

November 2022

Dust Mitigation Plan - Airfield

Equipment to be Used

Tractor/motorised vehicle with water bowser in tow and or water spray units.

All heavy plant to have upward facing exhaust.

All heavy plant to be fitted with radiator deflector plates.

Road Sweeper

Dust suppression system included in mobile crushing equipment

The DustScan DS100 is a directional dust sampler which collects fugitive dust in horizontal flux from 360° around the sampling head using a sticky pad. The directional dust sampler is often used for 'fence-line' site boundary monitoring and to determine the direction/s from which dust has arisen. The collected dust is measured using DustScan's unique software to determine dust coverage (AAC) and dust soiling (EAC); these measurements are expressed as percentages and are noted in IAQM guidance. Subsequent analysis can be carried out if needed to characterise the sampled dust.

Methodology

Daily visual inspections will be carried out to assess frequency of dust suppression required during the working day.

Dust suppression will be in place within the permitted planning area, this will be in the form of a tractor/motorised vehicle with water bowser and or water sprays where appropriate.

Dust suppression on crushing equipment to be used pending weather conditions.

Road Sweeper will be used to actively manage dust on internal concrete and or tarmac haul roads.

Road Sweeper will be used to actively manage dust on Blackmoorfoot Road and Nopper Road.

DS100 directional dust sampling cylinders are typically changed on a weekly or fortnightly basis depending on client reporting requirements and site operations. Each DS100 is supplied with 2 sampling cylinders, pre-fitted with dust collection slides (sticky pads), this allows for continuous directional dust sampling. A sampling cylinder is fitted onto the monitoring head by fitting its notch over the alignment peg. The cylinder is held in place by a screw-on rain guard.

An in-house report sheet is also used to report if crushing is being done through week of monitoring

The weather, wind, temp etc. is also recorded and any other external factors that could have an effect on the dust sampler ie: ploughing a field on a dry windy day opposite the site.

Restrictions

Speed restriction of 15 mph when using the internal haul road.

Suspension of the movement of mineral, soils, and overburden on site when local wind speed exceeds 20 metres per second.

All HGV's leaving the site must use wheel wash.

Road Sweeper will be used to actively manage dust on internal concreted and or tarmac haul roads.

Road Sweeper will be used to actively manage dust on Arborary Lane, Nopper Road, and Blackmoorfoot Road.

Dust suppression will be in place within the permitted planning area, this will be in the form of tractor/motorised vehicle with water bowser.

BRITAIN'S LEADING SUPPLIER
OF NATURAL HARD YORKSTONE



Dust Monitoring Station Locations

Monitoring points referred to as DS3, DS4, and DS6 will continue to be monitored in line with existing site requirements (see attached map 'JWQ Dust Monitoring Locations')

Frequency of Monitoring

Review of data collated at Dust Monitoring Stations to be completed quarterly.

Visual inspection of dust within the permitted planning area to be completed daily.

Dealing with Complaints

Any complaint received will be recorded in Johnsons Wellfield 'complaint log'. The details will include date, time, location of complaint with contact details of the complainant if comfortable to provide these.

Johnsons Wellfield Crosland Hill Huddersfield West Yorkshire HD4 7AB
01484 652311 sales@johnsons-wellfield.co.uk www.johnsons-wellfield.co.uk

Johnsons Wellfield Ltd Registered in England No 384620 VAT Reg No 183 8849 10
Accounts & Registered Office: Myers House, Barr Street, Huddersfield HD1 6PB t. 01484 535311

BRITAIN'S LEADING SUPPLIER
OF NATURAL HARD YORKSTONE



Complaints related to dust will be investigated by the Quarry Manager or Quarry Supervisor. Items for review will include:

- Reviewing data from dust monitoring stations.
- Complete a visual inspection related to the complaint.
- Ensure adequate dust suppression is taking place.
- Ensure site speed limits are being adhered to.

Any correction action taken to improve dust suppression will be recorded with the complaint. If no further action is required, this will also be recorded with the original complaint.

Johnsons Wellfield Crosland Hill Huddersfield West Yorkshire HD4 7AB
01484 652311 sales@johnsons-wellfield.co.uk www.johnsons-wellfield.co.uk

Johnsons Wellfield Ltd Registered in England No 384620 VAT Reg No 183 8849 10
Accounts & Registered Office: Myers House, Barr Street, Huddersfield HD1 6PB t. 01484 535311



Google Earth

Image © 2022 Maxar Technologies

1 km