

MFF/sb/900/34/61

04 June 2024

Environment & Resources Authority  
Hexagon House  
Spencer Hill  
Marsa

**Attention: Leon Tonna**

Dear Sir,

**Re: EP/00040/24**

Further to the application for an Environment Permit relating to EP/00040/24, below is a list of dust mitigation measures pertaining to each phase, which will be followed on the site subject to this EP.

**PHASE 1 – Level -5m**

Duration: 2 months

Activities:

- Operation of crusher and screener within 5m below site boundary as taken from survey in a limited area.
- Only loose material excavated from the site itself is recycled and delivered away from the site.
- No third-party waste accepted.
- No other material recycled.

## **Dust Mitigation Measures**

The main principles for preventing dust emissions are the 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 dust being carried by the wind onto adjoining properties and the environment. Dust disturbance due to vehicle movement is also being proposed.

### **Avoidance/Containment**

- All material leaving the site is to be covered.
- Stockpile height is to be kept below surrounding rock surface levels to minimize wind-blown dust.
- Spillages on the roads in the immediate vicinity of the site are to be cleared up immediately.
- The stockpile, crusher, and screener are kept within the lowest levels of the quarry as indicated on plan within -5m from the quarry profile.
- The stockpile is to be covered and netted when not in use.
- During severe wind events, all operations are to be halted.
- No operations when the wind is blowing to the NW with a wind force exceeding 4 on the Beaufort Scale (28km/hr) due to the vicinity to Siggiewi.

### **Suppression**

- Drop heights from conveyors are to be kept to a minimum.
- Operator procedures (keeping the site clean and tidy): the plant will be kept clean to avoid build-up of mud or dust on the machines which may later be dropped on roads and cause wind-blown dust.
- Prior to leaving the site, any vehicles with materials adhering to external surfaces will be cleaned by a power wash at the exit.
- The stockpile is watered. This is to be carried out as follows:
  - Summer: every morning and when required.
  - Winter, autumn, and spring: in dry periods as required.

- Water will be brought to the site by means of a bowser.
- Water spraying minimizes dust emissions. Spraying is carried out between April and October to suppress emissions.

## **PHASE 2 – Excavation**

Duration: Approximately 1 year

Activities:

- Operation of both the crusher and screener.
- Recycling of loose material from the site by crushing and screening it, subsequently delivering said processed material in various sizes.
- Continued excavation to lower the entire site to 9 meters below street level.
- Formation of a ramp from the entrance leading down to the lowest level in the quarry.
- Processing the client's construction and demolition waste on-site.

### **Dust Mitigation Measures**

The principles for preventing dust emissions in this case are similar: avoidance, containment, and suppression.

#### **Avoidance/Containment**

- All material entering and/or leaving the site is to be covered.
- Stockpile height is to be kept below surrounding rock surface levels to minimize wind-blown dust.
- Spillages on the roads in the immediate vicinity of the site are to be cleared up immediately.
- The stockpile, crusher, and screener are kept within the lower levels of the quarry.
- Covering of the stockpile and netting when required and during severe wind events.
- Halting operations when the wind is blowing to the NW with a wind force exceeding 4 on the Beaufort Scale (28km/hr).

### Suppression

- Drop heights from conveyors are to be kept to a minimum.
- Operator procedures (keeping the site clean and tidy): the plant will be kept clean to avoid build-up of mud or dust on the machines which may later be dropped on roads. Prior to leaving the site, vehicles will be cleaned by a power wash at the exit.
- The stockpile is watered as follows:
  - Summer: every morning and when required.
  - Winter, autumn, and spring: in dry periods as required.
- Water will be brought to the site by means of a bowser.
- Water spraying is conducted between April and October to suppress emissions.

### **PHASE 3 – Recycling**

Duration: Subsequent years

Activities:

- Processing of third-party material along with the client's construction and demolition waste on-site.
- Recycling and delivery of crushed, screened material in varying sizes such as gravel and sand.

#### **Dust Mitigation Measures**

In Phase 3, with the site now lowered to -9m from street level, the principles of dust prevention remain but are adjusted due to the increased depth.

#### **Avoidance/Containment**

- All material entering and/or leaving the site is to be covered.
- Stockpile height is to be kept below surrounding rock surface levels to minimize wind-blown dust.
- Spillages on the roads in the immediate vicinity of the site are to be cleared up immediately.
- The stockpile, crusher, and screener are kept within the lower levels of the quarry.
- Covering is not deemed necessary unless required or during severe wind events.

#### **Suppression**

- Drop heights from conveyors are to be kept to a minimum.
  - Operator procedures (keeping the site clean and tidy): the plant will be kept clean to avoid build-up of mud or dust on the machines which may later be dropped on roads and cause wind-blown dust.
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- Prior to leaving the site, vehicles will be cleaned by a power wash at the exit.
- The stockpile is watered as follows:
  - Summer: every morning and when required.
  - Winter, autumn, and spring: in dry periods as required.
- Water will be brought to the site by means of a bowser.
- Water spraying is conducted between April and October to suppress emissions.

### **Timeframes**

The timeframe for all the above dust mitigation measures is immediately after the issuance of the relevant Environment Permit.

Yours faithfully,

**IAN CUTAJAR**

Architect & Civil Engineer

Ian Cutajar A&CE

**FALZON & CUTAJAR**

Architects & Civil Engineers