

NOISE MANAGEMENT PLAN

This protocol will form a section of the Construction Phase Plan and within the relevant section of the Environment Management Plan. The controls within this document are to be complied with by the PC and all subcontractors during the construction works.

NOISE CONTROL: HEALTH & SAFETY

- Works are to comply with the Control of Noise at Work Regulations (2005) and shall be coordinated by the Site Manager. Refer to: Controlling noise at work - Guidance on the Noise at Work Regulations (2005)
- Where possible noise levels at source are to be reduced by the careful selection of plant, with plant and equipment in a good state of repair, siting noise sources remote from the workforce, etc.
- Where noise levels remain above 80 dB (A), noise assessments are to be undertaken and suitable hearing protection made available to those that request it.
- Where noise levels are above 85 dB (A), establish hearing protection zones which are clearly signed.
- Ear protection must be worn within established ear protection zones.
- Ensure that noise does not cause a nuisance to persons in the vicinity of work being carried out.
- Where noise assessment indicates a risk to employees' health, undertake health surveillance for employees (i.e. regular exposure above a daily or weekly personal noise exposure of 85dB (A)).

NOISE CONTROL: ENVIRONMENTAL

Environmental Management Controls are to be adopted during the works to reduce potential noise and vibration disturbance from site generated activities. In establishing criteria, controls and working methods, account shall be taken of guidance BS 5228 'Noise control on construction and open sites'.

Environmental Management controls are to include:

Sound Barriers

- Acoustic fencing - A noise barrier shall be erected along the eastern and Southern edge of the Site Boundary
- Welfare as sound barrier - Site buildings such as temporary offices and stores are to be grouped together to form a noise barrier separating site operations and nearby noise sensitive premises where practicable.
- Earth noise bund - Temporary bunds (inert soil stockpiles) shall be built along the eastern and Southern boundaries of the site in phases with the landfill excavation, preventing noise disturbance to the Farm and neighbouring residents

- Temporary sound barriers - Land remediation works taking place close to existing dwellings will be assessed. Use of acoustic screens will be used to mitigate noise where necessary

- Acoustic screens should be set up between the noise generating plant and any surrounding

noise sensitive area. The material used for the screening should have a mass per unit of surface area in excess of 16 kg/m². To prevent some sound passing round the ends of short straight barriers, the length of a barrier used for screening should be at least five times greater than its height. Using well placed screening could reduce the noise levels by 10 – 15 dB.

Limited Work Hours

- Use of normal working hours 08.00 to 18.00Hrs Monday to Friday and 09.00 to 14.00Hrs on Saturdays, with no works expected to occur on Sundays. NB: Some operations may continue overnight if noise assessment can show noise impact to be within tolerance.

- Where reasonably practicable, ensuring the use of quiet working methods, the use of the most suitable plant, reasonable hours of working for noisy operations, and economy and speed of operations;

Operational Practices

- Machines in intermittent use should be shut down in the intervening periods between work or throttled down to a minimum

- Materials should be handled with care and whenever practicable not dropped. Plan deliveries in off peak periods where practicable

- Traffic management schemes to be implemented and maintained

- Ensure information on disruptive activities is adequately communicated through to interest groups

Maintenance

- Regular and effective maintenance of static and mobile plant by trained personnel to reduce noise from machinery

Plant Specification

- If necessary, acoustic enclosures should be provided and/or acoustic screening for ancillary equipment such as generators

- Anti-vibration mountings shall be fitted where practicable to rotating and/or impacting equipment

- Preferred use of electrically powered plant as opposed to diesel or petrol driven where practicable

- All construction plant and equipment should comply with EU noise emission limits

Positioning of Plant & Equipment

- Locating noisy plant and equipment as far away from noise-sensitive receptors as reasonably practicable and, where possible, carry out loading and unloading in these areas
- Orientating plant that is known to emit noise strongly in one direction so that the noise is directed away from noise-sensitive receptors, where possible
- All ancillary plant such as generators, compressors and pumps should be positioned so as to cause minimum noise disturbance
- Crushing and screening activities shall be undertaken away from any residential areas
- Lorries and dumpers shall be parked at a designated area, away from the residential properties

LETTER DROP TO LOCAL RESIDENTS

Before commencing any works the Principal Contractor will distribute letters to all of the surrounding residences, introducing themselves and briefly explaining what is happening and when. This will give the residences

contact details of the project team and give them a chance to air any potential concerns also to give them contact details in the event of a noise complaint.

COMPLAINTS PROCEDURE

- Observe good neighbour procedures and dealing with any complaints in a speedy and sympathetic manner
- On receiving a noise related complaint inform the Site Manager who will be responsible for administering Complaints Procedure. A noise assessment will be undertaken to investigate source and implement noise attenuation/control measures to ensure noise levels are not exceeding agreed trigger levels.

ENVIRONMENTAL NOISE MONITORING PLAN

The PC will be responsible for undertaking continuous boundary noise monitoring.

Daily noise monitoring within the work zones will be undertaken by PC during noisy operations to check compliance with the Control of Noise at Work Regulations. This data will also be used to identify any increasing noise levels associated with the works.

Additionally, aural noise monitoring will be undertaken on a continuous basis by the site manager, plant operators and site engineers to check plant is operating normally and to detect any significantly noisy activities.