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Construction Environmental Management Plan

Site Location: Crease Drove, Crowland

Site Planning

As an accredited ISO45001 and ISO14001 holder we actively undertake pre and post inspections of the site to ensure compliance is met and enforced. All cutting is either undertaken in a control area under cover, or if outside than the following is implemented:

- Wood cutting machines must have a dust bag or extractor fitted.
- Bricks/ blocks /tiles etc must incorporates water suppression in their process.
- All cutting is away from adjacent properties and never near a boundary.
- There is a strictly no bonfires on site policy.
- Plan site layout and machinery movements to minimise the generation of fugitive dust.

Construction Traffic

When not in direct operation or immediate planned movement, all vehicles will have their engines switched off.

It is the policy of the Company that the Site Manager is to ensure that pre-removal of plant from site that they are washed or cleaned, especially when onward movement requires the vehicle to transit passed adjacent sensitive receptors.

All waste loads leaving site the Site Manager will ensure they are covered.

All Non Road Mobile Machinery (NRMM) use ultra low sulphur tax-exempt diesel (ULSD) where available.

Demolition Works

Demolition will be carried out by a specialist contractor.

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Site Activities

Utilising the GFM-SHE-01,17, 18 and 26 the Company will minimise dust generating activities by;

- Use water as dust suppressant where applicable.
- Keep stockpiles for the shortest possible time.
- Ensuring designated cutting zones.
- Extraction.
- Dust bags.
- Dampening down transit zones.

The project requires going near to residential/commercial properties. The access involves going through residential/commercial properties and it is acknowledged the roads are narrow. It is however not envisaged that traffic congestion (such as construction site traffic from site) will impact on the surroundings.

- Fuel storage is within a double bunded bowser.
- Principle Contact –Stephen Walsh, 07587636358, swalsh@partnerconstruction.co.uk. Contact address is site address. Stephen Walsh is the Construction Director of countless residential developments throughout the UK, and has experience in Dust management.

Summary of monitoring protocols and agreed procedure of notification to the local authority nominated person(s);

- A site log book will record details and action taken in response to exceptional incidents or dust-causing episodes, and or neighborhood complaints. Any adverse results of site inspections will also be recorded.

The project will have a dedicated Waste Management Plan.

Pre-Site Preparation

- Machinery not left close to boundary.
- Secure fencing in place.
- Scaffolding contractors to assess need for mesh / enclosure of upper levels. Though not envisaged.
- Regular site monitoring, and no complaints recorded to date in accordance with the CPP.

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Haulage Routes

Surface of Roads

Initially the project roads are hardcore with the issue programme of works demonstrating when they are solid.

- A hard surface to be retained for all loading and unloading.
- Generally most vehicle movements within site on hard surface.

Damping Down

Wheel cleaning facility on site, will be generally by pressure washer and hard brush. However as above dirt on wheels of vehicles should be prevented by use of hard surfaces. Provisional arrangements for mechanical road sweepers are arranged by the Company commercial department when required.

Vehicles

- All vehicles should switch off engines - no idling
- Clean or wash all vehicles effectively before they leave a site if there is a risk of affecting nearby sensitive receptors
- All loads leaving site to be covered. Haulers will be requested to ensure they are covered on arrival.

The site entrance is close to neighboring properties, so particular attention will be given to avoiding road vehicles coming into contact with mud or soft material on the site.

- Wash or clean all vehicles effectively before leaving the site, but in addition try and avoid vehicle wheels from becoming dirty by maintaining the area of hard standing effected clear of mud and dust.

Excavation and Earthworks

- All dusty activities to be damped down, especially during dry weather;
- When applicable temporarily cover earthworks;
- Minimise drop heights to control the fall of materials, in accordance with GFM-SHE-26.

Stockpiles and Storage Mounds

All waste material to be removed from site without delay.

Any surplus top soil to be rolled and stored for a minimum amount of time (in any event there is minimum site space for such storage).

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Cutting Grinding and Sawing

- All equipment will use water suppressant, dust bags or suitable local exhaust ventilation systems during the designated cutting zone.

Where possible the Company routinely uses precut materials (such as roof trusses, concrete floor beams to reduce on site cutting)

Chutes and Skips

- The company utilizes securely covered skips;
- The Company enforces 'bombing' and minimises drop heights to control the fall of materials;
- Dependent on weather conditions the internal and external damping down of surfaces with water is implemented.

Waste Disposal/Burning

- No burning of any material is permitted on site;
- All excess material should not be wasted, but reused, or safely removed from site in accordance with legislation, ISO14001 and the site waste plan.
- Separation at source of waste in accordance with the waste management plan is implemented to ensure the highest percentage of recycling against the lowest to landfill in accordance with the waste hierarchy.

Dealing with spillages

For all sites, the following measures will be followed:

- The use of a dedicated bunded areas wherever practicable;
- Instigation of the practice spillage plan and daily and routine inspections the site area for spillages utilizing the GFM-SHE-77;
- No fuel on site until the spillage kits is readily available and the team have received a short duration training (SDT) on its use and limitations;
- Clean spillages utilizing the spillage response plan in the SHE system;
- Vacuum or damp sweep regularly to prevent the buildup of fine waste dust material, which is spilled on the site and is designated as waste that is no longer fit for use and disposed in the designated skip in accordance with the site waste management plan.
- Inform the Environment Agency if harmful substances are spilled.

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Hazardous and Contaminated Materials

Notwithstanding the Principal Designer and the PCIP has indicated contamination on site on such occasions as with this project the highlighted areas will be remediated via a pre-approved contractor with approved RAMS in accordance with the SHE management system.

Aggregates and hardcore laying

- If delivered dry the load will be water sprayed to reduce the potential of a dust cloud.

Tarmac Laying and Use of Bitumen

- The Site Manager and approved contractor will ensure they do not overheat bitumen and cover pots;
- Use great care in all processes to prevent spillages and extinguish any accidental fires immediately.

Site Monitoring

Site Monitoring Protocols

- The company employs best practice methods at all times i.e. Visual assessments the GFM-SHE-01, 17, 111-116 focused on the site and any nearby receptors and during the phases of works most likely to generate dust.
- The Company takes into account the impact of air quality and dust on occupational exposure standards to minimise worker exposure and breaches of air quality objectives that may occur outside the site boundary, such as by visual assessment. This is implemented by the GFM-SHE-77, 26 and 26a, and suitably supplemented by a health surveillance programme and the GFM-SHE-56a;
- The Company CPP also has a robust and an accurate log of complaints from the public utilizing the GFM-SHE-15.