



Construction Environmental Management Plan Framework

Site at Langstone Technology Park, 2B
Langstone Road, Havant, PO9 1SA

June 2022

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1. Introduction

- 1.1 The site of the proposed development is located at Langstone Technology Park, 2B Langstone Road, Havant, PO9 1SA.
- 1.2 The site sits in a business park, with a residential area to the east and an industrial area to the west. The A27 Havant Bypass lies directly south of the site and access is gained from Langstone Road to the east.
- 1.3 XLB Property Ltd is looking to undergo a phased demolition of buildings/erection of flexible use employment floorspace (Classes E(g)(i)-(iii)/B2/B8 and E(b)/E(d)/E(f).
- 1.4 The Principal Contractor is committed to identifying, eliminating, or controlling foreseeable risks so as not to have significant impacts on the local community and the environment. This will be delivered carrying out the developments in an environmentally sustainable manner and this Construction Management Plan (CEMP) has been developed to ensure that contractors appointed to carry out work on the developments are aware of the Principal Contractor's environmental requirements.
- 1.5 This document defines the range of general and specific measures to which the Principal Contractor and its contractors shall adhere during the works, to comply with both the Principal Contractor commitment and requirements and current standards of best practice, and to safeguard the amenities of nearby residents.
- 1.6 Phlorum Ltd (Phlorum), as specialist environmental consultants experienced in the management of major construction projects, has been appointed by XLB Property Ltd to develop a CEMP which will be submitted to the Local Authorities involved and provided to the Principal Contractor appointed for the project. Compliance with the CEMP will be a mandatory contractual requirement.
- 1.7 The site will be developed on a phased basis, and it is anticipated that a detailed CEMP will be provided for each phase, and be required to adhere to the CEMP Framework.

Aim of the CEMP

- 1.8 The aim of the CEMP is to comply with an advisory made by Natural England.
- 1.9 This advisory states that a Construction Environmental Management Plan (CEMP) should be submitted to and approved in writing by the district ecologist/biodiversity officer that identifies the steps and procedures that will be implemented to avoid or mitigate constructional impacts on species and habitats. The CEMP should address the following impacts:

-  *Storage of construction materials/chemicals and equipment*
-  *Dust suppression*
-  *Chemical and/or fuel run-off from construction into nearby watercourse(s)*
-  *Waste disposal*
-  *Noise/visual/vibrational impacts*
-  *Visual screening (for SPA birds)*

The approved CEMP should be secured via an appropriately worded condition attached to any planning consent and shall be adhered to at all times, unless otherwise first agreed in writing with the Local Planning Authority.

Purpose of the CEMP

- 1.10 The purpose of this CEMP is to set out the environmental criteria under which the works shall be carried out, taking account of relevant environmental legislation, the Principal Contractor's policies, and prevailing standards of best practice.
- 1.11 The CEMP establishes a series of objectives and measures to be applied throughout the construction period to protect the environment and limit disturbance to residents and other sensitive receptors from construction activities.
- 1.12 The CEMP sets out:
 -  the general principles to be applied during construction and the context within which mitigation measures will operate and be developed;
 -  the general provisions for construction site operations; and
 -  the general environmental requirements that need to be considered and adopted throughout the periods of construction.
- 1.13 The CEMP will form part of the environmental management measures to be implemented by the contractors. A review system will be developed to ensure that commitments entered into with the relevant local and statutory authorities are complied with. Where required, regular monitoring of environmental effects will be carried out by the contractors, or their consultants, in accordance with the requirements set out in the CEMP. The results of such monitoring will be audited by the Principal Contractor and performance regularly reviewed with the contractors and the relevant authorities. This process will not remove any enforcement rights of local or statutory authorities but will help ensure potential problems are recognised and dealt with on a proactive basis.
- 1.14 The Client shall be required to periodically review the CEMP in conjunction with the Principal Contractor, on the basis of discussions with the Local Planning Authority (LPA) and other relevant statutory bodies.

Relevant Legislation

- 1.15 The contractors will be required to comply with all relevant environmental legislation and Best Practice guidance during their work.

Structure and Responsibility

- 1.16 The Principal Contractor shall need to identify the management structure responsible for implementing the CEMP. The CEMP will provide an overall management structure for ensuring and demonstrating compliance with contractor's environmental commitments, policies, and objectives. This will include a programme of monitoring and auditing.
- 1.17 The Principal Contractor shall nominate a suitably experienced manager to take responsibility for all issues associated with the environment. This shall include environmental management and compliance with all appropriate legislation and regulations and the development, implementation, monitoring, audit and updating of the CEMP.

Training

- 1.18 The Principal Contractor shall be responsible for identifying the training needs of staff, contractors, and site workers to ensure that all personnel whose work may cause an impact on the environment receive appropriate environmental training. Training and awareness should include:
 -  briefing staff on the role of the CEMP;
 -  provision of environmental elements in induction talks; and
 -  giving Toolbox Talks on specific issues such as noise prevention, spillage prevention, etc.

Operation Control

- 1.19 Site works will be checked against the CEMP requirements. Frequent inspections of the site and of the works will be carried out by the Site Manager to minimise the risk of accidents and disturbance to the nearby residents and to ensure compliance with the CEMP.
- 1.20 Any accidents and environmental incidents will be reported immediately to the Site Manager.

2. Site Operations

Objectives

- 2.1 The Principal Contractor shall require the contractors to carry out the works in such a way as to limit, as far as reasonably practicable, any adverse environmental impact associated or arising from the works.

Timeframe

- 2.2 The timeframe of the construction phases is currently unknown. Indicative timescales are as follows: Phase 1 38 weeks construction & 15 weeks demolition, start date to be confirmed, Phase 2 15 weeks demolition and 40 weeks construction. Phase 3 20 weeks demolition and 40 weeks construction. Phase 4 15 weeks demolition and 40 weeks construction.

Worksite Layout and Appearance

- 2.3 The contractors shall take account of the following:
-  where the site is not naturally protected by existing fencing, or other barriers, temporary hoardings or fences may need to be erected to maintain public safety, prevent visual intrusion and if necessary, provide noise shielding;
 -  the Principal Contractor may require that hoardings include publicity information about the progress of the works and details of a Helpline, where appropriate;
 -  lighting of the site for security and safety should be of a standard and arrangement acceptable to the reasonable requirements of the LPA, so as to prevent interference with local residents, or local businesses. If night work is required, some impact from lights may be unavoidable. In these instances, lights should be screened, where possible, and directed downwards and away from properties;
 -  security measures should be implemented by the contractors to prevent unauthorised entry to, or exit from, the sites; and
 -  due to the space on the site and the sensitivity of the area, the contractors should ensure that no accommodation areas are provided for workers on the site.

Working Hours

- 2.4 The proposed working hours for the sites will be 07:30 to 17:30 hours, Mondays to Fridays and 08:00 to 13:00 hours on Saturdays, with no work on Sundays or Bank Holidays, unless otherwise agreed.
- 2.5 Whilst most work is likely to be possible during core working hours for the sites, there are several work areas/activities which may have to occur outside core hours and they are listed below.
-  Essential and specific work/activities such as concrete structures to be poured continuously and power floating. In these circumstances, a dispensation agreement will be required, prior to these activities to be carried out.
 -  Any special delivery, whether required, should be outside core hours, to ensure a limited impact as possible on the surrounding highways.
- 2.6 Occupiers of nearby residential properties will be informed in advance of the works taking place and their duration. In the case of work required in response to an emergency, the local authority and local residents will be advised as soon as is reasonably practicable that the works are taking place and their likely duration.

Good Housekeeping

- 2.7 Under the terms of the contract the contractors will follow a "good housekeeping" policy at all times. This shall include but not necessarily be limited to:
-  considerate site behaviour of contractor staff;
 -  prohibition of open fires;
 -  appropriate provisions for dust control and road cleanliness;
 -  the frequent cleansing of wheel washing facilities, if required;
 -  frequent inspection of hoardings, their repair and re-painting, as necessary;
 -  provision and maintenance of toilet and other welfare facilities;
 -  the removal of food waste;
 -  removal of rubbish at frequent intervals, leaving the site clean and tidy;
 -  the prevention of vermin and other infestations; and
 -  site lighting should not cause undue intrusion to residential properties.
- 2.8 The project will be carried out in compliance with principles of the Considerate Constructors Scheme, or similar standard.

Site Setup and Site Compound

- 2.9 The site setup will be organised in accordance with the contractors' preferences, the proposed location of the new buildings and the access way's locations.

- 2.10 Care will be taken when siting the welfare, or other static plants that any exhaust fumes do not cause a nuisance to the neighbours.

Scaffolding (if used)

- 2.11 Scaffolding will be erected to create a safe temporary working platform and will be planned and erected by competent persons.
- 2.12 Scaffolding will be maintained and checked at regular intervals to comply with the requirements of HSE regulations.
- 2.13 Scaffolding will include debris netting and all practicable protection, as necessary, to provide strict protection of all workers and third parties.
- 2.14 The scaffold will be contained within the site boundaries and used for moving material vertically, as well as providing a safe working area.

Site Parking

- 2.15 A site compound including contractor parking and storage/waste areas will be identified within each phase of development and details provided.
- 2.16 The site is fully accessible for non-car models of transport with bus stops within 200m east from the site and the use of public transport should be preferred and encouraged.

Health and Safety Measures

- 2.17 The Principal Contractor shall be responsible for identifying the training needs of staff, contractors and site workers to ensure that all personnel follow safe work procedures to mitigate, reduce or control the hazards identified on site.
- 2.18 A Construction Health and safety Plan will be prepared in accordance with CDM Regulations 2015.
- 2.19 Risk assessment will be produced and agreed, then updated when necessary during the construction phase.
- 2.20 All contractors will require producing method statements to establish safe method of works. Method statements will be kept on site.
- 2.21 A site induction will be provided to all new personnel and third parties visiting the site to establish the site rules and safety procedures.

Mitigation of General Impacts

- 2.22 Measures to mitigate the general impacts of construction traffic include:
-  Service vehicle drivers will be instructed to arrive only within designated delivery periods – these periods are outside of the highway network and school peak hours;

- 🌱 Construction workers will be encouraged to lift share or use sustainable forms of transportation to reach the site where possible (noting that the site is exceptionally well served by public transport)– thereby minimising the total number of vehicular trips to the site on a daily basis; and
- 🌱 Deliveries will be carefully planned in advance to minimise the numbers of vehicles required; ensure service vehicles are not simultaneously on site; and ensure vehicles only arrive / depart with full loads as much as possible.

Site Security

- 2.23 All site personnel will daily sign in on arrival and sign out before leaving the site.
- 2.24 The hoarding will be regularly controlled to ensure it is maintained secure.
- 2.25 Access to the site will be allowed only to authorised personnel.

Emergency Contact details

- 2.26 The emergency contacts details, when confirmed by the Principal Contractor, and the emergency procedure produced by the Principal Contractor will be prominently displayed on the site hoarding.
- 2.27 All personnel will be required to read and sign to the effect that they read all the emergency procedures when signing in for the first time.

3. Public Highways

Objectives

- 3.1 The contractors will carry out the works in such a way as to maintain, as far as reasonably practicable, existing public access routes and rights of way during construction. Where this cannot be achieved, the contractors will establish and signpost temporary diversion routes.
- 3.2 The contractors will be required to carry out the works in such a way that inconvenience to the public arising from increases in traffic flows and disruptive effects of construction traffic on local and main roads are kept to the absolute minimum. Plus, the public footpath to the east of the site should be kept open at all times, where possible. Site access is off Brookside Road, to the west of the site.

Temporary and Permanent Closures and Diversions

- 3.3 The public footpath to the east of the site may need temporary closure or division while works are undertaken. The main aim will be to keep the footpath, even in a temporarily diverted form, open at all times during the works.
- 3.4 The contractors will give appropriate notice of highway work to the local highway authority and obtain all necessary consents, approvals and notices before commencing work.
- 3.5 If there is a need to carry out a temporary road closures, or an alternative road diversions, which have not been anticipated by the Principal Contractor in the development of the scheme, then the consent of the local highway authority will be required.
- 3.6 The contractors will be responsible for all proposals, details, execution, maintenance, removal and necessary reinstatement associated with traffic safety and management.

Works Affecting Carriageways and Footways

- 3.7 Before commencing construction of any works which will involve interference with a carriageway or footway, the local highway authority will be consulted on the proposed commencement date and duration of these works and the area of the carriageway or footway concerned. Consultation will also include safety for the public on or adjacent to the public highway and the protection of the highway structure. Any interference with the structure or surface of the highway and associated street furniture or equipment will need to be restored by the contractor to the reasonable satisfaction of the local highway authority.

Environmental Requirements

- 3.8 The contractors will be responsible for ensuring the safety of the public in areas affected by the works and providing pedestrian access during the construction period, to meet the requirements of the local highway authority. This will include but will not necessarily be limited to:
-  reasonable access for people, including those who are mobility impaired or those using wheelchairs or pushchairs of paved footpaths, through measures to be agreed between the contractors and the local highway authority (the existing footpath across the site is an unpaved footpath and currently unsuitable for wheel chairs);
 -  any temporary footways and carriageways, which replace existing hard surface paths/carriage ways, shall have uniform surfaces and will be surfaced in non-slip materials. As far as possible, there should be neither steps nor any gradients greater than those that they replace;
 -  pavement ramps will be provided at all junctions of paved footways with carriageways and will have tactile edges for the visually impaired, where practical. Gradients will aim not to exceed 1 in 12 and the base of the ramp shall be flush with the carriageway;
 -  the contractors will not encroach onto the highway at any time, or interfere with the free movement of traffic or pedestrians, without the prior approval of the local highway authority. Temporary measures which necessitate any reduction in the effective width of footways or carriageways shall be agreed with the local highway authority and the Police;
 -  where the works necessitate the diversion of footways or closure of other pedestrian routes, clear signing shall be provided at all times for each route, with the minimum number of changes to all temporary layouts in order to reduce confusion.
 -  all pedestrian routes diverted onto the carriageway will be clearly defined by continuous barriers with a tapping rail for the visually impaired and constructed to meet the requirements of the local highway authority;
 -  where a temporary paved footway is required, it will be constructed to meet the reasonable requirements of the local highway authority. The replace of the temporary unpaved footpath across site will be provided in accordance with the requirements of the local authority;
 -  all footways and carriageways shall be kept free from mud and other loose materials arising from the works; and
 -  vehicles entering or leaving the site in reverse shall only be allowed to cross footways under the control of a competent banksman and shall be accompanied by an audible reversing alarm.

Maintenance and Repair of the Highway

- 3.9 As stated above, the main entry to the site is via Brookside Road. Contractors will be responsible for any damage caused by their activities to roads, kerbs or footways in the vicinity of the worksite and will rectify any damage and carry out permanent reinstatement in a manner approved by the local highway authority, as it is the intention of the developer to bring Brookside Road to an adoptable standard.

Site Traffic and Lorry Movements

- 3.10 The contractors will adopt and use construction traffic routes in agreed consultation with the local highway authority. Drivers of lorries waiting to enter or leave the site will be required to switch off their engines.
- 3.11 The contractors operating tipper vehicles, and all the personnel involved in the procedure, should be responsible to prevent, in all practicable ways, falls and loss of load during the vehicles operation, including during the sheeting and the un-sheeting operations and the transit.
- 3.12 Manual sheeting from vehicles should be discouraged unless it is not reasonably practicable to use another option (e.g. automated and mechanical sheeting).

Mud on Roads

- 3.13 The contractors will take all reasonable measures to avoid mud being deposited on roads. Measures to be adopted will reflect the nature of the works and these may include but are not necessarily limited to:
-  the provision of easily cleaned and properly drained hardstandings for vehicles entering, parking and leaving the site;
 -  the provision of wheel-washing facilities, with sumps and catchpits;
 -  the use of approved mechanical road sweepers, to clean the site hardstandings and any mud or debris deposited by site vehicles on roads or footpaths, in the vicinity of the site; and
 -  the adequate sheeting of each lorry load of spoil removed to prevent spoil falling off, or dust blowing off, during its journey.

4. Noise and Vibration

- 4.1 A Noise Assessment was undertaken by Spectrum Acoustic Consultants in 2021. It was concluded that the potential noise impact from the proposed site use is considered to be suitably low and allowing the proposed industrial use of the whole site without hours of operation restrictions would not give rise to a significant risk of disturbance to nearby residents.

Objective

- 4.2 The contractors will control and limit noise and vibration levels, so far as is reasonably practicable, so that residential properties and all other sensitive receptors are protected from excessive noise and vibration levels arising from the works. The contractors will be required to demonstrate that Best Practicable Means (BPM) has been applied to all activities and through the design of the developments.

Sensitive Receptors

- 4.3 The closest residential properties are on Langbrook Close, which are adjacent to the east boundary of the site. To the south and west there are a range of commercial developments. The north of the site is bounded by the A27.

Noise and Vibration Control Measures

- 4.4 Measures required to implement BPM shall be consistent with the recommendations contained within BS 4142:2014+A1:2019 and may include:
-  careful selection, maintenance and location of plant, construction methods and programming. Only plant conforming with relevant national or international noise emission standards and directives shall be used;
 -  design and use of site hoardings and other temporary screens, where practicable and necessary, to provide acoustic screening at the earliest opportunity;
 -  where practicable, doors and gates should not be located opposite noise-sensitive buildings and should otherwise be kept closed at all times;
 -  appropriate choice of methods, routes and programming for the transport of construction materials, spoil and personnel by road;
 -  erection of any noise barriers, as early as practicable in the construction process, to provide additional protection against construction noise;
 -  monitoring and reporting of construction noise and vibration at sensitive locations. Details subject to consultation with the LPA; and

-  assessment of potentially significant noise and vibration sources, including a review of potential impacts from alternative techniques and suitable mitigation, to ensure BPM, e.g. for the piling technique chosen.

5. Dust and Air Pollution

- 5.1 An air quality assessment was undertaken by Phlorum in 2021 and updated in 2022. The analysis concluded that background pollution concentrations across the site were likely to fall below the relevant UK Air Quality Standard concentrations, and, the operation of the proposed development is not expected to introduce new, sensitive receptors into an area of existing poor air quality, nor is it anticipated to significantly impact on local air quality.
- 5.2 An odour assessment was also completed by Phlorum in 2021. It was concluded that the proposed development is considered to present, at worst, a slight adverse odour risk to nearby sensitive receptors. However, this risk is not considered to be significant.

Objective

- 5.3 The contractors shall take all necessary measures to avoid significant environmental effects arising from dust or fumes from road, or contract plant sources or any other air-borne pollutants. Prior to the commencement of work, the contractors shall develop specific measures to limit dust and fume emissions at source as part of the development of the CEMP, such as Environmental Monitoring Procedures in accordance with BPM.

Dust Control Measures

- 5.4 The contractors shall take all reasonably practicable measures to avoid creating a dust nuisance and shall propose measures acceptable to the LPA, prior to commencing work.
- 5.5 In the event that processes cause, or are likely to cause, the release of quantities of dust into the atmosphere, the contractors will undertake appropriate mitigation at source to minimise any emissions.
- 5.6 Measures to control the propagation of dust will include one or more of the following practices under agreed programmes, as appropriate:
-  provide easily cleaned and properly drained hardstanding areas for vehicles entering, parking and leaving the site, with appropriate wheel washing facilities, including sumps and catchpits, which shall be kept clean by regular brushing and water spraying;
 -  site hardstanding areas will be kept free of any mud or debris deposited by site vehicles on roads or footpaths in the vicinity of the site;
 -  regularly damp down unsurfaced haul routes and verges as well as cleaning these areas where they are located close to sensitive locations and provide sealed surfacing, in order to prevent soil contamination;
 -  establish and enforce appropriate speed limits over any unmade surfaces, in order to minimise the creation of dust;

-  control the cutting or grinding of materials on site, such that any dust created by these processes is minimised and does not migrate off the site, nor pose any significant environmental risks;
-  vehicles loading and unloading dusty material should be screened and the material damped down;
-  ensure that all vehicles are adequately sheeted;
-  store materials, as far as possible from the site boundaries and sensitive receptors taking the prevailing wind direction into account; and
-  only mix concrete within areas which are enclosed and shielded, in order to prevent contamination of air and soil.

Air Pollution

- 5.7 The contractors shall take all necessary precautions to prevent the occurrence of smoke emissions or fumes from site plant, construction traffic, stored fuel oils or other substances and prevent any emissions or fumes drifting into nearby residential areas, workplaces or areas of public open space and community uses.
- 5.8 The contractors shall ensure that all plant is in good repair and conforms to the manufacturers' or legislative emission standards. Plant shall not be left running/idling when not in active use.
- 5.9 The contractor shall ensure that no smoke or fume emissions exceed approved occupational exposure limits.

Monitoring

- 5.10 The contractor shall undertake dust and air quality monitoring at sensitive locations, as necessary. The air quality assessment (Phlorum 2022) recommends the following:
 -  Carry out regular site inspections to monitor compliance with the Dust Management Plan, record inspection results, and make an inspection log available to the local authority when asked.
 -  Increase the frequency of 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.
 -  Agree dust deposition, dust flux, or real-time PM10 continuous monitoring locations with the Local Authority. Where possible commence baseline monitoring at least three months before work commences on site or, if it is a large site, before work on a phase commences. Further guidance is provided by the IAQM18 on monitoring during demolition, earthworks, and construction.

6. Spoil and Waste

Objective

- 6.1 The contractors will be required to carry out the works in such a way that, as far as is reasonably practicable, the amount of spoil and waste to be disposed of is minimised and that any waste arising from the sites is properly classified and dealt with in accordance with the appropriate legislation.

Spoil and Waste Control Measures

- 6.2 As part of the development of the CEMP, the contractors will identify the: waste categories; waste quantities; opportunities for recycling and/ or reuse; disposal routes; and licensing requirements, for all spoil and waste arising from the works. The development of the CEMP will include an audit programme to be undertaken by the contractors to demonstrate that any waste removed is received at an appropriately licensed waste facility.
- 6.3 Wherever possible, subject to technical considerations, spoil arising from the works and which is classified as acceptable fill, will be re-used in the construction works.
- 6.4 The contractors will comply with the appropriate guidance notes and statutory procedures in the identification, handling, storage, recovery and disposal of waste.
- 6.5 Where possible all waste will be reduced, reused and recycled prior to landfilling. All hazardous waste will be segregated. Site office waste would be collected separately to maximise the opportunities of recycling.
- 6.6 All waste removed from site will have an appropriate filled out waste transfer note, and/or consignment note. These notes will be kept as a minimum for two to three years respectively.

Waste Storage

- 6.7 The office waste and office recycling waste will be located in/or next to the site compound.
- 6.8 The general site waste will be stored in dedicated storage areas close to the site compound. This will include dedicated hazardous waste storage containers/areas. Spoil waste will be kept on site and either re-sued/ or removed off site as required.

Monitoring

- 6.9 As part of the development of the CEMP, the contractor shall produce a procedure to review the environmental capabilities of sub-contractors, including waste carriers and disposal sites and ensure that they are regularly audited.

- 6.10 Checks will also be carried out to ensure that there are appropriate, and filled out, waste transfer notes and consignment notes and that they are been kept.
- 6.11 HCC have requested that the construction allows for the incidental extraction of potentially viable minerals, such as from footing excavations, the preparation of the road and utility infrastructure and from landscaping areas. It has been requested that in the incidence any minerals are extracted that the relevant tonnage is recorded and this information submitted to HCC.

7. Hydrology & Aquatic Resources

Objective

- 7.1 The contractors will implement working methods to protect, so far as is reasonably practicable, surface and groundwaters from pollution and other adverse impacts arising from the works, including changes to water levels, flows and quality. This is particularly important for the existing and new drainage ditches on and adjacent to the site.

Sensitive Receptors

- 7.2 There is a stream along the eastern boundary which flows into the English Chancel which is less than 800m to the south of the site.

Hydrology & Aquatic Resources Control Measures

- 7.3 Discharges to controlled waters, whether ground or surface, will only be permitted where levels of contaminants in appropriately treated wastewater are demonstrated to be acceptable to the EA. If water is discharged either to a controlled water source or a sewer, then appropriate discharge consent license will be obtained.
- 7.4 Prior to any excavations works below the water table, including any site de-watering, the contractors will inform the EA of the works to be carried out and obtain the appropriate consents and/or licences.
- 7.5 The contractors shall ensure the following:
-  the requirements of consents for discharges to controlled waters shall be complied with, including any requirements for monitoring and reporting of results to the appropriate authority. Appropriate measures will be taken to ensure that oil interceptors and sediment settlement or other treatment facilities are regularly inspected and maintained and that a full record is kept of inspections, maintenance works and measures taken to sustain equipment performance; and
 -  applications for Trade Effluent Consents shall be made to the relevant water company for any discharge into a sewer.
- 7.6 The contractors will make provisions for the control of hazardous substances, including oil drums/fuel stores or containers on site, in accordance with COSHH regulations. Such items are to be properly banded so that in the event of spillage or leakage, no oil or other contaminants are allowed to reach water courses or groundwaters, including aquifers.

8. Ecology

Objective

- 8.1 The contractors shall comply with the relevant statutory provisions in respect of the protection of areas of nature conservation interest and of protected species and will control and limit, as far as reasonably practicable, any disturbance to such areas and such species.
- 8.2 Where species are protected by specific legislation, the contractors shall follow approved guidance to comply with those requirements and allow sufficient time for any licences or consents to be obtained.

Sensitive Ecology

- 8.3 A preliminary Ecological Appraisal was undertaken by Phlorum on 13th December 2021. It was concluded that the site showed potential for the following protected species: reptiles, bats, birds, badgers, dormice, water vole, otter, stag beetles and hedgehogs. The sensitive ecological habitats on site consisted of a stream along the eastern boundary, broad leaved semi-natural woodland, scattered trees and ruderal vegetation.

Ecology Control Measures

- 8.4 An ecological receptor location, or series of locations, will need to be maintained on site at all times.
- 8.5 In order to avoid any potential impact on breeding birds, the clearance of any trees or scrub should be undertaken outside the main bird nesting season which runs from March to August, with clearance works possible between September and February. Where this is not possible, an ecologist would need to check the vegetation for active nests and signs of bird breeding activity.
- 8.6 The onsite trees provide suitable nesting habitats for a range of bird species. All nesting birds are protected under the Wildlife and Countryside Act 1981 (as amended). As a result, if a nesting bird is detected then the project ecologist should be contacted, and a buffer area left around the nest, until the young birds have fledged.
- 8.7 Some of the trees on site have potential bat roosts. As a result, prior to felling any of these trees an assessment will need to be carried out by a suitably qualified ecologist.

Clearance of Habitats

- 8.8 The contractors will, so far as reasonably practicable, avoid undertaking clearance of habitats during the relevant species' nesting, hibernation or rearing seasons, as appropriate. Any ecological clearance works will need to be supervised by a suitably qualified ecologist.

9. Pollution Incident Control

Objective

- 9.1 As part of the development of the CEMP, the contractors shall provide pollution incident control measures, in conjunction with Principal Contractor and its consultants and relevant authorities, to provide a rapid response to any uncontrolled releases or pollution incidents arising from the works.
- 9.2 The pollution incident control measures will set out systems to ensure that pollution effects upon people, land, air and water are contained and minimised and clean-up procedures are developed to respond effectively once an incident is discovered. The pollution incident control measures will also contain guidance on the storage and containment of hazardous substances.

Pollution Incident Control Plan and Emergency Contacts Procedures

- 9.3 The contractors shall prepare, maintain and provide an Emergency Contacts List and Procedures for the site, in consultation with the Principal Contractor and its consultants, the LPA, Fire Brigade, Police, Ambulance Service, relevant Statutory Authorities and affected neighbours. These Procedures shall be followed in any site emergency.
- 9.4 The procedures will contain emergency contact phone numbers and the methods for notifying the LPA and the Emergency Services for action by the contractors and the site staff. The procedures shall be agreed with the LPA, relevant statutory authorities and Emergency Services.
- 9.5 These controls will include:
 -  Fuel, oils and chemicals stored in bunded containers with at least 110% capacity (as primary containment).
 -  Drip trays used under single container, plant or generators, must have, as a secondary containment, 110% capacity,
 -  Drip trays, or other secondary containment, for multiple containers must have capacity for which ever is greatest, either 25% of the combined capacity of all the containers, or 110% capacity of the largest container.
 -  Bund should
 -  Spill response kits on site; and
 -  Staff trained in use of spill response kit.



Phlorum Limited

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