



Noise/Dust generation Assessment and Migration

Park Avenue, Royston, Barnsley

Dust Generation

During prolonged periods of dry/windy weather, key areas identified as significant dust generating activities are:-

- Site traffic movement on unmade or base coursed roads
- Handling and storage of soil arising
- Foundation excavation
- Site clearance of vegetation (surface covering vegetation)

Mitigation

- **Site traffic**
During periods of dry/windy weather, the roads (including temporary haul roads and Stumpcross Lane) are to be damped down, by mobile water bowser fitted with spreader bar water delivery system to suppress airborne dust generation. Following this procedure, regular road sweeping to clear muddy deposits from the traffic areas. Site traffic speeds on site to be regulated and kept below 5mph.
- **Handling and Storage**
During periods of dry/windy weather, soil arising from excavations or site stripping is to be damped down in the area of the works and prior to the works commencing during periods of weather conducive to dust generation these stock piles are to be mechanically compacted and sealed to prevent loose material becoming airborne. Materials known to generate dust must be removed from the development as soon as possible unless it is to be utilised elsewhere on the development
- **Site Clearance of vegetation**
Existing ground vegetation is a good suppressor of dust, therefore stripping of this material is to be minimised and localised around the immediate area of the works. Site stripping works must be damped down prior to the works commencing and arising stored as above.
- All damping down procedures highlighted above must also incorporate the appropriate silt barriers to prevent silt entering any adjacent water courses or drainage systems.

Noise Mitigation

Throughout the construction phases of the development, all machinery and vehicles employed on site shall be fitted with effective silencers of a type appropriate to their specification and shall undergo maintenance/servicing in accordance with manufacturer recommended intervals. At all times the best practical means shall be employed to prevent or counteract the effect of noise emitted by vehicles, plant, machinery or otherwise arising from on site activities.