

Dust Mitigation Measures

The main principles for the prevention of dust emissions in this case are:

1. Avoidance of dust
2. Containment of dusty processes
3. Suppression of dust.

Below is a list of measures which aid in the prevention of dust emission and of dust being carried by the wind onto adjoining properties and the environment. Dust disturbance due to vehicle movement is also being addressed.

Avoidance and containment:

- The positioning of external processing operations are such that these are sheltered from wind.
- Stockpile height to be retained below surface rock levels to ensure and minimize dust mitigation.
- All material entering and/or leaving the site is to be covered.
- Spillages on roads in the immediate vicinity of the site are to be cleared up instantly.

Suppression:

- Drop heights from conveyors to be kept to a minimum.
- Closing down of various or all operations during severe wind events.
- No operations when wind direction is E, S, SE & SW with a wind force exceeding 4 on the Beaufort Scale (28km/hr).
- Stockpiles and crusher are kept within the lower levels of the quarry, which levels are lower than the surrounding third-party ground levels and road levels. Since crusher and screener (i) are located lower than then surrounding third party ground levels and road levels and (ii) will not be used on windy days, then covering is not deemed necessary. However, should the need arise, covering will be provided.
- Prior to leaving the site and vehicles which have materials adhering to external surfaces which may have the potential to wind-blown dust will be cleaned by use of power-wash.
- Water spraying using sprinklers every day during summer, and during winter as needed based on weather conditions. (The sprinklers referenced in EP/1378/21 remain in use with additional ones installed).
- Water will be stored in the existing well and/or brought on site by means of a bowser.
- The mobile crusher will be placed at levels below ground level to limit dust emissions.
- The scarified material stockpile is wetted down prior to sieving.