

24 July 2023

Director General  
Department of Planning, Industry and Environment

Uploaded to Major Projects Portal as MP07\_0155-PA-34

RE: Project Application 07\_01555 (Mod 3) Notification of recorded elevated dust

To whom it may concern,

We write to you on behalf of CEAL Limited (trading as Multiquip Quarries) the Proponent of PA 07\_01555 (Mod 3) (the PA), regarding deposited dust monitoring results at 5152 Oallen Ford Road, Bungonia NSW, 2580 (the Site) for the months of January and March 2023.

Schedule 3, Condition 7 of the PA requires the Proponent to ensure that dust generated by the project does not cause exceedances of the set criteria at any residence or on more than 25 per cent of any privately owned land. The relevant criterion for this letter is the maximum total deposited dust level of 4 g/m<sup>2</sup>/month of deposited dust (i.e. insoluble solids).

Monthly monitoring for deposited dust is carried out at the Site in line with the requirements of Environment Protection Licence 13213 (the EPL), at four locations (EPL identification numbers 1-4). No limits for deposited dust are prescribed by the EPL. The location of the dust gauges in the context of the Site is presented in Figure 1.

The January 2023 deposited dust monitoring period was from 6/01/2023-6/02/2023, a period of 31 days. The March 2023 deposited dust monitoring period was from 7/03/2023-3/04/2023, a period of 27 days. The dust gauges were analysed by ALS Laboratories – a NATA-accredited laboratory. In January, the dust gauge at EPL monitoring point “4 – Front Entrance” returned insoluble solids results of 5.5 g/m<sup>2</sup>/month, in March, the dust gauge at EPL monitoring point “1 – Inverary Park” returned insoluble solids results of 10.7 g/m<sup>2</sup>/month (refer to Table 1). The ash percentage of the total insoluble solids results in January and March were 95% (5.2 g/m<sup>2</sup>/month) and 62% (6.6 g/m<sup>2</sup>/month), respectively. The ash content represents the proportion of the material collected within the dust gauges which could be potentially attributable to quarrying activities (i.e. mineral content – soil, dust), and excludes combustible matter (i.e. organic material – pollen, grass). Ash content alone in both months only marginally exceeded the criterion of 4 g/m<sup>2</sup>/month.

Weather data sourced from the onsite weather stations was analysed to determine the most likely causes of elevated dust in January and March. Wind data for the relevant periods has been presented in wind roses in Figure 2 & Figure 3. While both wind roses show wind originating from the direction of the quarry blowing towards the relevant dust gauges during the monitoring periods, a large proportion of wind in both months also originated from other directions. The weather data analysis concluded that while alternative sources may have contributed to the elevated dust levels, quarrying activities were unable to be ruled out as a contributor to the elevated results.

It should be noted that in both months, elevated results were recorded at only one of the four dust gauge locations. Further to this, ash results at all four dust gauge locations in December 2022, February 2023, April 2023, and May 2023 were below the criteria set by the PA.

Table 1: Dust gauge results during the January monitoring period for Front Entrance (EPL 4), and the March monitoring period for Inverary Park (EPL 1).

| Analysis               | Units                   | January 2023<br>"4 – Front Entrance" | March 2023<br>"1 – Inverary Park" |
|------------------------|-------------------------|--------------------------------------|-----------------------------------|
| Total Insoluble Solids | g/m <sup>2</sup> /month | 5.5                                  | 10.7                              |
| Ash                    | g/m <sup>2</sup> /month | 5.2                                  | 6.6                               |
| Combustible matter     | g/m <sup>2</sup> /month | 0.4                                  | 4.1                               |

This letter has been provided in accordance with the notification requirements of Schedule 4, Condition 1 and Schedule 5, Condition 4 of the PA. Our assessment shows that the elevated deposited dust results were minor, isolated incidents, therefore, we do not propose to individually notify neighbouring landowners of the elevated result. In accordance with Schedule 5, Condition 11 of the PA, the results have been included in the publicly available environmental monitoring report published on the Multiquip website. As there are no limits for deposited dust prescribed within the EPL, we do not propose to notify the EPA, however the results from the monitoring will be included in the Annual Return.

It has been confirmed that during January and March 2023, quarry activity remained at a steady scale, and no notable increases in crushing occurred, with no crushing undertaken during January. The following actions will be maintained per the site Environmental Management Strategy to limit the potential for air quality impacts:

- Regular application of water to haul roads using a water cart to increase soil moisture and prevent the generation of dust from vehicles and plant;
- Application of water to hard-rock processing plant, feed hopper and crushers;
- Locating the crushing plant within the hard rock processing area of the quarry, a significant distance from neighbouring properties; and
- Avoiding stripping soils during windy periods.

In light of the January and March dust results, application of water to the haul roads and processing equipment will be increased during dry or windy conditions.

If you would like to discuss this matter further, please don't hesitate to contact me via the details provided below.

Kind regards,

[James Hammond](#)

CEO | Certified Environmental Practitioner

[4Pillars Environmental Consulting](#)

m: 0423 196 069

e: [james@4Pillars.com.au](mailto:james@4Pillars.com.au)



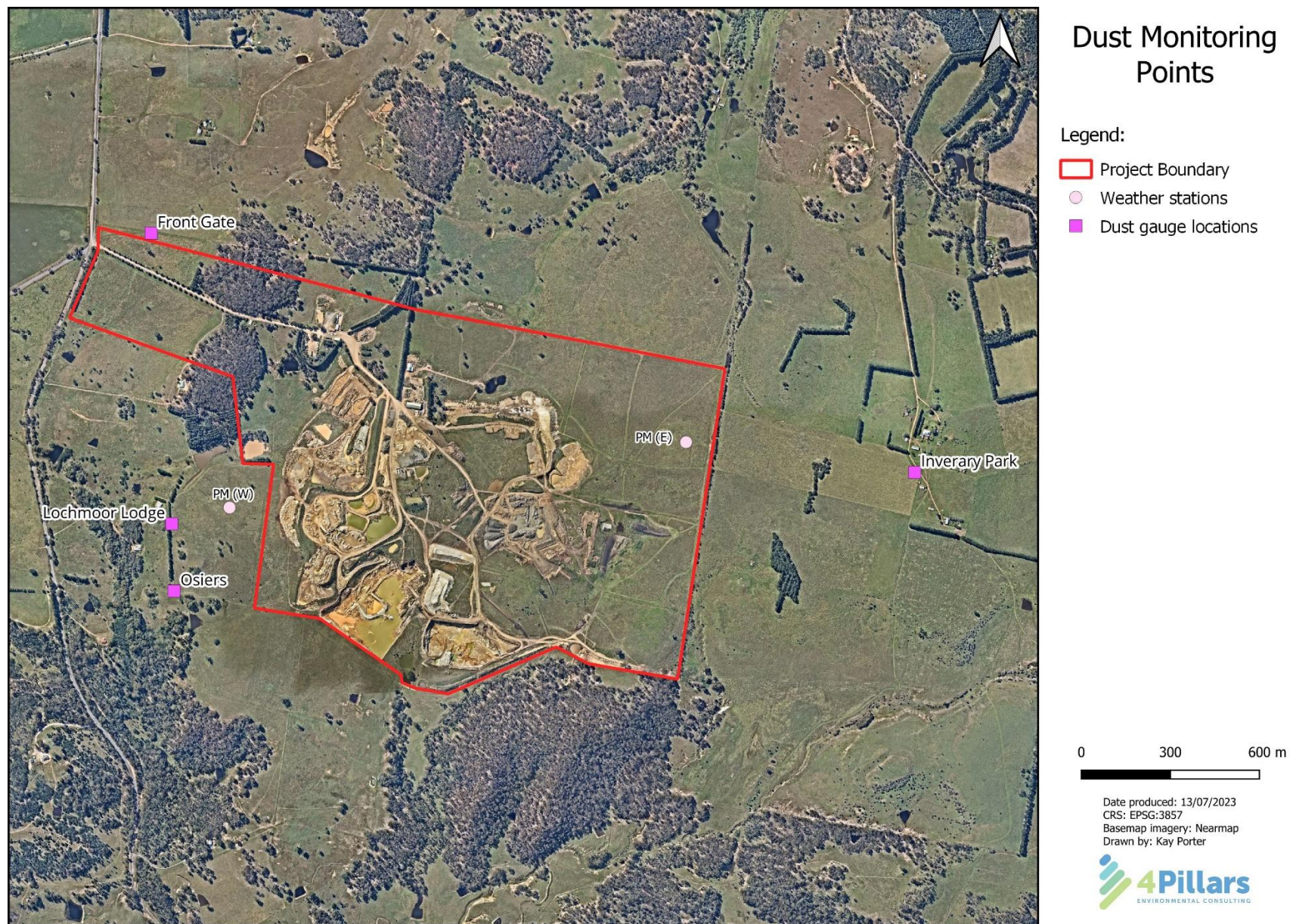
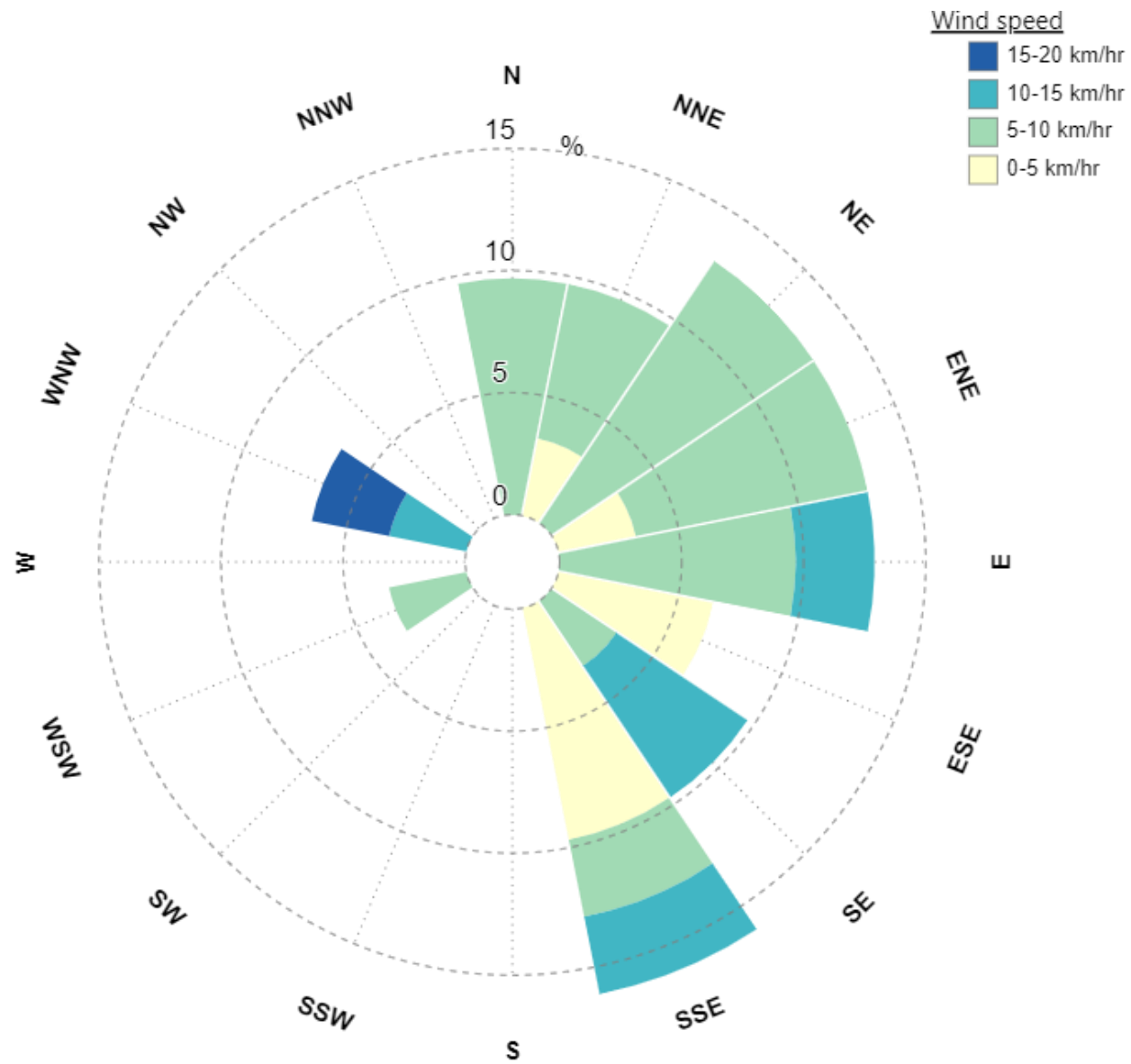
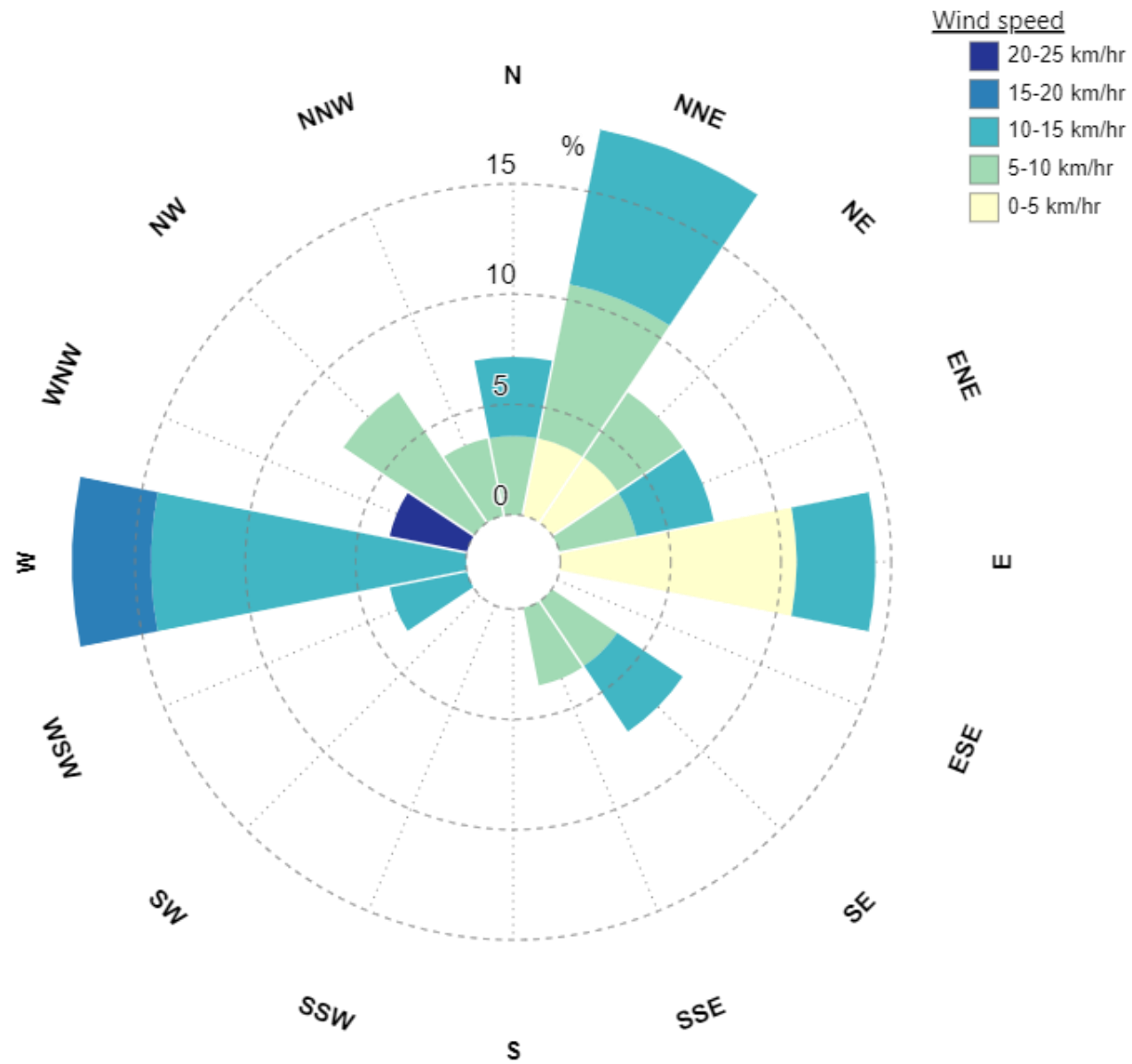


Figure 1: The project boundary with location of dust gauges and weather stations. The active quarry area is visible in the central-south portion of the Site.  
Image date: 02/04/2021 © 2021 Nearmap.



Made with [www.WindRose.xyz](http://www.WindRose.xyz)

Figure 2: Onsite weather station data wind rose for January (6/01/23 - 6/02/23).



Made with [www.WindRose.xyz](http://www.WindRose.xyz)

Figure 3: Onsite weather station data wind rose for March (7/03/23 – 3/04/23).