



## AVONBANK PROJECT

## AIR QUALITY

## EXISTING CONDITIONS STUDY

FACTSHEET NO. 4

### AIR QUALITY STUDY

As part of the Environment Effects Statement (EES) process, WIM Resource Pty Ltd (WIM) undertook baseline studies to characterise the air quality within the Avonbank Project area in line with EPA requirements.

WIM engaged professional consultants, ERM, to conduct the existing conditions study and will now work to undertake an impact assessment of the project on air quality.

### STUDY METHOD

WIM installed a Level 1 Air Quality Monitoring station, and for more than twelve months monitored the baseline conditions. The samples were then analysed for small particles (PM<sub>10</sub>, PM<sub>2.5</sub>), for heavy metals and respirable crystalline silica (RCS) which, if present over a certain concentration, can have an adverse impact on human health.

### KEY FINDINGS

The air quality study showed there were low concentrations of PM<sub>10</sub>, PM<sub>2.5</sub>, RCS and Heavy Metals.



Figure 1: air quality monitoring station

DETAILED SUMMARY - AIR QUALITY

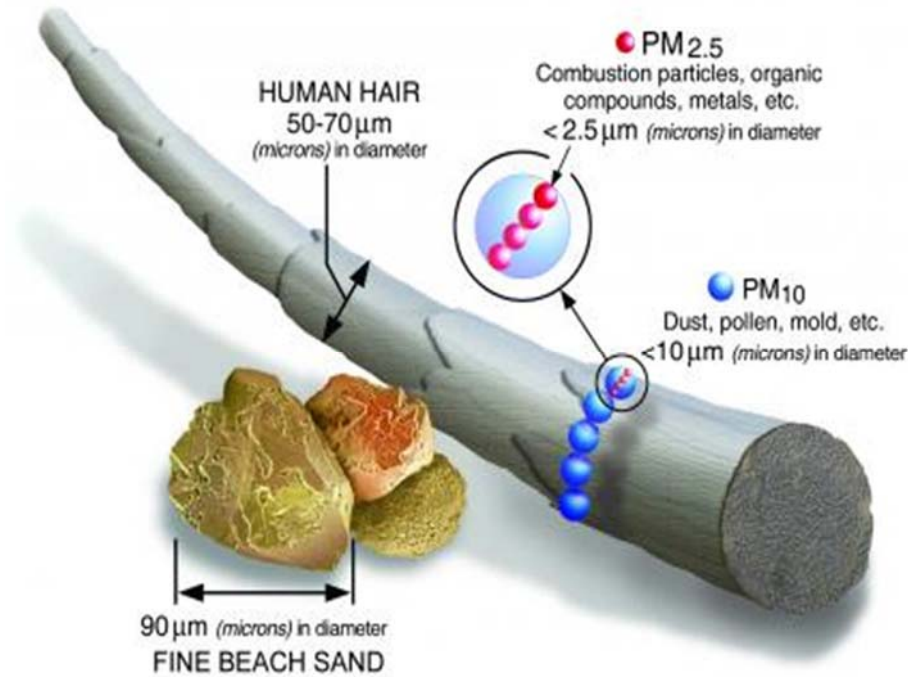


Figure 2: Particle schematic that shows the size of particles studies during the baseline assessment

Air Quality Results

- ◆ PM10 (includes dust, pollen, mould) – low
- ◆ PM2.5 (includes combustion particulars, organic compounds, metals) – low
- ◆ RCS (quartz) – low
- ◆ Heavy Metals – low

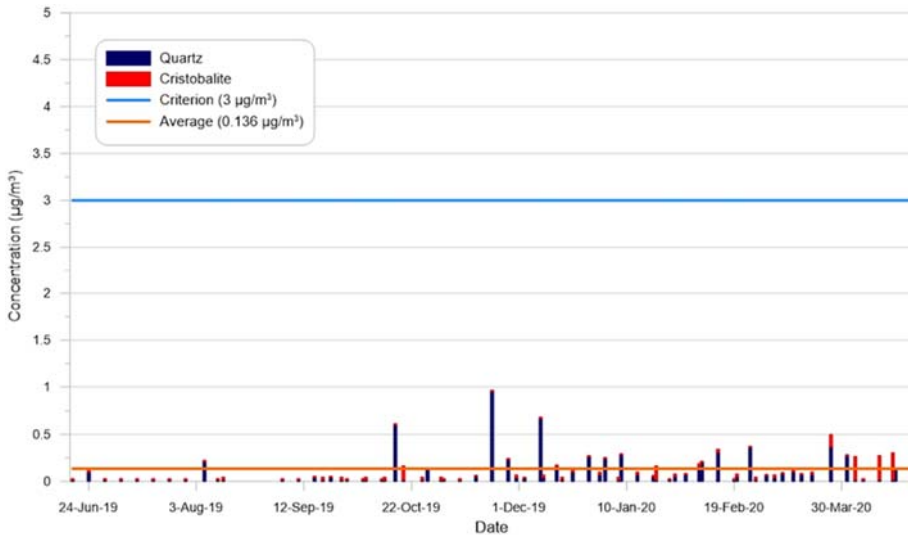


Figure 3: concentration levels between June 2019 and April 2020

NEXT STEPS

- ◆ Characterise the materials WIM proposes to mine.
- ◆ Model the impact of proposed operations and determine impact on air quality.

CONTACT

For more information on WIM’s approach to air quality control, please contact free call 1800 959 298.

Information on the Avonbank Project may also be found on the website [www.wimresource.com.au](http://www.wimresource.com.au).

For more information from the independent statutory authority on air quality, please visit:

Environmental Protection Authority  
Victoria  
[www.epa.vic.gov.au](http://www.epa.vic.gov.au)