Draft Construction Environmental Management Plan

Sandleford Park, Newbury

Bloor Homes and Sandleford Farm Partnership

March 2020

Ref: 2017.013.005b

White Peak Planning Ltd
Didsbury Business Centre
137 Barlow Moor Road
Manchester
M20 2PW

T: 0845 034 7323
E: info@whitepeakplanning.co.uk

www.whitepeakplanning.co.uk

Bloor Homes and Sandleford Farm Partnership

Sandleford Farm, Newbury

Draft Construction Environmental Management Plan

December 2019

Ref: 2017.013.005b

Authorised for and on behalf of White Peak Planning Ltd.

Rob White
Director

This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party. Any such party relies on this report at their own risk.

WHITE PEAK Planning

Tel: 0845 034 7323

robw@whitepeakplanning.co.uk

Contents

1.0 Introduction

1.1 This Document

1.1.1 This document is a draft Construction Environmental Management Plan (CEMP) and has been produced by White Peak Planning on behalf of Bloor Homes and the Sandleford Farm Partnership.

1.1.2 The draft CEMP forms part of an Environmental Statement (ES) produced in support of an outline planning application to West Berkshire Council (WBC) for the following:

- Up to 1,000 homes (C3);
- 80 extra care housing units (C3);
- A two forms of entry primary school (D1);
- A mixed-use local centre to include:
    - Shops (A1), financial and professional services (A2); food and drink (A3), drinking establishments (A4) and hot food takeaways (A5);
    - Business use (B1a);
    - Non-residential institutions (D1);
    - Assembly and leisure (D2).
- Open space, including a Country Park;
- Vehicular access from Monk's Lane;
- Drainage infrastructure;
- Walking and cycling infrastructure; and
- Other associated infrastructure.

1.1.3 The mitigation measures included in this document relate to both of the outline applications.

1.2 Purpose and Content of this Document

1.2.1 The purpose of this draft CEMP is to provide a framework for the production of a detailed CEMP prior to construction of the development. It aims to provide evidence to WBC that the mitigation measures proposed within the ES will be delivered during the construction phase.

1.2.2 The draft CEMP firstly sets out the structure of the document, covering the following:

- Project Team Roles and Responsibilities;
- Summary of Procedures;

- Consents and Permissions;
- Generic Environmental Actions;
- Liaison and Consultation Requirements;
- Register of Variations; and
- Technical Schedules.

1.2.3 In Section 6, the draft CEMP then aims to clearly set out the site-specific actions that are required during construction to mitigate the potential environmental impacts identified in the ES. Table 6.1 sets out the following:

- Actions required in order to achieve the levels of residual environmental impact as stated in the Environmental Statement (ES);
- The purpose of each action;
- Who is responsible for the action; and
- Reference to the relevant section within the ES.

1.3 Guidance

1.3.1 The content of this draft CEMP has been informed by guidance produced by the Institute of Environmental Management and Assessment (IEMA) [1].

1.3.2 *Box 4.2: A good practice example of EMP structure* on Page 29 has been used as the basis for this draft CEMP.

(1) IEMA (2008) Environmental Management Plans, Practitioner, vol. 12.

2.0 Project Team Roles and Responsibilities

2.1.1 The specific detail of this section will be updated following the granting of planning consent, however, general requirements are set out below.

2.1.2 The Principal Contractor for the site will nominate a senior member of staff to supervise the activities on the construction site at all times when the site is operational. The appointed person will be responsible for ensuring that all legislation, codes and standards are adhered to.

2.1.3 The designated person from the contractor will be the first point of contact for members of the public or statutory bodies in the event that there are complaints or disturbance. Contact details should be clearly displayed on hoardings around the site. All complaints must be logged and appropriate action taken within five days. A written response must be provided within five days.

2.1.4 The project team will be appointed prior to construction commencing.

3.0 Summary of Procedures

3.1.1 The contractor shall prepare and maintain a set of emergency procedures and contacts which should be prominently displayed on the site at all times. Such procedures must be followed in the event of an emergency or breaching of CEMP measures.

3.1.2 The specific detail of this section will be updated following granting of planning consent.

4.0 Consents and Permissions

4.1.1 This section will provide a record of the consents within which the project is taking place, for example:

- Planning Permissions;
- Discharge Consents;
- Consents for the Disturbance of Protected species.

4.1.2 The specific detail of this section will be updated following granting of planning consent.

5.0 Generic Environmental Actions

5.1 Legislation, Codes and Standards

5.1.1 All site work will be carried out under the provisions of the Health and Safety at Work Act 1974. Health and Safety briefings will be made to all staff before they enter the site initially followed by regular updates and awareness raising.

5.1.2 There are numerous other topic-specific legislative documents, codes and standards that cover environmental and related matters which are applicable to this CEMP. Some of these are included below, but note that this is not an exhaustive list at this stage:

- The Control of Pollution Act 1974 (as amended)
- Wildlife and Countryside Act 1981
- Environmental Protection Act 1990
- Water Resources Act 1991
- The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017
- Flood and Water Management Act 2010
- Clean Air Act 1993
- The Construction (Design & Management) Regulations 2015
- Special Waste Regulations 1996 (as amended)
- Management of Health & Safety at Work Regulations 1999
- Control of Substances Hazardous to Health (COSHH) Regulations 1999 (as amended)
- Pollution Prevention and Control (England and Wales) Regulations 2000
- Countryside Rights of Way Act 2001
- Traffic Regulations and General direction 2002 (as amended)
- BS 5228:2009 – Code of practice for noise and vibration control on construction and open sites
- BS 5837 Guide for Trees in relation to Construction
- BS 6031 Code of Practice for Earthworks
- BS 6069 Characterisation of Air Quality
- Environment Agency's Pollution Prevention Guidelines (PPGs):
    - EA PPG01 General guide to the prevention of pollution;
    - EA PPG02 Above ground oil storage tanks;
    - EA PPG05 Works & maintenance in or near water;
    - EA PPG06 Working at construction and demolition sites;
    - EA PPG07 Refuelling facilities;

- EA PPG08 Safe storage & disposal of used oil;
- EA PPG13 Vehicle washing & cleaning;
- EA PPG18 Managing fire water & major spillages;
- EA PPG20 Dewatering underground ducts and chambers;
- EA PPG21 Pollution incident response planning;
- EA PPG22 Dealing with spillages on highways;
- EA PPG23 Maintenance of structures over water; and
- EA PPG26 Storage & handling of drums & intermediate bulk containers.

5.1.3 In addition to the above PPGs, construction will also be undertaken in accordance with the CIRIA guidance documents, including 'Report 156: Control of water pollution from construction sites – a guide to good practice' (2001) and 'Report C648 – Control of water pollution from linear construction projects' (2006) which provides additional detail on actions required to reduce the impact of construction works on the water environment.

5.1.4 The following website compiled by UK environmental regulators provides comprehensive environmental legislative guidance and basic requirements pertaining to demolition and construction works http://www.netregs.gov.uk which should also be accounted for.

5.1.5 Compliance with the CEMP will not absolve the contractors or their sub-contractors from compliance with all legislative requirements applicable at the time of construction activities. Wherever this draft CEMP makes reference to legislation, standards or codes it shall be the contractor's responsibility to ensure that the current versions are used at all times.

5.1.6 The contractors should be required to demonstrate that all site managers, supervisors, foremen and operatives together with security staff will be provided with the relevant training and awareness of site procedures and best construction practice. Appropriate equipment such as booms and absorption mats in the event of an accidental spillage or pollution incident will also be made available and easily accessible. The Environment Agency should be informed of all pollution incidents and action taken.

5.2 Standard Environmental Management System (EMS) Documents

5.2.1 This section will include details of standard documents contained within the proponent's/contractor's EMS relating to construction activities. This will include information on use and control of contractors etc.

5.2.2 The specific detail of this section will be updated following granting of planning consent.

6.0 Register of Site Specific Environmental Actions

6.1.1 *Table 6.1* provides details of the standard construction mitigation measures that have been proposed as part of the EIA. These measures are grouped by environmental topic and can be cross-referenced to the ES.

6.1.2 Each action contains the following information:

- Reference number;
- Purpose of the action;
- Detail of the action;
- Responsibility; and
- Reference to ES Chapter and Section.

Table 6.1 – Site Specific Environmental Actions				
Ref	**Purpose of the Action**	**Detail of the Action**	**Responsibility**	**ES Ref**
Ecology				
E1	Loss of/damage to ecological features	Protection of existing vegetation identified for retention in accordance with BS 5837:2012 prior to, and for duration of, site construction works. To include buffer areas from woodland, hedgerows and streams	Principal Contractor	ES Section 6.5 and ES Appendix F18
E2	Lighting impacts	Construction-phase lighting plan to prevent illumination of retained and created ecological features	Principal Contractor	ES Section 6.5 and ES Appendix F18
E3	Impacts to species	Timing of works to avoid breeding bird season, dormouse hibernation and breeding season, and reptile hibernation. Measures to protect wildlife moving across the Site (provision of escape routes from trenches, capping pipes, secure storage of chemicals and spoil, storage of materials on pallets etc.). Construction phase displacement of reptiles (during active season) to encourage migration from construction areas to retained suitable habitat.	Principal Contractor, in conjunction with Ecological Clerk of Works	ES Section 6.5 and ES Appendix F18
E4	Spread of invasive species	Pre-works invasive species management, and working methods adhered to during works	Principal Contractor, in conjunction with Ecological Clerk of Works	ES Section 6.5 and ES Appendix F18
Landscape & Visual				
LV1	Loss of/damage to existing site vegetation	Protection of existing vegetation identified for retention to be protected in accordance with BS 5837:2012 prior to, and for duration of, site construction works. Where works to existing trees required to facilitate development, these are to be undertaken by a qualified tree surgeon, in accordance with the AIA.	Principal Contractor	ES Section 7.5, and ES Appendix G7

LV2	Impact on fabric of country park	Construction works including haulage roads and storage compounds to be sited outside the SPD designated footprint for the country park; only concentred construction activities (e.g. new pathways) to be undertaken within this area.	Principal Contractor	ES Section 7.5, and ES Figure 4.2.
LV3	Impact on views from Sandleford Priory (St. Gabriel's School)	Early/advanced structure planting to be undertaken in key locations as shown on ES Figure 4.2.	Principal Contractor in conjunction with landscape contractor.	ES Section 7.5
Soils and Agriculture				
SA1	Conservation of soil resources	Soil disturbance will be managed in accordance with best practice as set out in the Code of Practice for the Sustainable Use of Soils on Construction Sites.	Principal Contractor	ES Section 8.5
Cultural Heritage				
CH1	Protection of historic landscape features	The physical above-ground cultural heritage features such as woodland areas, trees and hedgerows and the agricultural building south of the walled garden to be protected by fencing for the duration of the construction period.	Principal Contractor	ES Section 9.5
Archaeology				
A1	Below ground development impacts on archaeological deposits, from construction groundworks.	Programme of archaeological mitigation to be undertaken in accordance with a condition of planning consent.	Archaeological Consultant	ES Section 10.5
Water Resources				
WR1	Direct and indirect contamination of watercourses due to mobilisation of soils, existing contamination and spillage of oils from construction plant via surface water runoff.	The discharge of suspended solids to watercourses and ground waters will be avoided by prohibiting temporary construction discharge. Treatment of site runoff to reduce suspended solids may include containment ponds with silt traps/ settlement units. Discharge of waters resulting from construction activities will be directed to foul sewers, subject to approval of the drainage authority. There is the potential for fuel oil spillage from stored materials supplying site plant and machinery use. This	Principal Contractor	ES Section 11.5

		potential impact will be controlled by storing such materials and machinery within bunded tanks located within the site compounds and away from watercourses, where possible. All hazardous liquids and chemicals are also to be securely stored and utilised in accordance with COSHH regulations. The works will be completed in a manner that is consistent with the need to protect the surface and ground water quality environment, such as restricting the use of agricultural chemicals to times of low rainfall and programming culverting works for the summer/autumn, where possible. It will be incumbent on the Main Contractor to assess working practice related risks and effects before implementation and control such by employing industry good practice techniques. West Berkshire Council will be informed of any significant environmental occurrences on site together with any complaints reported to the Main Contractor by members of the public. All environmental complaints received will be reported to the Environmental Manager and logged in a Complaints Register, which shall be available for review by the Contract Manager. These will be investigated in the following manner: • Contact with contractor/consultant or Environmental Manager for report on activity; • Site visit to determine whether the source of complaint can be identified; • Corrective action where relevant; • Subsequent reporting of source of complaint where appropriate; • Follow-up with complainant as necessary.		

		The Main Contractor will be required to develop emergency spillage, flood, fire and contamination control procedures and spill kits, such that any inadvertent incidents are immediately controlled to minimise the potential impact. All works will be completed in accordance with guidance provided on the Gov.UK website (and former Environment Agency documents, PPG6 Working at Construction and Demolition Sites and PPG21 Pollution Incident Response Planning), together with current best practice measures for the management of construction activities.		
WR2	Direct and indirect flooding and changes to baseline drainage hydrology due to disturbances of the ground during construction works.	Design and install appropriate drainage in site compounds to avoid pollution Surface water runoff to watercourses to be discharged at rates to be agreed with the Environment Agency. Minimise compaction of soil	Principal Contractor	ES Section 11.5
Utilities				
U1	Shortages of Supply	Development of supply strategies and reinforcements where necessary.		ES Section 12.5
U2	Network Outages	Care taken when making new connections, live jointing or temporary shutdowns where necessary. Adopting good working Statutory Obligation practices e.g. ‘licence to dig’.		ES Section 12.5
U3	Inadequate provision of service supplies	Involving the appropriate supply operators in assessing their existing network and given the opportunity to form strategies for dealing with supply growth.		ES Section 12.5

Transport & Accessibility				
TA1	Prevention of impacts on users of the highway and local residents during the construction phase.	A Construction Traffic Management Plan shall be prepared and adhered to during the construction phase of the development.	Principal Contractor	ES Section 13.5
Noise & Vibration				
NV1	Source Noise Control	Wherever possible noise will be controlled at source. a) avoid unnecessary revving of engines and switch off equipment when not required; b) keep internal haul routes well maintained and avoid steep gradients; c) use rubber linings in, for example, chutes and dumpers to reduce impact noise; d) minimize drop height of materials; e) start up plant and vehicles sequentially rather than all together. As far as reasonably practicable, sources of significant noise will be enclosed or screened. The extent to which this can be done depends on the nature of the machine or process to be enclosed and their ventilation requirements. For maximum benefit, screens will be close to the source of noise.	Principal Contractor	ES Section 14.5
NV2	Plant Location	The plant and activities to be employed on that site will be reviewed to ensure that they are the quietest available for the required purpose; this is in accordance with best practicable means. For an existing operational site, where reasonably practicable, noisy plant or activities will be replaced by less noisy alternatives if noise problems are occurring. Noise from existing plant and equipment can often be reduced by modification or by the application of improved sound reduction methods, but this will only be carried out after consultation with the manufacturer.	Principal Contractor	ES Section 14.5

		Suppliers of plant will often have ready-made kits available and will often have experience of reducing noise from their plant.		
NV3	Working Methods	Where reasonably practicable, quiet working methods will be employed, including use of the most suitable plant, reasonable hours of working for noisy operations, and economy and speed of operations.	Principal Contractor	ES Section 14.5
NV4	Scheduling of Works	It is proposed that the scheduling of any construction works at the site be within daytime hours. The following hours of construction working are proposed; a) Monday to Friday: 07:00 – 19:00 b) Saturday: 07:00 – 13:00 c) Sundays and Bank Holidays: No Working	Principal Contractor	ES Section 14.5
NV5	Maintenance	Regular and effective maintenance by trained personnel is essential and will do much to reduce noise from plant and machinery. Increases in plant noise are often indicative of future mechanical failure.	Principal Contractor	ES Section 14.5
NV6	Training	Operatives will be trained to employ appropriate techniques to keep site noise to a minimum, and will be effectively supervised to ensure that best working practice in respect of noise reduction is followed. All employees will be advised regularly of the following, as part of their training: a) the proper use and maintenance of tools and equipment; b) the positioning of machinery on site to reduce the emission of noise to the neighbourhood and to site personnel; c) the avoidance of unnecessary noise when carrying out manual operations and when operating plant and	Principal Contractor	ES Section 14.5

		equipment; d) the protection of persons against noise; e) the operation of sound measuring equipment (selected personnel). Special attention will be given to the use and maintenance of sound-reduction equipment fitted to power tools and machines.		
NV7	Community Relations	Appointment of a responsible person to liaise with the public.	Principal Contractor	ES Section 14.5
NV8	Noise Monitoring	On-site noise levels will be monitored regularly, particularly if changes in machinery or project designs are introduced, by a suitably qualified person appointed specifically for the purpose. Noise monitoring during the construction phase will be undertaken in accordance with the guidance presented in Annex G of BS 5228-1:2009 which states that the following information will be recorded: a) the measured values of L_{Aeq} and, where appropriate, $L_{pA(max)}$ or L_{A01}, together with details of the appropriate time periods; b) details of the instrumentation and measurement methods used, including details of any sampling techniques, position of microphone(s) in relation to the site and system calibration data; c) any factors that might have adversely affected the reliability or accuracy of the measurements; d) plans of the site and neighbourhood showing the position of plant, associated buildings and notes of site activities during monitoring period(s); e) notes on weather conditions, including where relevant, wind speed/direction, temperature, presence of	Principal Contractor	ES Section 14.5

		precipitation, etc.; f) time, date and name of person carrying out the measurement. It is proposed that noise levels will be routinely monitored and reported at these locations for 4 hours during construction activities on a monthly basis. Additional measurements will be undertaken to establish whether specific equipment or practices will be capable of achieving the Noise Emission Limits as set out below or in light of any complaints.		
NV9	Vibration Monitoring	Vibration monitoring will be undertaken during the construction phase; monitoring will record ppv, max displacement, VDV and acceleration. Measurement will generally be undertaken in accordance with the procedure described in BS ISO 4866:2010: Guidelines for the measurement of vibrations and evaluation of their effects on structures. Works will stop and alternative methods employed if vibration exceeds 5mm/s. Records of the monitoring will be consistent with the requirements of BS7385:1990 and will include: • Description of the vibration source • Type and condition of the building • Purpose of the measurement • Reference to BS7385 • Position of transducer and manner of coupling type and make of transducer • Frequency range and linearity • Assessment of the sources of error • PPV recorded and associated frequency	Principal Contractor	ES Section 14.5

Air Quality				
AQ1	Communications	Develop and implement a stakeholder communications plan that includes community engagement before work commences on site.	Principal Contractor	ES Section 15.5
AQ2		Display the name and contact details of person(s) accountable for air quality and dust issues on the site boundary. This may be the environment manager/engineer or the site manager.	Principal Contractor	ES Section 15.5
AQ3		Display the head or regional office contact information	Principal Contractor	ES Section 15.5
AQ4	Dust Management	Develop and implement a Dust Management Plan (DMP), which may include measures to control other emissions, approved by the Local Authority. The level of detail will depend on the risk, and should include as a minimum the highly recommended measures in this document. The desirable measures should be included as appropriate for the site.	Principal Contractor	ES Section 15.5
AQ5		Record all dust and air quality complaints, identify cause(s), take appropriate measures to reduce emissions in a timely manner, and record the measures taken.	Principal Contractor	ES Section 15.5
AQ6		Make the complaints log available to the local authority when asked.	Principal Contractor	ES Section 15.5
AQ7		Record any exceptional incidents that cause dust and/or air emissions, either on- or offsite, and the action taken to resolve the situation in the log book.	Principal Contractor	ES Section 15.5
AQ8		Hold regular liaison meetings with other high risk construction sites within 500m of the site boundary, to ensure plans are co-ordinated and dust and particulate matter emissions are minimised. It is important to understand the interactions of the off-site transport/deliveries which might be using the same strategic road network routes.	Principal Contractor	ES Section 15.5

AQ9		Undertake daily on-site and off-site inspection, where receptors (including roads) are nearby, to monitor dust, record inspection results, and make the log available to the local authority when asked. This should include regular dust soiling checks of surfaces such as street furniture, cars and window sills within 100m of site boundary, with cleaning to be provided if necessary.	Principal Contractor	ES Section 15.5
AQ10		Carry out regular site inspections to monitor compliance with the DMP, record inspection results, and make an inspection log available to the local authority when asked.	Principal Contractor	ES Section 15.5
AQ11		Increase the frequency of site inspections by the person accountable for air quality and dust issues on site when activities with a high potential to produce dust are being carried out and during prolonged dry or windy conditions.	Principal Contractor	ES Section 15.5
AQ12		Agree dust deposition, dust flux, or real-time PM_{10} continuous monitoring locations with the Local Authority. Where possible commence baseline monitoring at least three months before work commences on site or, if it a large site, before work on a phase commences. Further guidance is provided by IAQM on monitoring during demolition, earthworks and construction.	Principal Contractor	ES Section 15.5
AQ13		Plan site layout so that machinery and dust causing activities are located away from receptors, as far as is possible.	Principal Contractor	ES Section 15.5
AQ14		Erect solid screens or barriers around dusty activities or the site boundary that are at least as high as any stockpiles on site.	Principal Contractor	ES Section 15.5
AQ15		Fully enclose site or specific operations where there is a high potential for dust production and the site is actives for an extensive period.	Principal Contractor	ES Section 15.5

AQ16		Avoid site runoff of water or mud.	Principal Contractor	ES Section 15.5
AQ17		Keep site fencing, barriers and scaffolding clean using wet methods.	Principal Contractor	ES Section 15.5
AQ18		Remove materials that have a potential to produce dust from site as soon as possible, unless being re-used on site. If they are being re-used on-site cover as described below.	Principal Contractor	ES Section 15.5
AQ19		Cover, seed or fence stockpiles to prevent wind whipping.	Principal Contractor	ES Section 15.5
AQ20		Ensure all on-road vehicles comply with the requirements of the London Low Emission Zone and the London NRMM standards, where applicable	Principal Contractor	ES Section 15.5
AQ21		Ensure all vehicles switch off engines when stationary - no idling vehicles.	Principal Contractor	ES Section 15.5
AQ22		Avoid the use of diesel or petrol powered generators and use mains electricity or battery powered equipment where practicable.	Principal Contractor	ES Section 15.5
AQ23		Impose and signpost a maximum-speed-limit of 15 mph on surfaced and 10 mph on un-surfaced haul roads and work areas (if long haul routes are required these speeds may be increased with suitable additional control measures provided, subject to the approval of the nominated undertaker and with the agreement of the local authority, where appropriate)	Principal Contractor	ES Section 15.5
AQ24		Produce a Construction Logistics Plan to manage the sustainable delivery of goods and materials.	Principal Contractor	ES Section 15.5
AQ25		Implement a Travel Plan that supports and encourages sustainable travel (public transport, cycling, walking, and car-sharing)	Principal Contractor	ES Section 15.5

AQ26		Only use cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays or local extraction, e.g. suitable local exhaust ventilation systems	Principal Contractor	ES Section 15.5
AQ27		Only use cutting, grinding or sawing equipment fitted or in conjunction with suitable dust suppression techniques such as water sprays or local extraction, e.g. suitable local exhaust ventilation systems	Principal Contractor	ES Section 15.5
AQ28		Ensure an adequate water supply on the site for effective dust/particulate matter suppression/mitigation, using non-potable water where possible and appropriate.	Principal Contractor	ES Section 15.5
AQ29		Use enclosed chutes and conveyors and covered skips	Principal Contractor	ES Section 15.5
AQ30		Minimise drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment and use fine water sprays on such equipment wherever appropriate.	Principal Contractor	ES Section 15.5
AQ31		Ensure equipment is readily available on site to clean any dry spillages, and clean up spillages as soon as reasonably practicable after the event using wet cleaning methods	Principal Contractor	ES Section 15.5
AQ32		Avoid bonfires and burning of waste materials.	Principal Contractor	ES Section 15.5
AQ33	Demolition	Ensure effective water suppression is used during demolition operations. Hand held sprays are more effective than hoses attached to equipment as the water can be directed to where it is needed. In addition high volume water suppression systems, manually controlled, can produce fine water droplets that effectively bring the dust particles to the ground.	Principal Contractor	ES Section 15.5
AQ34		Avoid explosive blasting, using appropriate manual or mechanical alternatives.	Principal Contractor	ES Section 15.5

AQ35		Bag and remove any biological debris or damp down such material before demolition.	Principal Contractor	ES Section 15.5
AQ36		Soft strip inside buildings before demolition (retaining walls and windows in the rest of the building where possible, to provide a screen against dust).	Principal Contractor	ES Section 15.5
AQ37	Earthworks	Avoid scabbling (roughening of concrete surfaces) if possible	Principal Contractor	ES Section 15.5
AQ38		Ensure sand and other aggregates are stored in bunded areas and are not allowed to dry out, unless this is required for a particular process, in which case ensure that appropriate additional control measures are in place.	Principal Contractor	ES Section 15.5
AQ39		Ensure bulk cement and other fine powder materials are delivered in enclosed tankers and stored in silos with suitable emission control systems to prevent escape of material and overfilling during delivery.	Principal Contractor	ES Section 15.5
AQ40		For smaller supplies of fine power materials ensure bags are sealed after use and stored appropriately to prevent dust.	Principal Contractor	ES Section 15.5
AQ41	Trackout	Use water-assisted dust sweeper(s) on the access and local roads, to remove, as necessary, any material tracked out of the site. This may require the sweeper being continuously in use.	Principal Contractor	ES Section 15.5
AQ42		Avoid dry sweeping of large areas.	Principal Contractor	ES Section 15.5
AQ43		Ensure vehicles entering and leaving sites are covered to prevent escape of materials during transport.	Principal Contractor	ES Section 15.5
AQ44		Inspect on-site haul routes for integrity and instigate necessary repairs to the surface as soon as reasonably practicable.	Principal Contractor	ES Section 15.5

AQ45		Record all inspections of haul routes and any subsequent action in a site log book.	Principal Contractor	ES Section 15.5
AQ46		Install hard surfaced haul routes, which are regularly damped down with fixed or mobile sprinkler systems, or mobile water bowsers and regularly cleaned.	Principal Contractor	ES Section 15.5
AQ47		Implement a wheel washing system (with rumble grids to dislodge accumulated dust and mud prior to leaving the site where reasonably practicable).	Principal Contractor	ES Section 15.5
AQ48		Ensure there is an adequate area of hard surfaced road between the wheel wash facility and the site exit, wherever site size and layout permits.	Principal Contractor	ES Section 15.5
AQ49		Access gates to be located at least 10m from receptors where possible.	Principal Contractor	ES Section 15.5

7.0 Liaison and Consultation Requirements

7.1.1 This section will include requirements for prior authorisation or provision of monitoring data, along with key internal and external contacts, for example:

- Environment Agency contacts;
- Neighbour notification contacts.

7.1.2 The specific detail of this section will be updated following granting of planning consent.

8.0 Register of Variations

8.1.1 This section will record changes to construction methods, design and mitigation and the implications of these changes and authorising personnel.

8.1.2 The specific detail of this section will be updated following granting of planning consent.

9.0 Technical Studies

9.1.1 This section will record changes to construction methods, design and mitigation and the implications of these changes and authorising personnel.

9.1.2 The specific detail of this section will be updated following granting of planning consent.