

Our Ref: S 0739

11<sup>th</sup> September 2021

Environment & Resource Authority  
Hexagon House  
Spencer Hill  
Marsa MRS 1441

### **Quarry No. 10, Triq tal-Balal, Gharghur (MNL-00026-QR)**

#### **Dust Mitigation Measures**

Presently, there are 2 sets of water sprinklers (5 in all) on site that are used to limit dust emissions.

1. The first set of 3 sprinklers are in the crusher area. The material coming out of the crusher falls under a roofed area. These 3 rotational sprinklers are switched on as necessary, and are intended to limit the dust emissions emanating from the stockpiles and for dust emanating from under the roofed area during crushing time.  
The intensity of the dust emissions from under the roofed area depends on the dryness of the material being crushed.  
In the winter season when the stockpiles are damp, there is usually no need to switch on the sprinklers. However when the stockpiles are dry and the weather is windy, the sprinklers are switched on. When it is very windy all 5 sprinklers are switched on and are left on until the surface area is wet enough to form a 'crust', thus preventing any further dust blowing with the wind.
2. The second set of 2 sprinklers are intended to limit the dust emissions from the stockpiles in the common open area which gives access to third party activities.

#### **Management of stockpiles**

The material from the crusher is divided into 2 separate stockpiles, 'torba' and 'xahx'.

A shovel is used to load the material from under the roofed area where the crushed material has fallen, to take to the stockpiles area.

With low demand the stockpiles get higher and with high demand the stockpiles get lower and obviously no crushing takes place when there is no demand.

A shovel is used to load the particular material from the stockpiles on to the receiving trucks.

#### **Cleaning of site**

The site is equipped with an industrial sweeper which is used regularly to sweep the internal paths. Normally the sweeper is used once a week but on windy days, it is used as necessary.

#### **Wheel Wash**

The site has an entrance on Triq tal-Balal and an exit on Triq il-Madliena as shown on site layout plan. An industrial power wash will be set up on site as marked on site layout by the end of October 2021. The operation entails that loading of the crushed material from the crushing area and the loading of cut stones and excavated material from the areas of excavation takes place on designated days. On such days the power wash will be manned and trucks leaving the site with crushed and excavated material will have their wheels washed.