

# Condition 51(a)

## Condition 51(a): Dust Minimisation Scheme

- (a) No development shall take place until a scheme and programme of measures for the suppression of dust, have been submitted to and approved in writing by the Waste Planning Authority. The scheme shall include the suppression of dust caused by the moving, processing and storage of soil, overburden, stone and other materials within the site during excavation of materials and construction of the IWMF.

*Reason: To reduce the impacts of dust disturbance from the site on the local environment and to comply with MLP policies S1, S10, DM1, WLP policies W3A, W8A and W10E and BDLP policies RLP 36, RLP 62 and RLP 90.*

## Dust Control Scheme: Bradwell Quarry - Site Infrastructure Area

The remaining sand and gravel reserves extracted from the IWMF area will be excavated and transported for screening, washing and processing through Blackwater Aggregates' existing on-site washing and screening plant located within Bradwell Quarry's Site Infrastructure Area. No new sources of dust will be generated within the Site Infrastructure linked to the IWMF operations.

Blackwater Aggregates will maintain all existing process control and handling/working methods to suppress and control any potential dust emissions from the washing and screening plant, concrete batching plant, DSM and bagging facilities at Bradwell Quarry. All operations will continue in accordance with their existing planning permissions and Environmental Permits.

## Dust Control Scheme: IWMF Excavation Operations

To control and minimise dust the following control measures will be implemented during the IWMF excavation operations, in line with industry and existing best practice, namely:

- The access road and haul routes used in connection with the works will be sprayed with water during periods of dry weather;
- At the start of each working day the Contractor's Site Manager (or other designated persons) will review the existing ground (and trafficking) conditions and the predicted weather systems. In the event it is considered that there is a high likelihood of dust being generated by the proposed quarrying operations (the creation of a 25 m dust cloud from point of source), dust suppression measures will be implemented on the access roads and haul routes within the working area as construction operations commence;
- On-going visual assessments will be made throughout the day by the Contractor's Site Manager (or other designated persons) particularly during periods of dry ground conditions and weather systems to determine the location, frequency and extent of dust suppression measures that should be employed at the site to mitigate dust impacts to residential properties or public footpaths;
- Speed restrictions will apply to all vehicles on Site to minimise the uplift of dust created by vehicle draught;
- Dust suppression measures will include the application of water by tractor and bowser onto access roads and within the working area;
- When, and if, extra dust suppression measures are necessary, additional tractors and bowsers with spray bars will be employed to suppress dust generation in line with HSE guidance; and

- A daily record will be made when dust suppression measures are employed within the works.

## Dust Control Scheme: IWMF Road Construction

Access to the IWMF will be via an existing junction east of Bradwell and a private access road from the A120 that is already constructed as far as Bradwell Quarry for the sand and gravel operations on Rivenhall Airfield that are being undertaken by Blackwater Aggregates.

The IWMF access road will be a continuation of this road from Bradwell Quarry southwards across the former airfield and through sections of restored and/or an operational quarry to the site of the IWMF.

It should be noted that all earthworks materials used in the construction of the access road will be indigenous to Bradwell Quarry and will either arise from temporary stockpile and/or insitu excavation of overburden materials within the IWMF site.

The access road will be constructed to the alignment, level and general detail(s) set out within the submission of details against Condition 6.

The transportation, placement and compaction of the earthworks and capping materials required to construct the site access road will be carried out in line with industry best practice. The dust control measures set out above (IWMF Excavation Operations) shall apply.

Similarly, recognised industry best practice shall apply to mitigate and control dust arising from the construction of any temporary access roads or temporary site infrastructure required for the construction of the IWMF.

## Dust Control Scheme: IWMF Construction Works

To control and minimise dust during the construction of the IWMF the following control measures will be implemented, in line with industry and existing best practice, namely:

- In line with HSE guidance Construction Information Sheet No 36 (Revision 2), dust will be tackled at source using water and/or mists, on-tool extraction or vacuum extraction units, working within dedicated cutting areas which offer control and containment to dust at the point of source, i.e. screening and shrouding a working area, using equipment that stops dust getting into the air, and using covered chutes and skips (where appropriate) for the deposition of construction waste materials resulting from the works;
- Using appropriate machinery and where necessary water sprays and mists within the working area;
- Managing the construction works in order that they progress in a phased and systematic manner, adopting industry recognised best practice and mitigating the creation or generation of dust at source;
- During the construction phase the site access roads (permanent and temporary) will be sprayed and damped down using either a tractor and bowser, or similar recognised dust suppression techniques;
- Vehicles shall enter and leave the Site and/or working areas along defined access routes which will be constructed to a high standard;
- Speed restrictions will apply to all vehicles to minimise the uplift of dust created by the vehicles draft; and
- Construction operations likely to cause dust, will be carried out in accordance with site specific method statements and risk assessments to assure the control and mitigation at the point of source.

Based on sensible and safe working principles that fully comply with recognised health and safety standards, the impact of dust and particulate matter on construction personnel working within the construction site and the areas surrounding the Site will be low.