

Environmental Plan

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1. Introduction

This document defines the procedures for achieving the objectives set out in the Company Environmental Policies and any identified environmental performance targets for the project.

It sets out the approach to environmental management throughout the demolition and construction phases with the primary aim of reducing adverse impacts from construction on the environment and improving the overall environmental performance of Westfields.

Key actions discussed throughout this environment section are shown in the table below. Associated documents are located on the shared drive and a management system will be kept within the site office for all logs and paperwork associated with the environmental elements of the project

2. Site Environmental Risks and Opportunities

It is a requirement to identify environmental risks and assess their significance. A site-specific risk assessment has been produced for the works and can be found in the appendix.

3. Arrangements for controlling significant site risks

Significant site risks and the management arrangements for their control have been identified below:

Significant Environmental Risks	Control Measures.
Emissions to Air, Ground, Water courses.	Dust and emissions will be managed at the site boundary to ensure they don't exceed acceptable limits. If limits are exceeded, then works are to stop and review is to be conducted.
Noise	Noise reading are taken every day and recorded at gate 1 and gate 2
Pollution and Environmental Damage	Emergency response team will be established and contingency plans should take account of the location of the local drainage system; requirement to engage with the emergency services, location and contents of spill kits, notification process and emergency contacts list in the event of an incident etc. Spill kits are located on both gate 1 and gate 2. A practice run using the spill kits is to take place with the gatemen to ensure fast and effective response in the event of a hazardous spill on site.
Surface water Discharge	There will be a requirement to discharge water into the main sewer system. Under the The Water Abstraction and Impounding (Exemptions) Regulations 2017 this is covered under section 6.
Generation of waste	Follow the waste hierarchy. Where possible renewable packaging to be utilised and or products to be recycled.

	All waste to be diverted from land fill where possible. Hazardous wastes are to be identified and disposed of in the correct manner.
Use of fuel and oil on site and other Hazardous products	All sources of fuel and oil to have a bund and or plant nappy underneath. Spill kits to be located by each gate. Contractors are to provide separate spill kits for their own fuel bowsers. COSHH store now on site
Use of timber products	All timber for temporary or permanent works to be FSC certified and/or recycled. We aim to recycle and reuse as much timber and pallets as possible and will ask a local company to come and collected used pallets when needed.
Ready Mix Concrete	All concrete activities to be conducted away from drains and other surface water features. Wash out to be conducted in a lined skip or impermeable designated space on site.
Asbestos in the Ground	Asbestos found in the ground to a local area. Consult a specialist Asbestos Management company to develop a management plan for working around and removing
Amount of deliveries required	Establish logistic booking in system. Have a consolidation yard for storage and distribution of materials close to site

4. Noise and Vibration Procedures

The company [Environmental Policy](#) should be adhered to. Westfields shall review all suppliers proposed methods for noise and vibration control and mitigation.

The section 106 agreement stipulates the working hours agreed with Manchester City Council All subcontractors must ensure compliance with this agreement.

Permitted hours for site work are the following:

- 08:00 - 18:00 hours (Monday to Friday);
- 08:30 - 14:00 hours (Saturday); and
- no working is permitted on Sundays or Bank Holidays.

It is recognised that there may be circumstances where the restriction on hours of work cannot be adhered to, for example, the concreting of the larger diameter piles, which cannot be completed within the hours of a single working day, but that also cannot be carried over to the following day. The team should endeavour to minimise the frequency and duration of such works. However, where unavoidable, the project team will be required to fully justify any proposed deviation from these operating periods, provide written justification to the Local Authority, and notify neighbours before works outside normal hours commence.

Regular monitoring of noise will be undertaken daily by the Westfield team at the site perimeter. Should monitoring identify any exceedance of the noise or vibration action levels or should any complaints

regarding noise and vibration be received, additional sample noise and vibration monitoring should be undertaken by the Contractor.

Where the results of the monitoring exercises indicate that the Action Levels have been exceeded, the following actions should be undertaken:

- The activity or activities causing the Action Levels to be exceeded will be identified through discussions with the Contractor;
- Investigations will be made to determine whether the activities could be easily changed or other simple actions taken to substantially reduce noise or vibration levels;
- If simple and effective remedial measures are not identified, consideration will be given to the implementation of alternative techniques and/or additional mitigation measures; and

In all cases where Action Levels are likely to be exceeded, neighbourhood liaison will be carried out to the degree that is appropriate for the levels likely to be reached and their estimated duration.

All complaints of noise will be logged within the complaints tracker and each item will require a response as to what action has been taken by Westfields.

It has been agreed with Manchester City Council that due to Covid-19, working hours can be extended to 9pm Mon-Saturday to assist with social distancing. The same principles are to be adopted in terms of noise management as for during site working hours apart from the frequency of noise readings will be increased to hourly after 6pm.

All local residents are to be notified of the extended working hours via letter drop which will also invite them to a open forum meeting to discuss why this is happening and what the likely impact may be to them.

Contact details for the 6pm-9pm working site manager will be made available to all local residents to contact if required.

5. Control of Emissions to Air

Dust nuisance occurs more readily during prolonged periods of dry weather and especially in strong winds. Consequently, good site management would include the ability to respond quickly to such conditions by employing such techniques as damping down (i.e. using a spray hose to deliver a fine spray) of stockpiles and sheeting of lorries.

The Site Managers will monitor the dust and air quality during regular site inspections to assess the likelihood of causing damage. If an activity is deemed to be causing a detrimental effect to air quality the following will be undertaken

- identify the activity or activities causing significant dust;
- investigate whether the activities could be easily changed or other simple actions taken to substantially reduce dust levels;
- if simple and effective remedial measures are not identified, adopt alternative techniques and/or additional mitigation measures, until the problem is rectified; and
- in cases where the above cannot be controlled the local neighbours and Manchester Council are to be notified and review alternatives or agree to the lapse in air quality.

Non Road Mobile Machinery (NRMM) requirements will be met to Stage IIIB. of the Directive as a minimum. Records will be retained on the Register of Plant and Equipment. The logistics manager keeps logs of all plant on site.

6. Noise Monitoring

The project will be working the following hours:

Monday – Friday 08.00 – 18.00

Saturday 08.30 – 14.00 No works unless agreed in advance.

It is intended that no works that will be audible at the site boundary will be undertaken outside of these hours or on Sundays or Bank Holidays or outside the hours stipulated above. In the event of a material change to working practices, a section 61 variation shall be submitted to the Council for approval prior to the works taking place.

If noisy work unexpectedly has to be carried out after 18.00, the Site will telephone the Environmental Health Officer as soon as possible with the following details:

- Contact on site
- Works to be undertaken
- Mitigation measures
- Predicted time of finish

Over runs of noisy activities will only be approved on the basis that for Health and Safety or safe engineering reasons, the works cannot be practically completed in the normal working day and/or the out of hours activities applied for would have acceptable minor noise impacts. The reason for an over run will need to be fully explained on this basis.

The Site Managers will be provided with mobile noise monitoring equipment to monitor and periodically record the noise levels during regular site inspections and conduct spot checks on noisy site activities.

At site boundary the noise trigger level is to be 75dB LA_{eq} 1hr

If this noise level is exceeded, then the following actions are to be undertaken:

- identify the activity or activities causing significant noise;
- investigate whether the activities could be easily changed or other simple actions taken to substantially reduce noise levels;
- if simple and effective remedial measures are not identified, adopt alternative techniques and/or additional mitigation measures, until the problem is rectified or stop works entirely; and
- in cases where the above cannot be controlled the local neighbours and Manchester Council are to be notified and review alternatives or agree to short term relaxation of the noise control requirements

7. Waste Minimisation and Management

Westfields are committed to reducing the volume of waste produced through the application of the waste hierarchy in all its activities.

The following suppliers will be responsible for their own waste streams (RC Frame, Piling, external works) must provide the following documents:-

- Resource Management Plan;
- Non-Hazardous or Hazardous Waste Carriers Licence issued by the Environment Agency for all companies removing waste;
- Environmental Permits (Waste Management Licence) for all facilities where all the hazardous and non-hazardous waste streams are transported to;

All other suppliers will utilise the waste contractors to remove waste except for COSSH waste

Transfer notes for controlled waste and consignment notes for hazardous waste must comply with regulatory requirements. Sufficient information must be provided to ensure that the waste disposal operator is aware of the potential hazards of the substance.

All Suppliers responsible for removal of their own wastes must report waste quantities (as tonnage) for each waste stream. Supporting Waste Transfer Notes must be made available to the Westfields immediately on request.

Waste storage must comply with both pollution prevention legislation (PPG6) and waste permitting legislation. Should the site require any permitting for items such as waste water, crush material etc. they must contact their Sustainability Manager in advance to ensure full compliance.

8. Off Site Material Storage Yard

The offsite material storage yard is available for storage of materials, preparation of existing cobbles for reuse and consolidation of delivery vehicles.

Westfields will be reinstating the cobbles removed from site. These will be stored in the storage yard as detailed within the logistics plan where they will be cleaned, sorted and transported back to site to be used within the final paving scheme.

The cobbles are from the existing Aspin Lane and Mincing Lane which are intended for reuse within the final paving scheme for the project. The cobbles are in poor condition with amounts of tar underneath. These will be taken the yard in their as lifted state and then cleaned and sorted at the Storage yard.

9. Responsible Sourcing

Prior to commencement on site confirmation of validated chain of custody certification or responsible sourcing certification shall be provided by the supplier.

Suppliers will provide copies of delivery notes confirming the date of delivery, delivery location, type and quantity of materials.

When delivering timber to site delivery tickets must comply with the EU timber regulations.

10. Biodiversity requirements

No known ecological requirements or risks identified for the project.

In the event of any unanticipated discoveries, work will halt in the area and Westfields will be informed.

Bird, Bat and Bee boxes have been installed to the perimeter fence around Angel Meadows to help the local environment and habitats during and after the construction.