	99.6	E	16	39	10.2	100.6	2	76.7	100	95.3	10.1	15.3	11.2	10	12.5	10.4

Appendix B3; Weather Station: DMC Doves East PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM2.5)	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC
25/05/2022	9:00:00	18.5	8	3.3	87.9	E	18.8	26	7.6	90.9		73	100	93.5	8.7	16	11.1	7.9	12.8	10.1
26/05/2022	9:00:00	17.2	6.4	3	82.1	E	21.2	21.3	6	85.4		74.5	100	94.4	9.9	14.8	11.6	9.8	12.9	10.6
27/05/2022	9:00:00	14.6	5.1	3.4	71.4	ENE	29.5	20.1	4.7	72.1		65.2	100	91.6	8	18.2	11.8	7.9	12.7	10.3
28/05/2022	9:00:00	14.9	3.5	3.3	56.4	ENE	58	18.9	2.6	69.2		67.3	100	90.9	6.8	17.8	12.1	6.7	13.3	10.5
29/05/2022	9:00:00	16.6	6.3	2.8	258.7	WSW	31.5	27.2	5.5	256.4		53.7	100	85.3	7.5	20.2	12	7.2	13	9.2
30/05/2022	9:00:00	22.7	8.6	3.8	246.3	WSW	23	35.5	8	245.7		58.3	90.8	78.4	4.3	14.1	8.4	2.7	9.5	4.7
31/05/2022	9:00:00	34.1	11.9	4.8	276.3	W	45.4	61.5	8.7	282.7		64.7	97.3	80.6	5	13.2	9.2	1.6	10.3	6
1/06/2022	9:00:00	31.8	17.7	3.3	245.4	WSW	20.6	61.5	16.6	244.4		67.2	94.3	83.7	5	11.4	8.2	3.9	7.1	5.6
2/06/2022	9:00:00	31	10.4	7.2	255.7	WSW	52.7	54.4	9	247.6		53.7	97.8	74.3	-1.8	10.7	5.1	-2.6	4.9	0.7
3/06/2022	9:00:00	12.8	4	3.3	44.7	NE	50.5	17.8	3	69		41.7	100	82.1	0	14.8	6.2	-0.3	8	2.8
4/06/2022	9:00:00	22.5	6.2	3.6	265	W	50.3	37.9	4.3	267.6		46.5	99.3	86.1	8.3	16.7	10.9	3.3	10.6	8.3
5/06/2022	9:00:00	22.3	6.1	4.5	260.8	W	55.1	34.3	5.1	252.9		82.7	100	95.3	0	9.7	5.7	-0.1	8.3	5
6/06/2022	9:00:00	23.4	8.3	4.9	255.7	WSW	44.7	43.8	6.7	253.6		30.5	95.7	70.9	5.1	18.2	11.5	-1.3	11.1	5.7
7/06/2022	9:00:00	30.6	11.1	5.9	255.1	WSW	25.6	55.6	10.1	250.8		55.8	93.5	76.3	2.4	13.2	7	1.3	6.3	2.9
8/06/2022	9:00:00	21.8	10.4	3.2	252.8	WSW	23.2	41.4	9.6	250.1		51.8	92.5	75.4	2.9	11.4	6.1	-0.2	4.6	1.8
9/06/2022	9:00:00	18.5	8.6	3.1	262.5	W	28.1	33.1	7.6	260.2		43.7	92.3	73.3	-0.6	12.4	4.5	-1.8	2.4	-0.2
10/06/2022	9:00:00	19.9	9.1	3.1	265.1	W	27.1	40.2	8.1	262.9		52	95.2	79.2	-0.1	9.2	3.6	-1.1	2.2	0
11/06/2022	9:00:00	21.6	9.5	3.2	263.5	W	27.4	40.2	8.5	259.2		59.7	92.7	79.7	1.2	10	5.1	-0.1	3.2	1.7
12/06/2022	9:00:00	19.2	9.5	3	256.8	WSW	28.5	31.9	8.5	256.4		54.5	98.3	80.7	1.2	11.8	5.7	0.6	4	2.3
13/06/2022	9:00:00	16.1	6.6	3.7	257.8	WSW	42.5	28.4	5.6	258.1		49.2	100	79.7	-1.3	12.4	5.4	-1.9	4.6	1.8
14/06/2022	9:00:00	16.3	3.5	3.8	85.7	E	56.1	26	2.9	78.8		40.8	100	83.8	3.5	16.5	8.4	2.8	9.7	5.3
15/06/2022	9:00:00	13.5	2.6	2.7	346.5	NNW	73.5	21.3	1.4	315.8		44.7	100	85.6	1.5	18.2	8.5	1.4	11.6	5.8
16/06/2022	9:00:00	19	4.3	3.6	287.3	WNW	53.7	31.9	3.1	271.6		49.3	100	85.4	1.3	18.6	8.9	1.2	11.3	6.2
17/06/2022	9:00:00	19.4	4.4	4	258.3	WSW	42.3	30.8	3.7	252.2		35.8	97.8	73.1	1	17.4	8.1	0.1	9.5	2.8
18/06/2022	9:00:00	15.1	3.6	2.8	293.8	WNW	74.4	21.3	2.3	264.5		42.7	100	77.9	0.7	16.6	8	0.2	8	3.8
19/06/2022	9:00:00	12.4	3.2	2.3	56.6	ENE	55.4	15.4	1.9	72.3		38.2	100	82.4	0.8	17.6	8	0.4	9.1	4.6
20/06/2022	9:00:00	20.6	4.1	4.4	76.4	ENE	35.9	29.6	3.6	100		63	100	87.5	5.2	15.3	9.5	4.8	10.4	7.3
21/06/2022	9:00:00	13.8	3.5	3.3	48.3	NE	45.8	18.9	2.8	70.3		51.2	100	85.8	0.7	16.6	8.1	0.5	9.6	5.4
22/06/2022	9:00:00	13.7	3.8	2.7	260	W	44	21.3	2.9	248.5		44.2	100	79.6	2.5	17.2	9.3	2.2	11.2	5.4
23/06/2022	9:00:00	18.7	4.2	3.8	255.2	WSW	78.7	27.2	3	250.2		43	100	79.6	2.2	17.9	8.8	1.2	9.3	4.9
24/06/2022	9:00:00	13.5	4.7	3	262	W	59	21.3	3.7	259.1		27	100	68	-0.7	18.3	8.2	-1.9	10.8	1.7
25/06/2022	9:00:00	21.3	6.9	4.2	261.8	W	38.4	37.9	5.9	256		33	99.3	67.2	0	15.6	8.1	-1.2	9.6	1.6
26/06/2022	9:00:00	10.8	2.7	2	9.8	N	68.3	15.4	0.7	332.4		17.5	100	75.9	-1.3	19	7	-7.8	7.6	1.6
27/06/2022	9:00:00	10.7	2.9	2	355.5	N	81.4	15.4	0.9	325		17.8	99.8	74.7	0.8	19.8	7.8	-6.2	9.2	2.2
28/06/2022	9:00:00	22	5.6	4.7	337.9	NNW	90.2	31.9	2.7	240.9		39	95.5	72.1	-1.5	16	5.8	-3	6	0.5
29/06/2022	9:00:00	18.3	8.6	3.8	98.5	E	23.9	27.2	8	102.7		48	98.8	78.8	4	14.5	8.2	1.9	8.3	4.4
30/06/2022	9:00:00	15.3	4	3.4	68.7	ENE	80	21.3	2.3	82.7		66.2	100	89.7	3.1	11.7	7.6	2.9	9.5	5.9
1/07/2022	9:00:00	12.1	2.9	2.3	52.8	NE	86.6	16.6	0.3	259.8		63.5	99.2	85.3	7.4	14.5	10.4	6.8	10.1	7.9
2/07/2022	9:00:00	14	5.1	2.5	75.4	ENE	41.9	18.9	4.6	73.8		88.7	100	98.1	8.5	11.2	9.6	8.4	10.5	9.3
3/07/2022	9:00:00	12.5	4.1	2	264.9	W	38.3	17.8	3.4	264.9		83	100	96.9	4.8	13	8.5	4.8	11.8	8
4/07/2022	9:00:00	15.4	6.1	2	258	WSW	31	24.9	5.3	258		49.2	100	86.5	2.4	13.9	6.4	2.3	7.9	4
5/07/2022	9:00:00	14.2	5.4	2.6	318.3	NW	81.5	20.1	1.6	320.2		72	100	92.4	4.1	8.4	6	3.3	6.9	4.8

Appendix B3; Weather Station: DMC Doves East PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM2.5)	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC
6/07/2022	9:00:00	20.3	3.9	3.6	42.1	NE	46	31.9	3.1	54.6		99	100	99.8	7.1	11.4	9.4	6.9	11.3	9.4
7/07/2022	9:00:00	14.3	6.9	2	250	WSW	58.5	23.7	4.5	248.6		91.8	100	99	7.5	14.5	9.4	7.5	14.2	9.2
8/07/2022	9:00:00	20.2	9.6	2.8	249.1	WSW	22	31.9	8.9	247.6	3.2	79.8	100	93.1	2.5	14.6	9.1	2.1	12.6	8
9/07/2022	9:00:00	19.1	8	2.8	261.3	W	28.4	29.6	7.1	259.3	2.9	56.7	94.2	79.8	0.8	11.5	5.3	-0.5	4.5	1.9
10/07/2022	9:00:00	11.9	3.5	2.3	310.9	NW	71	20.1	2.1	275.5	3.9	44.3	100	81.5	-2.9	13.6	4.3	-3.1	5.7	0.9
11/07/2022	9:00:00	13.8	3.2	2.2	12.9	NNE	73.5	17.8	0.4	337	3.6	32.2	100	77.7	-2.1	14.8	5.3	-2.6	7.2	0.8
12/07/2022	9:00:00	22.4	5	4.9	57.4	ENE	60.1	31.9	3.6	81.4	3	57	100	85.8	3.7	14.9	8.4	3.4	9.3	5.9
13/07/2022	9:00:00	17.8	5.6	2.8	267.3	W	34	26	4.7	269.9	3	35.3	89.7	69	0.5	15	7.8	-1.5	8.5	2.2
14/07/2022	9:00:00	23.9	10.2	3.2	267.3	W	31.4	36.7	8.8	262.6	3.1	60	95.7	84.8	1.7	11.1	4.9	0.6	5.6	2.5
15/07/2022	9:00:00	16.9	4.1	3.3	78.6	ENE	100.5	24.9	1.3	203.5	3	44	100	79.5	-1.9	14.9	5.4	-2.1	6	1.5
16/07/2022	9:00:00	10.6	2.4	2.3	44.4	NE	69	15.4	0.5	45	3.4	28.7	100	74	-2.9	16.3	5.8	-4.1	6.4	0.1
17/07/2022	9:00:00	14.3	4.5	2.8	268.5	W	65.4	20.1	2.7	275.7	3	31.3	100	73.8	-0.7	16.6	7.2	-1.7	9.1	1.8
18/07/2022	9:00:00	27.3	6.9	4.2	278.6	W	51.5	49.7	4.8	284.4	2.9	45	87.7	67.2	5.7	17.1	11.1	2.2	7.8	5
19/07/2022	9:00:00	23.8	6.4	5.2	290.2	WNW	67.1	39	4.5	256.6	3	37.8	99	70.1	-2.4	16.5	6.8	-3.2	7.5	0.9
20/07/2022	9:00:00	18.3	10.2	2.7	94.3	E	18.8	26	9.6	95.4	4.5	60.5	99.2	83.3	6	10.5	7.6	2.5	7.7	4.8
21/07/2022	9:00:00	25	14.4	2.8	96.8	E	15.7	39	13.9	97.2	3	82.7	98.5	93.4	5.7	10.6	7.4	5	9.7	6.4
22/07/2022	9:00:00	32.5	20.3	3.5	105.2	ESE	14.4	45	19.7	105.3	3.1	88.8	99	96.4	7.8	9.4	8.5	6.9	9	7.9
23/07/2022	9:00:00	31.2	15.9	6.1	110.9	ESE	23	47.3	15.2	113.4	3.1	74	98.2	90.3	6.3	12.6	9.4	4.9	9.9	7.9
24/07/2022	9:00:00	19.9	5	4.8	69.8	ENE	55.6	28.4	3.6	104.2	3.5	62.2	100	87.7	2.7	15.4	8.4	2.4	9.3	6.2
25/07/2022	9:00:00	12.2	3.3	3	47.2	NE	39	16.6	2.5	66.8	5.9	43.2	100	83.5	0.4	17.2	8.3	0.1	8.8	5.2
26/07/2022	9:00:00	14.6	4.9	2.8	269.5	W	59.5	23.7	3.3	254.9	5	44.2	100	79.8	2.5	18.8	10.7	2.1	10.9	6.8
27/07/2022	9:00:00	23.4	11.7	3.2	257.2	WSW	30.7	40.2	10.2	255.6	4.5	54	80.8	69.9	1.6	19.7	9.2	-2.3	11.5	3.9
28/07/2022	9:00:00	24.4	7.9	6.1	267.4	W	55.4	42.6	6.6	256.8	4.5	37.7	100	69.8	-2.2	12.1	5.5	-2.8	4.8	-0.2
29/07/2022	9:00:00	15.3	3.6	2.4	282.7	WNW	80.2	21.3	1.5	258.8	4.7	33	100	70.6	-2.3	17.3	6.7	-2.9	5.8	0.7
30/07/2022	9:00:00	16.1	4.2	3.7	1.5	N	84	27.2	1.8	263	4.7	27.2	100	69.7	0.2	16.2	6.9	-3.2	5.5	0.6
31/07/2022	9:00:00	18.4	6.4	3.8	74	ENE	26.7	27.2	5.8	78.7	4.2	35.7	100	76.1	1.9	13.4	7.5	-2.4	8.4	2.6
1/08/2022	9:00:00	20.7	6.7	4.6	52.2	NE	61.4	29.6	4.6	56.7	4.3	69.8	99.3	87	5.6	12.3	9.1	5.2	8.4	7
2/08/2022	9:00:00	17.5	4.4	3.1	267.9	W	46.6	26	3	281.9	4.5	50.2	100	88.7	4.1	17.9	9.8	3.9	10.9	7.7
3/08/2022	9:00:00	14.2	3.1	2.7	298.3	WNW	97.8	21.3	0.9	245.5	4.5	36.2	100	79.3	2.4	17.5	9.3	1.4	10.7	5
4/08/2022	9:00:00	18.2	4.1	3.2	261.1	W	65.6	34.3	2.6	272.2	6.4	58.8	100	88.2	3.2	19.3	11	2.8	13.7	8.8
5/08/2022	9:00:00	23.1	8.5	4.1	284.4	WNW	58.3	42.6	5.8	288.7	6.3	41.2	97.8	73.3	12.2	22.5	16	7.5	14.1	10.8
6/08/2022	9:00:00	16.9	8.8	2.6	252.9	WSW	29.6	33.1	7.7	251.9	3.9	80.3	98	93.4	8	14.7	10.3	7	13.9	9.3
7/08/2022	9:00:00	24.6	9.3	3.8	259.8	W	26.4	42.6	8.4	257.1	3.1	53.2	93.2	75.1	4.5	14.2	8.4	1.6	10	4.1
8/08/2022	9:00:00	24.7	7.5	4.3	266.9	W	42	46.1	6.1	259.5	3.1	36.7	97.8	67.7	-0.4	15	7.1	-1.4	5	1
9/08/2022	9:00:00	17.7	4	3.3	324	NW	84.4	21.3	1.7	243.8	3.1	27.5	100	70.6	-0.1	16.2	7.3	-3.8	9.1	1
10/08/2022	9:00:00	14.5	3.2	3	60.2	ENE	96.7	20.1	0.8	210.1	5.6	37	100	75.6	-0.8	15.7	6.5	-1.3	8.4	1.7
11/08/2022	9:00:00	20.2	5.6	4.8	63.1	ENE	34.7	27.2	4.7	87.4	8.8	46.3	100	80.8	3.3	15.2	7.8	2.1	8.8	4.3
12/08/2022	9:00:00	15.3	4	3.3	69.4	ENE	70.2	21.3	2.2	75.8	11.1	37.7	100	78.9	2.3	17.9	9.1	2	9.2	5
13/08/2022	9:00:00	17	4.3	2.2	4	N	80.3	30.8	1.8	353.1	10.5	56	100	83.8	9	15.6	11.4	6.3	11.5	8.4
14/08/2022	9:00:00	21.3	6.7	3.4	243.2	WSW	33.4	30.8	5.6	247.9		50.2	94	76.6	3.5	15.5	8.7	1.3	12.8	4.6
15/08/2022	9:00:00	24.3	8	3.9	258.1	WSW	29	41.4	7.1	254.8		38.5	86.8	68.5	3.7	14.3	7.8	-0.5	4.6	2
16/08/2022	9:00:00	21.7	6.6	4.1	250.1	WSW	39.8	37.9	5.7	247.4		39.8	97.3	68.7	-0.2	13.9	6.9	-1.6	4.2	1

Appendix B3; Weather Station: DMC Dowes East PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

.Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 (PM2.5)	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC		
17/08/2022	9:00:00	20.6	6.2	4.3	268.4	W	65.6	30.8	4.4	255.7		40.5	100	79.4	-1	15.4	6.5	-1.5	5.1	2.6		
18/08/2022	9:00:00	16.2	4.1	3.1	254.2	WSW	76.5	21.3	0.4	189.7		30.5	99.8	70.2	0	16.7	8.1	-1.5	7.5	2.1		
19/08/2022	9:00:00	13.7	5.9	2.1	247.3	WSW	32.9	26	5	245.8		28.5	84.7	58	3.9	19.3	11.6	0.1	6.1	2.8		
20/08/2022	9:00:00	23.7	8.9	4.8	264.4	W	35.9	43.8	7.5	257.6		25.2	100	66.3	-0.1	21.7	11.3	-0.7	7.3	3.7		
21/08/2022	9:00:00	20.6	6.3	3.9	293.9	WNW	76.8	31.9	3.2	265.3		16.7	96.7	60.3	-0.1	17.5	8.7	-8.7	6.8	-0.2		
22/08/2022	9:00:00	18.3	5.9	4	71.6	ENE	32.9	27.2	5.1	74.9		40.2	100	76.3	2	16.5	9.3	1.6	8.8	4.6		
23/08/2022	9:00:00	19.6	5.5	3.1	285.2	WNW	63.3	34.3	3.1	287.4		35.8	99	71	4.6	18.2	10.5	1.3	9.6	4.6		
24/08/2022	9:00:00	28.2	11.9	4.1	269.3	W	41.2	45	9	271.9		47.7	96.2	81.5	1.6	18.9	8.1	0.8	9.2	4.8		
25/08/2022	9:00:00	21.5	7.1	4.7	255	WSW	43	31.9	6	250.5		36.8	92.7	62	-1.8	14.2	6.1	-3.9	4.7	-1.1		
26/08/2022	9:00:00	20.2	4.7	4.6	339.1	NNW	85.2	29.6	2.3	248.2		22.8	99.3	65	0.9	16.1	7.6	-6.1	7.1	-0.2		
27/08/2022	9:00:00	15.8	5.2	3.6	61	ENE	24.1	24.9	4.6	63.8		43.2	100	76.8	3.7	16.6	9.7	2.7	8.8	5.2		
28/08/2022	9:00:00	20.2	8.2	3.1	81.2	E	21.9	27.2	7.6	80.5		53.2	100	83.9	8	16.3	10.8	5.4	10.8	7.8		
29/08/2022	9:00:00	16.4	6.1	3.7	69.5	ENE	24.6	30.8	5.6	69.7		47.7	100	85.7	6.1	17.8	10.9	5.7	11.4	8.3		
30/08/2022	9:00:00	20	5.8	4.7	58.4	ENE	47	30.8	4.8	64		67.3	100	91.7	7.5	16.3	11.2	7.3	12	9.8		
31/08/2022	9:00:00	9.1	3.2	1.8	237	WSW	49.9	13	2.1	238.1		75.8	100	91.3	10.2	15.2	12.1	9.8	13.7	10.7		
END OF DATA											Annual average (progressive)	3.0										
											Missing dated due pump/power malfunction at gauge											

Appendix B4; Monitoring Station: Doves West PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

:Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust/m3 PM2.5	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC
8/12/2021	9:00:00	11.1	3	1.7	92.1	E	88.5	16.6	0.9	62.4	1.5	0	97.3	83	0	25.7	18.8	0	17.3	15.5
9/12/2021	9:00:00	18.5	3.5	2.7	94.7	E	101.2	37.9	0.5	314.9	1.6	55.7	98.5	82.5	12.6	25.3	18.4	10.5	18.1	15.1
10/12/2021	9:00:00	15.3	3.4	3.1	274.2	W	82.4	26	1.7	289.7	1.5	44.2	96.3	71.7	13.4	27.4	19.7	7.4	17.6	14
11/12/2021	9:00:00	15.3	3.1	3	181.8	S	77.2	26	1.3	223.1	1.6	27.7	87.7	55.8	8.9	22.9	16.5	2.6	11.2	6.8
12/12/2021	9:00:00	12.7	4.2	1.8	73.9	ENE	74.1	18.9	1.7	63.8	1.9	39.5	93.2	70.8	12.1	25.1	17.8	7.6	14.4	11.7
13/12/2021	9:00:00	11.8	4	2.2	78.5	ENE	46.6	18.9	3	70.4	2	57.8	97.3	83	12.5	22.5	16.7	11.9	17	13.6
14/12/2021	9:00:00	10.5	2.9	2	80.6	E	72.1	17.8	1.5	65	2.6	43.2	100	76.3	12.8	25.7	18.3	10.9	16.3	13.6
15/12/2021	9:00:00	10.6	3.2	2	69.2	ENE	59.6	16.6	2.1	65.4	3	21.5	95.5	67	13.8	26.6	19.1	2.1	13.6	11.6
16/12/2021	9:00:00	9.4	2.5	2.1	98.4	E	78.4	16.6	1.4	77	4	25.8	91.7	56.8	12.4	27.4	20.1	5.7	13.9	10.3
17/12/2021	9:00:00	10	2.6	1.7	116.4	ESE	82.9	21.3	0.4	129.1	3.5	38.2	95.8	69.8	15	27.7	20.6	9.8	16.4	14.1
18/12/2021	9:00:00	11.6	4.1	2	76.7	ENE	47.7	21.3	3	72.3	3.6	60.2	96.5	83	15.5	25.2	19.3	14.3	18.4	16.1
19/12/2021	9:00:00	9.2	2.2	1.7	119.3	ESE	77.1	15.4	0.7	108.2	3.5	41	100	74.9	14.2	29.9	21.2	13.8	18.6	16
20/12/2021	9:00:00	10.5	2.3	2.2	200	SSW	92.8	21.3	0.5	253.2	4.2	45.7	81.8	63.9	15.3	28.9	21.8	10.9	19.1	14.4
21/12/2021	9:00:00	14.3	2.8	2.2	153.1	SSE	97.7	23.7	0	15.9	4.2	37.7	95.8	67.4	17.1	31.5	23.5	13.6	18.7	16.4
22/12/2021	9:00:00	18.5	2.3	2.3	312.9	NW	95.2	33.1	0.1	275.3	3.4	39.3	100	85.8	16.7	32.3	20.8	15.5	19.6	17.6
23/12/2021	9:00:00	12.6	2.3	2.1	88.9	E	71.6	18.9	1.3	64.7	2.8	54.7	98.5	81.2	16.3	27.1	20.2	13.9	19.6	16.5
24/12/2021	9:00:00	12.7	3.3	2	93.2	E	54.6	18.9	2.3	84.7	3.3	54.8	100	84.7	14.8	26.8	19.4	14.5	19	16.4
25/12/2021	9:00:00	9.8	3.1	1.6	93.5	E	54.8	21.3	2	89.7	2.4	48.8	97.3	79.6	16.3	29	20.5	15.4	20.3	16.5
26/12/2021	9:00:00	13.8	3.2	1.7	89	E	47.6	23.7	2.3	85.4	1.7	53.8	98.8	86	16.2	26.9	18.9	13.9	18.5	16.2
27/12/2021	9:00:00	10.5	3.3	1.8	84.9	E	47.2	21.3	2.4	79.1	1.9	55.2	99.7	83.1	15	26.2	19.3	14.8	18.7	16.1
28/12/2021	9:00:00	10.7	5.6	1.5	101.6	ESE	42.1	22.5	4.3	101.5	3.2	47.3	94.5	76.5	13.6	26.2	18.4	11.4	16.8	13.9
29/12/2021	9:00:00	11.8	4.9	1.8	97.7	E	39.8	22.5	3.8	99.4	1.7	68.5	97.2	85.4	10.8	17.8	13.7	9.7	13.4	11.2
30/12/2021	9:00:00	10.5	4.1	1.7	91.1	E	45.2	18.9	3	88.3	1.7	58.3	95.2	80.6	11.9	21.9	15.7	10.5	14.9	12.2
31/12/2021	9:00:00	12	4.3	2	89.9	E	42.6	23.7	3.2	88.3	2	51.8	98.7	82	11.8	22.5	16.1	10.6	14.5	12.7
1/01/2022	9:00:00	13.2	4.9	2.4	86.3	E	45.6	24.9	3.6	80.5	2	62	99.5	87.2	14	22.6	16.9	13	16.3	14.6
2/01/2022	9:00:00	10.3	3	1.5	96	E	43	18.9	2.2	89.1	0.4	69.5	99.8	89.8	14.1	20.3	16.8	13.1	17	15
3/01/2022	9:00:00	10.9	3	2.1	94.2	E	50.4	23.7	2.2	96.8		57	96.7	80.4	12.2	25.2	17.8	11.5	18.4	14.1
4/01/2022	9:00:00	8.4	2.9	1.9	111.8	ESE	58.1	17.8	2.1	116.2		44.2	91.7	71.1	14.3	28.3	20.4	12	17.1	14.5
5/01/2022	9:00:00	10.2	4.3	1.8	103.9	ESE	39	21.3	3.5	108		54.7	95.7	79.3	17.3	28.2	21.1	15	19.7	17
6/01/2022	9:00:00	9.6	4.6	1.5	101.9	ESE	40.4	20.1	3.6	102.1		69.5	99	89.7	17.7	25.3	20	16.9	20.8	18.1
7/01/2022	9:00:00	17.2	6.2	2	81.1	E	42.9	28.4	4.7	79		65.3	99.2	92	17.8	26	19.9	17.6	21.4	18.5
8/01/2022	9:00:00	12.7	5.4	2	78.1	ENE	45.3	22.5	4.1	73.5		79.7	100	95.3	17.6	24.5	19.5	17.5	21.9	18.7
9/01/2022	9:00:00	11.2	3.4	1.6	90.1	E	47.7	17.8	2.4	84.9		76.2	99.8	92.8	18.9	25.2	20.7	18.1	21.5	19.5
10/01/2022	9:00:00	12.1	4.5	2.1	74	ENE	52.8	20.1	3.2	71		61.2	99.7	86.4	16.7	28.5	21.5	16.3	22	18.8
11/01/2022	9:00:00	12.1	4.9	1.9	81.1	E	45.6	22.5	3.6	76.7		57.5	97.5	81.8	16	26.1	20.2	15.4	18.8	16.7
12/01/2022	9:00:00	12.9	4.2	1.7	94.4	E	44.5	21.3	3.1	90.8		59.2	99	81.9	13.6	26	19	13.2	19.1	15.6
13/01/2022	9:00:00	11.2	4.6	1.8	86.8	E	46.3	18.9	3.4	83.1		51.3	95.3	77	13.8	26.3	19.4	12.7	17.9	14.9
14/01/2022	9:00:00	11.2	4.4	1.5	92.1	E	46.4	22.5	3.2	88.4		42	98.7	73.7	13	26.2	18.5	11.2	15.4	13.2
15/01/2022	9:00:00	10.3	3.9	1.8	87.3	E	62.7	16.6	2.4	78.7		47.8	100	76.3	14.2	26.6	20.1	12.4	17.4	15.3
16/01/2022	9:00:00	11.7	4	2.2	79.9	E	80.3	20.1	1.8	68.9		44.3	100	80.4	15.6	30.1	21.2	14.3	20.1	17.1
17/01/2022	9:00:00	14	4	2	101.7	ESE	80	26	0.7	76.8		53.2	98.5	81.2	16.9	30	22.2	16.4	21.5	18.5
18/01/2022	9:00:00	12	4.1	1.7	80.1	E	49.6	18.9	2.9	75.3		55.2	99	81.4	19.2	29.3	23.2	16.6	21.5	19.5

Appendix B4; Monitoring Station: Doves West PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

:Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 PM2.5	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC
19/01/2022	9:00:00	9.6	2.7	1.8	103.5	ESE	66.5	15.4	1.7	90.8		59	100	89.5	18.8	29	21.5	18	21.2	19.4
20/01/2022	9:00:00	13.2	4.8	2	104	ESE	55.3	24.9	3.3	104.1		69	98	92.7	16.5	25.9	18.8	16	20.9	17.6
21/01/2022	9:00:00	14.8	7.8	1.8	109.4	ESE	35.4	33.1	6.5	110	4.2	77.5	96.3	90.7	13.8	19.9	16.1	12.1	18.3	14.6
22/01/2022	9:00:00	15.7	6.6	2.3	106	ESE	37	30.8	5.4	106.8	5.4	60.7	98.3	85.3	13.2	22.8	16.3	12.4	16.3	13.7
23/01/2022	9:00:00	12.8	3.7	1.8	97.6	E	43.1	21.3	2.9	100.5	3.4	67.3	95.8	86.6	12.8	22.1	16.2	11.8	17.4	13.9
24/01/2022	9:00:00	9.9	3.9	1.8	74.9	ENE	43	17.8	2.9	72.6	4.1	56	97.5	79.9	14	24.3	18.4	12.3	16.1	14.5
25/01/2022	9:00:00	11.2	3.5	1.7	72.6	ENE	50.1	21.3	2.6	68.5	3.9	48.8	99.7	81.5	15.9	27.2	19.9	12.9	19.1	16.2
26/01/2022	9:00:00	10.8	2.8	1.9	81.3	E	89.6	17.8	0.4	12.4	5.3	47.7	100	81.4	16.7	27.8	20.7	14.7	18.4	16.9
27/01/2022	9:00:00	10.5	4.3	1.7	77.8	ENE	44	17.8	3.3	73.7	3.5	74.7	100	93.6	14.5	24	18.1	14.5	21.5	17
28/01/2022	9:00:00	11.6	3.9	1.6	87	E	47.6	18.9	2.8	82.6	2.9	74	100	92.6	16	21.2	17.4	15	17.3	16.1
29/01/2022	9:00:00	14	4.2	2.2	84	E	48.2	22.5	3.1	75.1	3.3	65.7	98.8	89.9	15.4	24.2	18.5	14.7	19.8	16.7
30/01/2022	9:00:00	13.3	4.1	2	90.3	E	44.8	18.9	3	83.5	4.5	61.5	100	87.6	15.2	24.6	19.2	14.7	19.4	17
31/01/2022	9:00:00	10.5	3.5	1.9	84.4	E	47	20.1	2.5	81.3	6.5	51.2	98.5	79.9	16.4	26.2	20.5	14.3	18.3	16.6
1/02/2022	9:00:00	12.2	2.7	2	97.9	E	69.7	20.1	1.3	75.9	5.9	41.7	100	78.6	16.8	30.8	22.6	15.1	20.2	18.1
2/02/2022	9:00:00	10.3	3.3	2.1	236.2	SW	95.4	18.9	0.6	272.8	8.4	44.7	95.2	72.5	21	31.6	25.2	16.8	20.8	19.3
3/02/2022	9:00:00	14.4	2.8	2.8	351	N	97.6	31.9	0.9	320.3	6.1	59.5	100	89.5	18.3	29.4	22.3	18.3	22.6	20.3
4/02/2022	9:00:00	12	2.9	1.6	95.8	E	43.8	21.3	2.3	97.1	2.1	73.7	100	96.5	12.9	19.6	16.4	12	19.2	15.8
5/02/2022	9:00:00	11.5	5	1.6	112.6	ESE	34	21.3	4.2	114	5.7	59.2	92.5	79.4	10.3	22.3	15.5	8.4	15.8	11.8
6/02/2022	9:00:00	11.2	5.5	1.7	113	ESE	33.4	28.4	4.7	113.6	7.2	56	96.8	77.6	12.3	21	15.4	8.4	13.8	11.3
7/02/2022	9:00:00	12.8	5.4	1.9	115.2	ESE	31	23.7	4.7	115.8	6.3	49.8	98	78.4	12.6	22.6	16.1	10.3	13.6	12
8/02/2022	9:00:00	9.9	4	1.4	86.3	E	41.9	18.9	3.1	86.8		48.8	94.3	77.6	11	23.1	15.8	9	14.8	11.7
9/02/2022	9:00:00	10.2	3.4	1.7	79.5	E	52.2	16.6	2.4	73.3		45.5	96.8	74.7	11.9	23.6	17.3	8.7	14.2	12.2
10/02/2022	9:00:00	11.7	2.8	2	116.3	ESE	83.9	22.5	0.4	112.3		41.2	95.2	68.7	10.4	26.3	19.1	9.1	15.2	12.5
11/02/2022	9:00:00	10.7	3.3	1.8	96.4	E	45.7	20.1	2.5	94.8		29.8	76	53.4	13.6	28.1	20.8	7.4	12.6	10.3
12/02/2022	9:00:00	10.8	4	1.6	94.7	E	37.9	22.5	3.1	94.4		36	87.5	68.4	13.4	27.6	18.9	8.4	15.9	12.2
13/02/2022	9:00:00	11.5	5	1.5	95.7	E	40.1	23.7	3.9	96		55.3	88.8	75.2	11.5	24.1	16.6	9.3	15.6	12
14/02/2022	9:00:00	15.1	4.4	2.2	89.3	E	43.6	26	3.2	84.9		47.7	97.8	78.2	13	23.3	17.2	9.7	14.6	12.9
15/02/2022	9:00:00	10.8	4	1.5	94.7	E	42.5	21.3	3	91.9		64	99.7	90	14.4	22.1	16.6	12.7	16.8	14.8
16/02/2022	9:00:00	11.6	4.2	1.8	90.8	E	42.9	21.3	3.2	86.8	5.3	53.2	98.5	83	13.2	24	17	11.7	16.5	13.8
17/02/2022	9:00:00	10.9	3.5	2	92.2	E	48	17.8	2.5	83.5	5.4	62.5	100	85.7	13.3	22.8	17.3	13	16.5	14.7
18/02/2022	9:00:00	9.4	2.6	2	112.3	ESE	95.9	15.4	0.6	67.8	4.5	38.3	99.2	75.6	14.4	29.4	20.6	12.6	18.3	15.5
19/02/2022	9:00:00	11.3	3.9	1.7	85.2	E	77.1	21.3	1.1	80.2	4.8	39.2	88.3	67.9	16.3	30.6	21.8	13.3	18.5	15.3
20/02/2022	9:00:00	13.8	5.1	2	92.8	E	43.4	23.7	3.8	91.6	6.6	54.3	95.8	79.5	15	27.4	19.5	13.6	18.4	15.5
21/02/2022	9:00:00	9.8	2.9	1.8	94.1	E	56.1	17.8	2	85.3	4.5	56.5	100	84.2	13	25.6	18.9	12.8	18	15.9
22/02/2022	9:00:00	10.7	3.7	1.8	83.6	E	55	17.8	2.4	76.4	3.6	46.7	98.5	76.6	16.8	28.4	21.3	13.9	18	16.4
23/02/2022	9:00:00	13.7	5.1	2	89.5	E	44.5	24.9	3.7	85.9	3.1	58	99.5	86.2	16.4	26.6	19.5	16	19.1	16.9
24/02/2022	9:00:00	11.9	4.1	1.8	99.6	E	44.6	21.3	3	94.8	1.4	78.2	100	96	17.3	22	18.3	16.9	19.3	17.7
25/02/2022	9:00:00	14.9	5.8	2.1	86.2	E	44.7	27.2	4.3	82.1	2	84.3	100	96.6	17.2	22.1	18.7	17	20.2	18.2
26/02/2022	9:00:00	15.9	5.3	2	87.6	E	42.6	33.1	4	84.6	2.8	82.7	99.3	95.3	15.7	20.6	17.3	14.8	19.5	16.5
27/02/2022	9:00:00	11.4	4	1.4	101.7	ESE	38	23.7	3.2	100.9	1.6	87.3	100	97.7	15.3	19.3	16.9	14.7	17.9	16.5
28/02/2022	9:00:00	14.3	5.1	1.7	106.5	ESE	37.6	29.6	4.1	106.4	1.3	95	100	98.1	15.9	18.4	16.5	15.5	17.8	16.3
1/03/2022	9:00:00	14.2	4	2.2	110	ESE	35.3	21.3	3.4	113.3	1.4	75.5	100	94.8	16.3	23.5	18.2	16.3	20	17.3

Appendix B4; Monitoring Station: Doves West PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

:Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 PM2.5	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC
2/03/2022	9:00:00	10.5	2.9	1.8	81.7	E	52.4	16.6	2	74.6	2.1	59.5	100	90.4	16.5	27.7	19.7	16.3	21.1	17.9
3/03/2022	9:00:00	13.1	3	1.9	126.9	SE	90.8	26	0.3	112.3	3.1	49.5	100	84.4	15.1	28.3	20	13.9	21	16.9
4/03/2022	9:00:00	11.6	2.7	2.1	139.7	SE	98	18.9	0.1	274	2.5	44.7	100	84.4	16.1	28.9	20	13.9	18.7	16.7
5/03/2022	9:00:00	10.4	3.2	1.7	89.2	E	45.7	18.9	2.4	87.1	2	64.2	99.2	89	15.6	24.8	18.8	15.2	19.6	16.8
6/03/2022	9:00:00	9.2	3	1.6	111.4	ESE	77.3	16.6	1.1	98	3.1	53	100	84.1	16.6	27.4	21.1	16.2	20.1	18
7/03/2022	9:00:00	12.7	2.3	2.4	242.7	WSW	94	22.5	0.6	277.8	3.4	63.2	98.7	86.8	9.9	25.2	16.8	9.3	21.5	14.5
8/03/2022	9:00:00	8.5	2	1.7	174.3	S	92.4	17.8	0.3	223.7	2	51.2	100	87.8	10.2	22.9	14.9	10.1	15.1	12.5
9/03/2022	9:00:00	15.3	3.5	2.9	304.8	NW	87.8	26	1.5	287.4	2.4	62.5	100	77.9	15.6	24.8	20.3	14.8	18.1	16.2
10/03/2022	9:00:00	13	4.7	2.3	75.9	ENE	82.8	28.4	1.2	51.3	2.9	50.2	98.7	80.4	15.2	27.9	20.6	14.5	19.6	16.6
11/03/2022	9:00:00	12.2	4.7	1.9	82.9	E	44.5	21.3	3.5	77.3	2.4	70.3	100	92.2	14.1	22.3	16.5	14	18.2	15.1
12/03/2022	9:00:00	8.9	3.5	1.2	94.5	E	41.7	14.2	2.6	93.6	1.2	85.8	99.7	95.7	12.5	17.5	14.7	12.4	16	14
13/03/2022	9:00:00	13.7	4.3	1.8	87.4	E	43.6	24.9	3.2	83.8	2.6	53	97.7	82.2	12.3	22.9	16.4	11.5	15.5	13.1
14/03/2022	9:00:00	10.3	3.6	1.8	86.8	E	44.4	18.9	2.6	82.8	2.2	60.2	100	85.3	12	22.1	16.2	11.9	16.3	13.5
15/03/2022	9:00:00	9.3	3.5	1.4	90.6	E	42.8	22.5	2.7	90.3	2.5	50.2	95.5	78.9	12.6	23.9	17.2	11.7	15.2	13.1
16/03/2022	9:00:00	10.3	3.6	1.5	97.5	E	39.3	17.8	2.8	96.7	2.2	58.5	100	86.8	14.1	23.6	16.9	13.6	16.6	14.5
17/03/2022	9:00:00	14.3	3.5	1.8	89.6	E	41.6	21.3	2.6	87.1	2.9	58.5	98.7	85.6	14.9	24.7	18.1	13.8	18	15.4
18/03/2022	9:00:00	10.2	3.6	1.6	82.5	E	47.2	17.8	2.6	79.1	3.2	54	98.3	82.2	15.1	25.6	19.2	14.5	17.6	15.7
19/03/2022	9:00:00	12.8	3.8	1.6	86.8	E	44.1	18.9	2.9	83.6	4.7	63.3	98.7	86.9	12.4	24.2	17.1	11.9	19.2	14.8
20/03/2022	9:00:00	13.4	3.6	1.7	91.3	E	42.2	26	2.8	90.4	4.9	63.3	98.2	83.9	12.5	22.7	17.2	11.9	16.4	14.3
21/03/2022	9:00:00	8.4	2.9	1.9	98.2	E	68.4	18.9	1.6	82.4	5	37	100	79.5	8.1	27	16.6	8	15.8	12.5
22/03/2022	9:00:00	10.5	3.1	2	88.6	E	58.3	16.6	2.2	74.8	5.8	45.5	100	77.8	11	25.1	17.2	9.8	15	12.8
23/03/2022	9:00:00	10.3	2.5	2	131.4	SE	82.1	17.8	0.9	96.5	7.5	37.2	100	74.6	11.9	27.5	18.3	10.9	15.8	13
24/03/2022	9:00:00	11.2	3.5	2.1	88.1	E	91.1	17.8	0.7	59.1	9	43.2	97.7	73.3	15	29	20.8	13.3	17.5	15.2
25/03/2022	9:00:00	10.9	3.2	1.6	81.3	E	57	15.4	2.1	78.8	7.5	65.2	99.7	89.2	13.4	24.8	18.3	13.2	19.8	16.4
26/03/2022	9:00:00	10.6	3.1	1.5	91.6	E	62.5	16.6	1.9	85.4	3.2	56.7	100	94	14.1	25.4	16.1	12.9	18.5	15
27/03/2022	9:00:00	9.9	4.1	1.2	96.5	E	41.3	18.9	3.2	96.2	1.2	73.2	100	92.9	14.1	20.7	15.9	13.8	16.9	14.7
28/03/2022	9:00:00	11.4	2.6	1.8	96.7	E	55.5	16.6	1.9	90.1	1.2	82.3	100	95.5	12.8	20.6	16.1	12.5	18.3	15.4
29/03/2022	9:00:00	14.3	3.4	1.8	99.9	E	45.8	22.5	2.5	95.3	1.3	90.2	100	98.4	14	17.7	15.7	13.8	17	15.4
30/03/2022	9:00:00	8.2	2.6	1.8	126.3	SE	71.4	16.6	1.5	114.8	1.2	79.5	100	96.9	14.6	21	16.4	14.6	18.5	15.9
31/03/2022	9:00:00	9.8	1.8	2	208.3	SSW	89.4	15.4	0.7	186.9	1.3	72.8	100	92.1	12.8	22.9	16.9	12.5	19.4	15.5
1/04/2022	9:00:00	6.7	1.9	1.4	104.1	ESE	62.9	14.2	1.3	109.2	1.8	56	98.3	83.1	9	24.8	16.8	8.3	17.3	13.7
2/04/2022	9:00:00	11.8	2.9	2.1	105	ESE	87.7	21.3	0.4	80.1	2.2	39.2	100	74.8	10.5	22.9	16.2	6.9	14.3	10.9
3/04/2022	9:00:00	14.9	3.4	3	187.2	S	86.1	26	1	239.7	6.2	43	89.7	67.4	10.2	22.6	15.7	7.3	15.5	9.3
4/04/2022	9:00:00	13.5	2.7	2.1	30.8	NNE	94.1	22.5	0.6	6.5	3.1	61.2	99.8	88.8	12.9	24.6	16.5	12.5	17.8	14.4
5/04/2022	9:00:00	10.9	2	2.2	193	SSW	89.3	17.8	0.6	272.6	2.8	59	100	87.3	12.8	23.4	17	12.6	18.4	14.7
6/04/2022	9:00:00	9	3.1	1.3	92.1	E	55.6	15.4	1.9	85.5	3.1	57.5	98.7	87.6	15	25.4	18.5	14.6	18.4	16.2
7/04/2022	9:00:00	11.5	4.5	1.7	79	E	41.6	18.9	3.5	74.7	2.4	70.2	98.7	89.6	13.4	21.3	16.3	13.1	16.6	14.4
8/04/2022	9:00:00	10.1	4.1	1.4	97.1	E	41.8	18.9	3.1	96.6	1.6	66.3	99.2	92.5	13.8	21.9	15.6	13.3	16.4	14.3
9/04/2022	9:00:00	12	4.8	1.6	99.5	E	39.8	24.9	3.7	99.5	1.6	82.7	100	94.7	13.5	17.8	15.2	13.4	16.2	14.3
10/04/2022	9:00:00	11	3.9	1.8	97.3	E	40.9	23.7	2.9	95.3	2.3	66.5	100	91	13.2	22	15.9	13.1	16.3	14.3
11/04/2022	9:00:00	9	2.9	1.8	77.6	ENE	54.7	14.2	2	72.5	2.4	63.3	100	87.6	12.8	23.1	16.9	12.8	17.1	14.7
12/04/2022	9:00:00	7.6	2	1.5	138.9	SE	76.6	14.2	0.7	130	2.3	49.5	100	82.6	12.2	25.9	18.2	12.1	17.5	14.8

Appendix B4; Monitoring Station: Doves West PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

:Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 PM2.5	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC
13/04/2022	9:00:00	9.8	4.1	1.6	68.4	ENE	42.1	15.4	3.3	65.3	3.5	54.8	98	84.3	13.8	24.8	17.6	13.1	17.2	14.7
14/04/2022	9:00:00	10.4	3.8	1.3	93.1	E	44.1	16.6	2.9	90.8	2.3	71.3	99.2	92.6	9.9	20.1	13.4	9.6	15.9	12.1
15/04/2022	9:00:00	10.2	4	1.4	109	ESE	36.1	18.9	3.3	107.8	1.4	59	98.8	87.8	11.2	19.4	13.9	10.4	13.6	11.7
16/04/2022	9:00:00	9.3	2.9	1.8	98.2	E	42.5	18.9	2.2	96.1	1.8	57.8	99.2	83.5	9.2	21	14.2	8.6	14.2	11.2
17/04/2022	9:00:00	8.5	2.3	1.5	100.3	E	43.7	14.2	1.8	96.7	1.4	61	100	87.3	10.3	19.3	14.1	10	13.4	11.8
18/04/2022	9:00:00	7.9	2.3	1.6	97.2	E	47.3	14.2	1.7	91.7	1.2	69.5	99.5	88.8	12.8	18.6	14.8	10.9	14.1	12.9
19/04/2022	9:00:00	10.4	3.1	1.9	90.7	E	56.6	16.6	2.2	76.8	1.7	61.8	100	83.6	9.1	20.6	14.7	8.9	14.1	11.7
20/04/2022	9:00:00	11.8	3.8	2.4	286.1	WNW	71.8	22.5	2.3	290.9	2.1	52.2	99.3	79.3	14.2	23.6	18	10.5	15.3	14
21/04/2022	9:00:00	14.2	3.2	2.7	128.5	SE	84.4	35.5	0.5	169.9	1.7	34	99	76.2	9.4	21.9	15.3	5.1	15.1	10.5
22/04/2022	9:00:00	11.9	4.3	1.8	77.9	ESE	43.6	20.1	3.3	72.6	2.3	56.3	98.7	83.9	11.7	21.7	15.3	10.8	14.4	12.3
23/04/2022	9:00:00	12.4	4.6	1.5	106.7	ESE	38.1	18.9	3.7	106.2	1.4	67.7	99.8	91	11.8	18.7	14	11.5	14.2	12.4
24/04/2022	9:00:00	14	5.4	1.6	101.9	ESE	39.2	33.1	4.3	101.8	1.1	78	98	91.1	11.2	17.7	13	10	14.9	11.6
25/04/2022	9:00:00	13.3	6	1.5	100.6	E	38.8	26	4.8	101.3	1.1	72.7	95.7	89	10.8	17.2	12.6	9.2	13.8	10.8
26/04/2022	9:00:00	13.5	4.8	2.1	91.2	E	43.2	24.9	3.6	89.1	1.3	63.3	98.5	88.6	11	17.7	13	9.3	12.3	11
27/04/2022	9:00:00	11.7	4.8	1.9	77.3	ENE	41.7	27.2	3.7	73.5	1.2	79.7	100	92.3	12.2	15.6	13.3	10.5	13.6	12
28/04/2022	9:00:00	11.2	3.7	1.8	86	E	46.5	17.8	2.7	78.4	1.4	73.3	100	92.5	13.3	19	15.2	12.8	15.5	13.9
29/04/2022	9:00:00	11.7	3.6	2.1	80.3	E	43.5	16.6	2.8	69.8	1.8	66.2	100	89.7	13.4	21.5	16.2	13.3	16.4	14.4
30/04/2022	9:00:00	10.7	2.9	2	88.7	E	48.8	17.8	2.1	76	1.3	75.2	100	92.6	14.3	21	16.5	14.2	17.6	15.2
1/05/2022	9:00:00	7.4	1.6	1.7	84.9	E	94.8	13	0.3	52.3	1.7	61.8	99.7	85.3	13.3	22.9	16.8	13	16.2	14.1
2/05/2022	9:00:00	10.4	3.2	1.6	83.4	E	40	17.8	2.5	78.6	1.4	72.8	99.5	91.7	11.6	19.8	14.3	11.4	15.5	12.9
3/05/2022	9:00:00	9.1	3.2	1.8	80.3	E	39	16.6	2.5	77	2.3	54.3	99.3	84.3	9	20.3	13.6	8.7	13.4	10.8
4/05/2022	9:00:00	9.8	2.4	1.9	79.5	E	43.7	16.6	1.8	72.5	1.6	70	99.7	90.2	12.5	19.2	14.4	10.8	14.3	12.7
5/05/2022	9:00:00	8.6	3	1.6	112.9	ESE	61.1	14.2	1.7	98.8	1.8	51.3	100	86.8	12.4	21.5	15.6	10.4	15.3	13
6/05/2022	9:00:00	8	0.7	1.1	230.8	SW	96.7	15.4	0.2	274.7	1.4	91.7	100	98.1	13.8	17.5	15.4	13.8	16.9	15.1
7/05/2022	9:00:00	6.8	0.7	1.2	223.6	SW	95.8	11.8	0.3	273.8	1.3	76.8	100	97.3	9.1	18.4	12.9	9.1	16.3	12.5
8/05/2022	9:00:00	9.3	1.4	1.5	188.6	S	100.1	16.6	0	159.2	1.3	78	100	93.1	9	16	12.2	8.8	13.9	11.1
9/05/2022	9:00:00	10.8	4.1	1.8	75.8	ENE	40.8	16.6	3.2	70.7	1.7	75.8	98.3	91.8	10.5	17.9	12.6	9.6	14.3	11.3
10/05/2022	9:00:00	11.4	4.5	1.7	92.8	E	40.5	21.3	3.5	92.1	1.2	73	95.7	87.9	11.2	16.1	12.5	9.9	11.6	10.5
11/05/2022	9:00:00	14.7	6	1.7	98	E	40.7	35.5	4.7	97.5	1.3	81.3	99	91.8	11.6	14.7	12.7	10.3	12.2	11.4
12/05/2022	9:00:00	14.2	5.9	2.4	95.4	E	41.1	35.5	4.5	92	1.5	86.3	100	97.2	12	14.7	13.4	11.5	14.3	13
13/05/2022	9:00:00	13.7	3.9	2	94.4	E	43.1	27.2	3	89.3	1.6	95.7	100	99.4	14.5	16.8	15.5	14	16.7	15.4
14/05/2022	9:00:00	16.7	5	2.5	85.2	E	45.6	27.2	3.7	77.6	2.6	86.5	100	97.1	14.7	18.4	16.2	14.6	17.5	15.7
15/05/2022	9:00:00	13.8	3.6	2.6	96.2	E	39.6	23.7	2.8	84.5	1.4	93.5	100	99	15.2	18.5	16.3	15	18.4	16.1
16/05/2022	9:00:00	6.9	1.3	1.5	99.2	E	80.1	13	0.7	83.7	1.3	74.3	100	96	14	24	17.9	13.9	20.3	17.2
17/05/2022	9:00:00	9.3	1.5	1.9	167.4	SSE	92	16.6	0.5	280.7	1.6	66.5	100	92.7	11.3	24.4	17	11.2	19.7	15.7
18/05/2022	9:00:00	9.5	2.9	2.1	77.6	ENE	65.9	15.4	2.1	67.8	2.5	66.5	100	92.5	10.3	22.9	15.3	10.2	17.7	13.9
19/05/2022	9:00:00	10.4	2.4	2.2	137.4	SE	89.7	17.8	0.1	203.5	2.4	48.7	97.8	81.5	8	20.8	13.7	6.6	14.5	10.3
20/05/2022	9:00:00	10.3	4.8	1.6	79.7	E	42	22.5	3.7	77.5	2.3	73	98.3	90.1	10.4	17.3	12.9	8.6	13.8	11.3
21/05/2022	9:00:00	11.5	4.4	1.4	101.9	ESE	37.4	21.3	3.6	102.2	1.2	88.2	100	96.7	10.2	11.4	10.8	9.2	11	10.3
22/05/2022	9:00:00	12.3	5.2	1.4	105.1	ESE	36.8	26	4.3	105.9	1.2	82.7	100	97.8	10.2	14.6	11	10	12.2	10.7
23/05/2022	9:00:00	12.3	5.3	1.7	102	ESE	38.5	26	4.2	102.3	1.2	75.2	98.8	91.1	9.6	15.6	11.4	8.8	12.2	10
24/05/2022	9:00:00	13.4	4.5	1.7	101.6	ESE	38.6	28.4	3.6	102	1.2	79.5	100	94.8	10.2	14.6	11.4	10.1	12.3	10.5

Appendix B4; Monitoring Station: Doves West PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

:Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust/m3 PM2.5	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC
25/05/2022	9:00:00	11.2	3.7	1.5	92.8	E	38.7	21.3	2.9	92.4	1.2	77.3	100	93.3	9.4	15.9	11.4	8.7	12.5	10.3
26/05/2022	9:00:00	10.1	2.8	1.6	94.3	E	38.5	16.6	2.2	91.5	1.2	77.2	100	94.6	10.3	14.7	11.7	10.2	12.7	10.8
27/05/2022	9:00:00	10.2	2.7	1.8	84.6	E	41.8	16.6	2.1	80.9	1.4	69.7	100	91.3	9.1	17.6	12.2	8.9	13.4	10.8
28/05/2022	9:00:00	8.7	2.2	2	90.5	E	64.5	14.2	1.5	70.8	1.3	70.3	100	89.2	8.3	17.9	12.9	8	13.3	11.1
29/05/2022	9:00:00	11.5	2.5	2.3	282.8	WNW	88.4	23.7	1.1	269.7	1.4	57.8	100	86.9	7.6	19.1	11.9	7.5	12.6	9.5
30/05/2022	9:00:00	14.1	3.9	2.9	236.5	WSW	78.6	26	1.9	251.9	1	60.7	90.8	80.2	5	13.6	8.4	3.4	9.3	5.1
31/05/2022	9:00:00	22.5	9.4	3.4	291.3	WNW	52.6	50.9	6.6	294.8	1	65.7	98.5	82.6	4.9	12.9	9.1	2	10.5	6.2
1/06/2022	9:00:00	20.4	9.4	2.4	236.5	WSW	58.3	42.6	5.6	241.3	1	69.2	95.2	85.5	5.1	11.7	8.2	4.1	7.2	5.9
2/06/2022	9:00:00	19.3	4.9	4.3	226.1	SW	80.6	42.6	2.5	231.1	1.1	56.3	92.5	75.9	0.2	10.8	5.3	-1.3	5.2	1.2
3/06/2022	9:00:00	9.8	2.6	2.1	109.1	ESE	68	14.2	1.6	95.7	1.2	49.5	98.8	80.8	1.9	14.5	7.3	0.7	7	3.9
4/06/2022	9:00:00	13.3	4	2.9	272.3	W	75.3	30.8	2.2	282.6	1.2	48.8	99.8	87.5	8.2	16	10.8	4.2	10.7	8.5
5/06/2022	9:00:00	12.8	2.7	2.7	245.9	WSW	82.5	26	1.2	238.5	1.1	86.7	100	95.9	0.8	9.2	5.8	0.8	8.3	5.1
6/06/2022	9:00:00	15.9	5.2	3.3	266.5	W	72.9	30.8	2.9	276.3	1.3	36	97.3	72.7	8	17.4	11.6	0.4	11.3	6.3
7/06/2022	9:00:00	19.1	5.8	3.7	225.5	SW	69.9	39	3.1	233.1	1	58.8	93.3	77.4	2.4	13	7.3	1.3	7.1	3.4
8/06/2022	9:00:00	13.6	4.1	2.4	226.6	SW	69.2	27.2	2.1	228.2	1.1	55	94	77.1	2.8	11.5	6.1	0.5	4.7	2.2
9/06/2022	9:00:00	13.5	3.6	2.2	278.6	W	70.3	23.7	1.9	274.6	1	47.5	94.5	76	-1	11.8	4.4	-1.9	3.2	0.2
10/06/2022	9:00:00	13.7	3.9	2.9	282.9	WNW	67.3	27.2	2.3	276.9	1.1	57.7	98	81.7	-0.8	9.2	3.4	-1.5	2.3	0.3
11/06/2022	9:00:00	12.7	3.9	2.5	268.2	W	77.7	29.6	1.8	260.1	1.1	63.7	96.7	82.2	0.7	9.9	4.8	-0.1	4.1	1.9
12/06/2022	9:00:00	13.8	5.3	2.3	272.3	W	64.4	28.4	3	274.9	1.1	60.7	99	82.7	1.2	11.1	5.5	0.8	4.7	2.6
13/06/2022	9:00:00	12.9	3	2.8	247.1	WSW	83	28.4	1.4	262.5	1.5	53.5	100	81.9	-0.2	12.8	5.4	-0.7	4.5	2.3
14/06/2022	9:00:00	9	2.1	2	100.9	E	64.5	14.2	1.5	83.4	1.8	49.2	100	84.2	4.4	16.5	9.1	3.5	9.1	6.2
15/06/2022	9:00:00	9.8	1.6	2.2	227	SW	93.9	16.6	0.6	293.1	1.9	51.2	100	85.4	4.2	17.1	9.7	4	10.9	7.1
16/06/2022	9:00:00	11.8	2.1	2.5	190.7	S	83.3	23.7	0.7	266	2.5	58.2	100	86.1	4.9	16.7	9.8	4.5	10.8	7.3
17/06/2022	9:00:00	13	2.3	2.7	213.1	SSW	79.5	27.2	0.9	228.7	2.1	40.8	92.5	70.2	3.2	16.5	9.4	1.7	9.7	3.8
18/06/2022	9:00:00	9.7	1.9	2.1	179.2	S	91.7	17.8	0.6	214.6	1.4	49.8	98.8	79.1	2.7	16	8.5	2	7.1	4.7
19/06/2022	9:00:00	6.6	2.1	1.7	97.7	E	67.5	13	1.4	87.2	1.3	45.3	99.7	80.1	3.8	17.1	9.7	3.1	9.6	6.1
20/06/2022	9:00:00	8.4	2.3	1.6	94.9	E	40.4	15.4	1.8	95.3	1.1	65.5	95.2	85.6	6.8	16.4	10.4	5.2	10.5	8
21/06/2022	9:00:00	8.7	2.5	2.1	94.9	E	60.8	14.2	1.9	75.7	1.3	55.2	100	85.8	2.7	16.6	9.2	2.4	9.3	6.7
22/06/2022	9:00:00	9.6	1.4	1.8	175.1	S	92.6	16.6	0.4	249.4	1.9	47.8	98.8	79	4.4	17.4	10.2	3.7	9.4	6.4
23/06/2022	9:00:00	12.2	1.8	2.2	195.3	SSW	84.2	21.3	0.7	220.7	1.4	48.5	100	79.6	3.8	17.6	9.8	3	9.5	6
24/06/2022	9:00:00	9.5	2.1	2	245.7	WSW	84.4	15.4	0.8	263.2	1.3	34.7	96.2	67.7	1.2	17.5	8.8	-0.3	8.6	2.6
25/06/2022	9:00:00	13.8	2.8	2.9	215.4	SW	89.6	27.2	1.1	242	1.2	37.7	99.3	69.9	1.3	15.4	8.1	-0.3	5.4	2.4
26/06/2022	9:00:00	7.4	1.5	1.7	182.8	S	87	13	0.3	213.9	1.5	23.7	99.5	74.1	1.8	17.5	8.2	-4.1	6.5	2.8
27/06/2022	9:00:00	10.1	1.6	1.7	160.5	SSE	95	14.2	0.3	175	2.6	25.5	95.7	72.3	2.8	18.9	9.2	-2.5	9	3.6
28/06/2022	9:00:00	12.2	2.1	2.1	184.7	S	94.2	18.9	0.3	200	1.4	44.3	88.5	66.9	0.7	16.2	7.7	-1.6	6.7	1.6
29/06/2022	9:00:00	11	4	1.5	104.4	ESE	38	21.3	3.2	104.8	1.3	53.3	98	79.2	5.6	14.1	8.7	3.2	8.1	5
30/06/2022	9:00:00	11	1.9	1.8	104.8	ESE	70.8	18.9	1.2	93.3	1.3	70.2	99.8	89.6	4.7	11.2	8.2	4.3	8.7	6.5
1/07/2022	9:00:00	9.4	2.2	1.6	94.3	E	74	14.2	0.8	76.1	1.8	67.3	98.7	85.1	8.3	14	10.8	7.3	9.5	8.3
2/07/2022	9:00:00	9.4	2.4	1.7	83.6	E	53	15.4	1.8	78.6	1.2	89.8	100	97.8	8.8	11.3	9.8	8.7	10.4	9.4
3/07/2022	9:00:00	7.5	1.3	1.4	281	W	82.2	14.2	0.7	285.4	1.5	82.7	100	97.2	5	12.7	8.4	5	11.3	8
4/07/2022	9:00:00	11.2	2.8	2.1	276	W	74.4	18.9	1.5	281.2	1.3	55	100	88.5	2.5	13.4	6.2	2.4	7.7	4.2
5/07/2022	9:00:00	15.5	3.3	2.3	344.7	NNW	88.3	21.3	1	8.2	1.3	74.8	100	92.6	4.5	8.1	6.1	3.5	7	5

Appendix B4; Monitoring Station: Doves West PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

:Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust ug/m3 PM2.5	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC
6/07/2022	9:00:00	15.9	2.3	2.8	80.2	E	53.2	30.8	1.9	70	1.2	98.5	100	99.7	7.1	11.3	9.6	6.9	11.3	9.5
7/07/2022	9:00:00	10.8	3.4	1.7	256.4	WSW	80.6	21.3	1.5	269.4	1.2	92.8	100	99.1	7.5	14.5	9.3	7.5	13.7	9.2
8/07/2022	9:00:00	12.1	4.9	1.9	238	WSW	66	24.9	2.5	244.3	1.3	80.2	100	93.7	2.7	14.6	9.1	2.3	12.8	8.1
9/07/2022	9:00:00	14	3.7	2.7	268	W	73.7	27.2	2.1	269.7	1.1	61.5	97.5	82.6	-0.1	10.7	5	-0.7	4.7	2.1
10/07/2022	9:00:00	10.4	1.7	2.1	217.4	SW	93	16.6	0.5	273.1	1.5	52.8	100	83.6	-0.7	12.6	4.8	-1	5.2	2
11/07/2022	9:00:00	8.9	1.4	1.6	159.6	SSE	89.9	16.6	0.3	114.9	1.3	38.8	97.2	76	0.9	14.1	6.8	-0.7	6.5	2.4
12/07/2022	9:00:00	12.8	2.8	2.2	106	ESE	63.2	21.3	1.8	98.4	1.3	64.2	99.3	85.8	5.3	14.5	9	4.7	8.8	6.6
13/07/2022	9:00:00	12	2.1	2.5	319.7	NW	97.7	24.9	1	293.3	1.3	42.5	87.2	73.4	1.9	14.8	7.5	-0.2	8.7	2.9
14/07/2022	9:00:00	11.7	4.8	1.8	266.8	W	66.6	21.3	2.6	269.4	1.2	64.2	97	86.2	1.7	10.7	4.9	0.9	5.8	2.7
15/07/2022	9:00:00	8.5	1.2	1.6	182	S	81.4	13	0.5	177.2	1.4	52.8	98.8	79	1	14.2	6.6	0	5.8	2.9
16/07/2022	9:00:00	7.6	1.7	1.7	145	SE	78.6	10.6	0.6	129.1	1.5	32.8	100	73.3	0.7	15.4	7.2	-2.2	5.5	1.7
17/07/2022	9:00:00	12.1	2.5	2.6	211.6	SSW	95.1	18.9	0.6	255.6	1.8	40.7	99.3	73.1	1.9	15.6	8.2	-0.4	7.9	3.1
18/07/2022	9:00:00	15.5	5.2	3.2	297.1	WNW	69.2	30.8	3	293.1	1.5	52.2	89.2	71	6.9	16.5	11	3.5	7.8	5.7
19/07/2022	9:00:00	15	3.1	3.2	192.9	SSW	85.6	37.9	1.2	208.3	1.4	43.5	94.5	69.6	-0.2	16.2	7.7	-1.6	7.9	2
20/07/2022	9:00:00	10.3	4.6	1.4	97.1	E	39.6	18.9	3.6	97	1.3	64.8	98.7	84.1	6.7	10.4	7.7	3.5	7.5	5.1
21/07/2022	9:00:00	11.6	6.2	1.7	100.9	E	39	24.9	4.9	101.5	1.1	85	97.7	92.4	6	10.3	7.5	5.1	9.3	6.4
22/07/2022	9:00:00	17.1	8.8	1.8	109.9	ESE	33.4	35.5	7.5	110.5	1.2	87.8	98.5	95.5	7.8	9.6	8.6	6.8	8.9	7.9
23/07/2022	9:00:00	17.5	6.9	2.3	111.6	ESE	33	30.8	5.9	113	1.7	73.3	97.7	89.7	7.1	13.3	9.6	5.6	10	8
24/07/2022	9:00:00	10.4	2.6	2.1	91.6	E	40.8	18.9	2.1	102.7	1.1	67.3	98.3	86.6	5.2	14.9	9.5	4.6	10.2	7.3
25/07/2022	9:00:00	9.2	2.5	2	82.9	E	55.7	16.6	1.9	72.9	1.5	51.3	100	82.8	3.6	17.1	9.8	3.2	9	6.7
26/07/2022	9:00:00	11.8	2.6	2.4	244	WSW	92.4	20.1	0.9	274.8	3.2	49.3	97.3	80	4.7	17.7	11.2	3.7	10.5	7.5
27/07/2022	9:00:00	16.7	6.6	2.6	244	WSW	63.5	34.3	3.6	252.6	1.6	60.2	82.2	72.8	1.7	18.6	9.1	-1.7	12.2	4.4
28/07/2022	9:00:00	15.3	3.3	3.4	199.6	SSW	80.1	31.9	1.7	226	1.9	41.2	95.7	71.5	0.3	12.7	5.9	-1.1	4.3	0.7
29/07/2022	9:00:00	9.3	1.9	2	163.3	SSE	90.4	16.6	0.4	183.2	2.6	40.2	96	69	-0.1	16.4	7.6	-1.2	6.3	1.7
30/07/2022	9:00:00	12.7	3	2.3	94.6	E	88.1	24.9	0.2	7.9	2.1	33.2	97.2	69.4	3.2	15.5	8.2	-1.5	4.9	2.3
31/07/2022	9:00:00	13	3.7	2	95.2	E	48.3	24.9	2.6	87.3	1.5	39.8	98.8	76.7	3.8	13.2	8.1	-1.3	8	3.7
1/08/2022	9:00:00	11.7	3.5	2.5	87.5	E	72.8	20.1	1.7	67	1.2	74.7	96.8	86.8	6.4	12.1	9.4	5.5	9.4	7.3
2/08/2022	9:00:00	14.7	2	2.7	310.2	NW	82.5	26	1.3	301.8	1.6	58.3	100	90.6	5.7	16.7	9.9	5.7	10.5	8.2
3/08/2022	9:00:00	11.7	2.2	1.9	145.7	SE	82.6	16.6	0.5	144	2.2	43.2	100	79.8	4.9	16.8	10.3	3.4	10.7	6.4
4/08/2022	9:00:00	12.5	2.9	2.6	191.3	SSW	89.4	24.9	0.8	258.8	6.2	67.8	100	88	7.7	17.8	12.2	7	13.2	10.1
5/08/2022	9:00:00	19.6	6.5	3.2	295.5	WNW	60.5	34.3	4.4	297.8	3.9	49	98.2	76.3	12.6	21	15.9	9.1	13.3	11.5
6/08/2022	9:00:00	15.6	6.1	2.2	272.5	W	60.7	27.2	3.7	279.9	1.2	83.5	99.3	94.7	8	14.1	10.2	7.2	14	9.4
7/08/2022	9:00:00	15.3	3.7	3.3	238.4	WSW	77.9	37.9	1.8	244.6	1.1	55.8	94.3	78.1	4	14	8.2	2.2	9.9	4.5
8/08/2022	9:00:00	15	3.1	3.1	255.5	WSW	81.6	31.9	1.5	253.7	1.1	42.8	95.3	70.4	1.8	14.2	7.2	0.1	5.7	1.7
9/08/2022	9:00:00	10.2	1.7	1.9	189.2	S	93.1	17.8	0.5	198.3	1.4	31.7	100	70.7	2.2	17.6	8.3	-1.4	8	2.4
10/08/2022	9:00:00	10.7	2.3	1.7	104.6	ESE	71.4	14.2	0.9	99.2	2.2	38.8	98	74	1.7	16.9	7.9	0.5	7	3.1
11/08/2022	9:00:00	12.5	3.7	2.1	79.6	E	38.9	22.5	2.9	78.8	1.8	48.5	98.8	78.8	4.8	15.6	9.1	3	8	5.3
12/08/2022	9:00:00	10.2	2.9	2.3	100.6	E	72.7	16.6	1.6	82.3	4.4	41.2	99.3	79.2	5	17.5	10	2.7	9.1	6
13/08/2022	9:00:00	10.2	2.6	1.7	12.4	NNE	94	18.9	0.6	338.4	7.6	62.7	99.7	84.8	9.1	14.8	11.5	7.1	11.3	8.8
14/08/2022	9:00:00	16.9	4.9	2.4	224	SW	82.1	30.8	1.7	245.4	1.1	55.2	94.5	77.1	5.1	14.6	9	2.8	12	5.1
15/08/2022	9:00:00	15.9	4.3	3.3	244.7	WSW	78	30.8	2.1	249.8	1.2	43	90.2	71.1	3.3	14	7.8	0.9	4.8	2.5
16/08/2022	9:00:00	13.7	3	3	204.1	SSW	87.2	31.9	1.2	240.8	1.8	45.7	90.5	70.1	2.2	13.9	7.3	0.2	4.7	1.9

Appendix B4; Monitoring Station: Doves West PM2.5

;Memory: Daily Summary - The values in the Daily Summary represent the 24 hours up to 9am on the date of the record

:Date	Time	MAXIMUM Wind Speed km/h	AVERAGE Wind Speed km/h	STDEV Wind Speed km/h	AVGDIR Wind Direction Degs	AVGDIR Wind Direction DESCRIPTION	S THETA Wind Direction Degs	MAXIMUM Peak Wind Gust km/h	VWSP Vector Wind Spd km/h	VWDIR Vector Wind Dir Degs	AVERAGE Area Dust Monitor ug/m3 PM2.5	MINIMUM Relative Humidity %	MAXIMUM Relative Humidity %	AVERAGE Relative Humidity %	MINIMUM Air Temperature DegC	MAXIMUM Air Temperature DegC	AVERAGE Air Temperature DegC	MINIMUM Dew Point DegC	MAXIMUM Dew Point DegC	AVERAGE Dew Point DegC	
17/08/2022	9:00:00	13.9	2.7	2.9	228.8	SW	88.9	27.2	0.9	256.9	1.3	46.8	98.8	81.6	1.1	14.7	6.7	0.5	5.5	3.2	
18/08/2022	9:00:00	9.1	1.8	1.9	140.2	SE	93.5	15.4	0.5	106.8	3	35.5	98.5	70.4	2	16.4	8.9	0.3	5.9	3.2	
19/08/2022	9:00:00	12.8	2.5	2.4	240	WSW	93.1	22.5	1	259.4	30.2	36.8	80.2	60.4	6.1	18.4	11.7	1.5	6.1	3.9	
20/08/2022	9:00:00	16.7	4.5	3.9	247.2	WSW	81	35.5	2.2	256.1	1.6	30.5	100	69.3	1.6	20.8	11.1	1.2	6.9	4.5	
21/08/2022	9:00:00	9.9	2.4	2.5	268.6	W	93.7	20.1	0.6	272.8	2.7	24.5	94	61.5	2.1	16.8	9.1	-4.4	6.3	1.1	
22/08/2022	9:00:00	11.7	4.2	1.8	87.8	E	50.5	20.1	2.9	79.9	2.2	46.3	98.3	76.7	4.6	15.9	9.9	3.8	8.1	5.5	
23/08/2022	9:00:00	16.7	3.2	3	280.3	W	87.8	31.9	1.1	292.1	3.3	42.2	97.8	73	4.9	17.6	10.7	2.1	9	5.4	
24/08/2022	9:00:00	20.4	7.3	3.4	271.3	W	65.2	41.4	4.2	281	2	56.8	97	83.6	1.8	18.4	7.9	1.1	10.4	5.1	
25/08/2022	9:00:00	14.7	2.9	3	215.9	SW	87.1	26	1.2	241.9	1.1	42.5	88.3	63.9	0	13.5	6.4	-2.5	5	-0.3	
26/08/2022	9:00:00	11.9	3	2.1	97.1	E	83.1	20.1	0.3	93.4	1.5	27.2	91.7	63.4	4.2	15.9	9	-4.2	6.9	1.5	
27/08/2022	9:00:00	11.4	4	1.8	68.8	ENE	45.9	18.9	3	65.4	5.2	48	100	77.2	4.7	16.2	10.4	4	8.1	6.2	
28/08/2022	9:00:00	12.1	4	2.1	86.7	E	42.5	21.3	3	78.5	1.6	58.8	99.5	85.2	8.4	15.6	10.8	6.4	10.3	8.2	
29/08/2022	9:00:00	12.5	3.8	1.8	87.7	E	49.2	22.5	2.6	79.4	1.5	54.8	100	85.8	7.2	16.8	11.3	6.8	11.8	8.8	
30/08/2022	9:00:00	16.1	3.8	2.9	86.9	E	60.7	24.9	2.7	73.2	1.6	71.5	99	91.3	8.2	16	11.6	7.8	12.1	10.1	
31/08/2022	9:00:00	6.3	0.8	1.1	236.3	WSW	89.5	11.8	0.2	264.3	2.8	78	100	91.8	10.5	15.8	12.2	9.5	14.3	10.8	
END OF DATA		annual average (progressive)										2.4									
No data due to no power to gauge																					
Burning off - data excluded from annual average																					