

Title	Particulate Matter Management and Monitoring		Ref	MGL/LMS-09
Date	July 2019	Document Owner	Technical	
Location			Issue	V 001

PARTICULATE MATTER MANAGEMENT AND MONITORING

1.0 OPERATIONAL MEASURES

1.0.1 As part of the Environmental Permit Application, a Dust Action Plan has been included in the Operating Techniques and approved by the Environment Agency, with mitigation measures detailed below.

1.1 Management Responsibility

1.1.1 The site manager will have responsibility for ensuring that nuisances and hazards arising from the site due to dust are minimised. All site operatives will be vigilant and report any issues directly to the Site Manager who will investigate the issue and instigate any required corrective action.

1.2 Vehicle Speed Limits

1.2.1 Speed limits will be imposed and enforced for all vehicles using the installation to prevent re-suspension and entrainment. The speed limit will be determined by local conditions and may vary.

1.3 Sweeping of the Highway

1.3.1 The highway will be swept with a mechanical road sweeper as and when conditions dictate to minimise emissions of mud and dust.

1.4 Static Water Sprays

1.4.1 Static water sprays are not generally required but may be deployed in specific areas if problems arise.

1.4.2 Use of water to dampen access roads and operational areas can be applied by use of a tractor and bowser unit.

1.5 Seeding of Earth Bunds, Stockpiles and Surfaces

1.5.1 If necessary, bare earth surfaces will be seeded to provide protection against wind erosion and associated dust emissions.

2.0 DUST MONITORING PLAN

2.1 Monitoring of Meteorological Conditions

2.1.1 The site manager will use the Meteorological Office weather forecast to predict weather conditions such as prolonged dry, hot spells, which may rise to high levels of dust, and ensure the necessary precautionary measures are in place.

2.2 Visual Monitoring

2.2.1 All personnel employed on site will undertake visual monitoring for the dust throughout the working day. Any problem that is observed will be reported to the site manager (or the next level of management if they are unavailable), who will be responsible for investigating the cause and implementing any necessary remedial action.

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2.3 Quantitative Monitoring

2.3.1 Additional quantitative monitoring at the filling area, the installation boundary or at sensitive receptors will only be carried out in circumstances where complaints have been received, corrective action has not resolved the problem, and where such monitoring will assist in determining the source/cause and what further action may be appropriate.

3.0 DUST ACTION PLAN

3.1 If significant volumes of dust are being noted at the installation during routine visual monitoring, the following action will be taken:

3.2 Dust Generation during Vehicle Monitoring

- Establish cause of emissions;
- If problem is caused by a particular activity, cease until a suitable method statement detailing how the operation will be carried out has been prepared and implemented; and
- If dust is caused by general trafficking and operations, arrange for the area to be sprayed with water.

3.3 Dust Generation during Site Construction

- Establish cause of the problem and implement revised procedures to minimise emissions. This may involve the use of water sprays during excavation activities or the temporary relocation of work away from receptors pending a change in wind direction or other weather conditions

4.0 RECORDS

4.1 A record relating to the management and monitoring of dust will be maintained in the site file. It will include the following details: -

- A record of all dust events including date, time, and cause of the problem;
- A record of all complaints; and
- Details on the corrective action taken and any subsequent changes to operational procedure
- The results from asbestos monitoring undertaken.