

EP 1377/21/DOC64B

09th June 2023

MFF/dem/2916

Environment & Resources Authority
Hexagon House
Spencer Hill
Marsa

Dear Madam

Re: EP/01377/21

Further to the Application for an Environment Permit relating to EP/01377/21, below is a list of dust mitigation measures pertaining to the site subject to this EP.

Dust Mitigation Measures

The main principles for the prevention of dust emissions in this case are by avoidance of dust, containment of dusty processes and 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 proposed.

The site is a licensed quarry and such activities per se result in dust emissions. Dust emission during rock blasting are difficult to control due to the nature of the works itself, however quarry blasting is limited as the lower levels have in certain parts been achieved. The depth of the quarry helps to mitigate these emissions. All excavated material will have a higher water level and the high level of humidity within the material will decrease the extent of dust emissions during crushing. Finally, extraction is not carried out all of the time and is very limited. The use of hydraulic excavators instead of explosives severely limits dust emission as extraction is localised and the impact is considerably less.

Avoidance/containment

- The positioning of external processing operations is such that these are sheltered from wind;
- Stockpile height to be retained below surface rock levels to ensure and minimize dust mitigation;

Suppression

- drop heights from conveyors are to be kept to a minimum;
 - Closing down 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);
 - Operator procedures i.e.: keeping the site clean and tidy; plant will be kept clean to avoid a build-up of mud or dust on the machine which may be dropped on roads and later cause windblown dust;
 - Prior to leaving site, any 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.
 - the 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 the surrounding third-party ground levels and road levels and (ii) will not be used on windy days (as stated above, covering is not deemed necessary. However, should the need arise, covering will be provided;
 - Where possible use of hydraulic excavators instead of explosives;
 - Watering is carried out as follows:
 - Summer every morning and when required.
 - Winter, autumn, spring – in dry periods as required.
- Water will be stored in the existing well and/or brought on site by means of a bowser.
- Mobile granulator will be kept within the lower part of the quarry.

Timeframes

The timeframe for the above dust mitigation measures is imminently after the issuing of the relative Environment Permit

Yours faithfully

Ian Cutajar A&CE
FALZON & CUTAJAR
Architects & Civil Engineers