

Dear YRA Members,

Please find in the attachments the long awaited "Ormeau/Yatala air quality investigation" report along with 2 separate Excel Spreadsheets which contain hourly updated data from 2 monitoring sites in Luscombe and Ormeau, the exact location of these two monitoring sites and the sites where the Asbestos monitoring was conducted is shown on **Page 7 of the Report**.

The two excel spreadsheets which contain dust/particulate data form the basis for a substantial part of the report which is an analysis of this data. You do not need to fully understand all the terminology in order to glean information from the spreadsheets nor do you have to read every column and every line.

Basically you need to understand the wind direction which is in degrees:

0 zero degrees = North

90 degrees = East

180 degrees = South

270 degrees = West

For example: 140 degrees is from the South East and 274 degrees is from the West.

So residents who have a quarry or other potential pollution source to their west will most likely be exposed to maximum particulate pollution when the wind direction is shown as being around the value of 270 degrees. You can quickly verify this by looking at the spreadsheets and scanning for values around 270 degrees, then by looking along that line to the **RIGHT** under the **column headings PM10 and PM2.5** you will note in most of those instances that the dust level values will be higher than the levels when the wind direction is 90 degrees i.e. when the wind is actually blowing the dust away from the monitoring station.

NOTE: The limit for PM10 is 50 micrograms per cubic metre daily 24 hour average and the limit for PM2.5 is 25 micrograms per cubic metre daily 24 hour average. So, for example, if you experience 4 hours of PM10 dust levels at 60ug/m³ and the other 20 hours are 5ug/m³, the 24 hour average is a very acceptable $340/24 = 14.167\text{ug/m}^3$ of PM10 dust levels. We did not notice any such high levels in the spreadsheets presented but have offered this example to illustrate the fact that obviously high levels of dust are not necessarily apparent after 24 hourly readings are averaged. This however also illustrates just how valuable this monitoring method and related spreadsheets are - in that the hourly data shows a truer picture.

Although the report may seem to be too technical and hard to understand we encourage you all to read it and give us your feedback on how you feel about the conclusions in the report, and particularly we would like to hear from properties neighbouring quarries or other potential polluters in order to hear your views. Please email your comments to: yra@yatala.info

The YRA committee will in due course be writing to Dr Miles MP to thank him for facilitating this report, along with any observations that the committee have identified and we will be happy to add any further observations presented to us by our members **whose names as usual will be kept confidential**.

NOTE: A copy of this email has been sent to DEHP – Gold Coast.

Best regards,

Cavell Dorman – YRA Database Coordinator / YRA Committee Member
For and on behalf of: YRA Committee and Members



MISSION STATEMENT: "A Community voice surrounding topics which impact the lifestyle, health and environment of residents near commercial and industrial developments in the Yatala Enterprise Area"

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