

01-10



Dust Management Scheme
Horn Crag Quarry
A.D. Calvert Architectural Stone Supplies Ltd.

Document Reference: 232/5--R2.0 - Dust Management Scheme



Minerals
Waste
Environment

The Mineral Planning Group Ltd.
The Rowan Suite, Oakdene House,
Cottingley Business Park, Bingley,
West Yorkshire BD16 1PE

01274 884599/884699
headoffice@mpgyorks.co.uk

www.mpgyorks.co.uk

Document Title: Dust Management Scheme
Document Reference: 232/5--R2.0 - Dust Management Scheme
Site / Project: Horn Crag Quarry
Client: A. D. Calverts Architectural Stone Supplies Ltd.

Document Versions

1.0	Draft	03/03/2022
2.0	Final	03/03/2023

Prepared by: JG
Checked by: MS
Approved by: CH Director

The Mineral Planning Group Ltd. has prepared this report in accordance with the instruction of, and exclusively for the use of, its commissioning client. Any other person or body using the information contained herein does so at their own risk. The opinions expressed within this report are the true and professional opinions of The Mineral Planning Group Ltd. The content of this report may, in part, be based upon information provided by others, including the commissioning client, and on the assumption that those parties, when requested, have truthfully and accurately provided all relevant information. No section or element of this report may be removed or reproduced in any form without the written permission of MPG.

© The Mineral Planning Group Ltd. 2023

Chapter 6: Dust Management Plan

6.1. General

6.1.1. This Dust Management Plan was recommended in the Dust Assessment carried out for the proposed development (Chapter 23 of the Supporting Statement). This document will set out the measures to be employed at Horn Crag Quarry ('The Site') to control dust emissions that have the potential to, without mitigation, affect air quality.

6.2. Dust Monitoring

6.2.1. Dust monitoring would be carried out via visual inspection by the Site Manager. This would be an on-going procedure that is continuously monitored during operational hours. Where, in the opinion of the Site Manager, dust is being generated beyond an acceptable level, mitigation measures would be implemented.

6.2.2. In addition, when weather conditions have included unusually long periods of dry and / or windy weather, the Site Manager could decide to implement mitigation measures before operations have begun each day.

6.3. Dust Mitigation

6.3.1. A number of mitigation strategies would be employed at The Site to mitigate unacceptable emission of dust.

Watering of Haul Roads

6.3.2. The access road, car parking area and internal routes to the quarry workings would be wetted down as often as is necessary to remove dust or prevent it from becoming airborne. A water bowser would be sourced to carry this out.

Suspension of Operations

6.3.3. Whenever, in the opinion of the Site Manager, dust reaches an unacceptable level at The Site's boundaries, the activities causing the dust would be suspended or moved to another part of The Site if possible. If necessary, remedial action could

be carried out to reduce the dust, such as use of water to dampen the area(s) where dust is being generated. All plant and equipment on-site would be fitted with dust suppression equipment where applicable.

Wetting-Down of Stockpiles / Working Areas

6.3.4. During unusually dry and / or windy conditions, and, at the discretion of the Site Manager, stockpiles (or other areas) that are generating dust would be wetted-down. This would be carried out as often as is necessary to prevent excessive dust generation. During such exceptional weather conditions, the stockpiles could be wetted-down before closing The Site each day, if it is considered that dust could be generated outside of operational hours. It would be at the Site Manager's discretion as to whether it is necessary to source equipment and / or staff to carry this out.

Dust Prevention Measures

6.3.5. 10mph speed limits would be enforced throughout The Site to prevent excessive dust being generated from moving vehicles.

6.3.6. Any crushing and screening required would be carried out in a strategic position to optimise the screening effects of the quarry. Crushing and screening, if necessary, would be short lived and only required during the initial preparation of The Site.

6.3.7. Drop heights would be kept to a minimum.

6.3.8. Vehicles and plant would have sideways or upwards exhausts.

6.3.9. Where possible, Site haulage would be kept to designated haul routes.

6.3.10. The access track to the public highway will be kept clean and in good repair. Similarly, to the internal haul roads, the access track would be wetted-down in dry, windy conditions.

6.3.11. Vehicles leaving The Site transporting loose material will be sheeted.

6.3.12. Wheels and undercarriages of vehicles leaving The Site would be inspected and washed if necessary.

6.3.13. Daily dust checks would be carried out to determine if any mitigation measures would be required.

6.3.14. Weather forecasts would be used to ensure enough water would be available when dry and / or windy conditions are predicted.

6.4. Summary

6.4.1. It is considered that the mitigation measures described within this document would allow Horn Crag Quarry to operate without causing an unacceptable adverse impact due to dust.