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Our ref: SIER03

16<sup>th</sup> December 2020

Ms Sabrina Said  
Environmental Assessment Unit  
Environment and Resources Authority  
Hexagon House,  
Spencer Hill, Marsa,  
MRS 1441

Dear Ms Said,

**Subject: PA/00322/19:  
Temporary Recycling Facility at Quarry SM75, Off Wied Costa, Tax-  
Xagħri l-Imqalleb, L-Imqabba**

1. This letter addresses the request by the Environment and Resources Authority dated 12<sup>th</sup> October 2020 to provide detailed “*dust mitigation measures that will be taken on site to minimise dust emissions including timeframes when these will be implemented if such measures are not yet on site*”.

### **Introduction**

2. The Scheme site will be used as a temporary recycling facility in Quarry SM75. The operations will include the separation of better quality inert waste and inferior quality inert material. The former will be crushed and turned into aggregate material or sand, whilst the latter will be used for the quarry’s backfilling as per restoration scheme approved in PA/00804/02 and as updated in a Restoration Plan approved in PA/00322/19, which permit was granted on the 19<sup>th</sup> November 2020.
3. This letter outlines the different measures that will be implemented to mitigate dust emissions from the activities on the site.

### **Site Cleanliness**

4. The Environmental Representative on-site will ensure that the site will be maintained in order and clear of any litter.

### **Backfilling Activity**

5. Backfilled material will be compacted in order to ensure site stability and will be wetted as required during the dry season in order to reduce dust emissions.

### Mobile Crusher

6. The mobile crusher is equipped with water jets to reduce dust emissions generated by the crushing operations.
7. Plastic curtains will be fixed to the crusher in the case that the water jets are not deemed adequate enough to mitigate dust generation from the plant.

### Wetting procedure

8. The Operator will wet the quarry road to reduce dust generation from vehicles accessing and exiting the site. The wetting of the site will happen twice daily in the dry months.
9. Water will be provided via a mobile water reservoir that will also serve the batching plant silo.

### Management of stockpiles

10. The crushing activities permitted on site will result in the generation of stockpiles. The material will be crushed in different sizes varying from aggregate size to sand and to fine sand. Stockpiles with the finer material that is sand and fine sand will be wetted to reduce dust emissions.
11. The stockpiles will be located close to each other and will be separated from each other by concrete blocks.
12. Some of the material from the stockpiles will be used on-site for the production of concrete whilst others will be used off-site and by third-parties.
13. Since the site will be used concurrently for recycling of material and backfilling activities, the stockpile area will be shifted from one side to another according to the area being backfilled. The Restoration Plan identified different phases over a 25-year period and described how the stockpiles will be shifted. **Table I** provides an indication of how the stockpiles will be shifted from one section to another of the quarry throughout the different phases. The time periods are an estimate of how long it will take to backfill the quarry sections. The Restoration Plan itself noted that it was difficult to determine the precise time frames since recycling and backfilling activities are dependent on external factors.

**Table I: Location of stockpiles**

Restoration Plan Phases	Estimated timing	Location of stockpiles
1A	2020 (1 year)	The stockpiles will be located on the western side of the quarry.
1B	2021 – 2023 (3 years)	The stockpiles will be kept in the western side of the quarry.
1C	2024 – 2026 (3 years)	The stockpiles will be shifted to the eastern side of the quarry.
1D	2027 (1 year)	The stockpiles will be kept in the eastern side of the quarry.
2A	2028 – 2030	The stockpiles will be kept in the eastern side of the quarry.

Restoration Plan Phases	Estimated timing	Location of stockpiles
	(3 years)	
2B	2031 – 2033 (3 years)	The stockpiles will be shifted to the western side of the quarry.
2C	2034 (1 year)	The stockpiles will be kept in the western side of the quarry.
3A	2035 – 2037 (3 years)	The stockpiles will be kept in the western side of the quarry.
3B	2038 – 2040 (3 years)	The stockpiles will be kept in the western side of the quarry.
3C	2041 – 2043 (3 years)	The recycling activities will be stopped and the temporary batching plant and the stockpiles will be removed.
3D	2044 (1 year)	Full restoration.

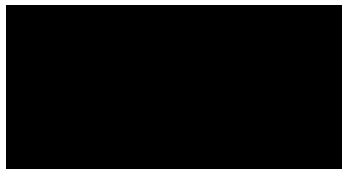
### Wheel wash

14. PA/00322/19 includes the installation of a wheel wash at the site entrance. This feature will ensure that vehicles exiting the site will be clean after leaving the site, thereby reducing dust pollution on the road network. The wheel wash will be installed by September 2021.

### Conclusion

15. This letter has outlined the various measures that will be implemented to mitigate dust emissions generated from the site.
16. I trust that the above is to the satisfaction of the ERA. Should you require further details, please do not hesitate to contact the undersigned.

Yours sincerely,



Andrea Pace  
 Planning Consultant  
 Adi Associates Environmental Consultants Ltd