

Construction Environmental Management Plan

**Demolition & New build works related
to a Lidl Retail store at
Castle Retail Park**

Neath

SA11 1AS

Prepared 7 March 2025

Contents

Project Quality Assurance Information Sheet	4
1. INTRODUCTION.....	5
1.1 Appointment.....	5
1.2 Proposed Development	5
1.3 Objective and Scope of Work	6
1.4 Limitations.....	6
2. SITE DETAILS & CONTACTS	7
2.1 Site Location.....	7
2.2 Roles and Responsibilities	8
3.0 CONSTRUCTION SITE ACTIVITIES	10
3.1.1 Construction Times	10
3.1.2 Storage & Management of Plant & Materials.....	10
3.1.3 Parking & Vehicle Turning	11
3.1.4 Site Access & Egress	12
3.1.5 Temporary Traffic Management & Signage.....	12
3.1.6 Wheel Washing	13
3.1.7 Construction Waste Controls (Reduce, Re-use & Recycle).....	14
3.1.8 Maintenance of security hoarding.....	14
3.1.9 Loading & Unloading Vehicles	15
3.1.10 Measures for Controlling Dust Emissions	16
3.1.11 Noise Controls.....	21
3.1.12 Vibration Controls.....	23
3.1.13 External Security Lighting	26
4.0 TRAINING & COMMUNICATIONS	30
5.0 ENVIRONMENTAL AND HEALTH AND SAFETY MANAGEMENT	32
6.0 FURTHER COMMENTS	35
7.0 OPERATIONAL CONTROL, AUDITING AND CORRECTIVE ACTION	36
Operational Control	36
Auditing and Monitoring.....	36
Corrective Action	36
8.0 HEALTH AND SAFETY	37
Appendix A - Site Location Plan.....	40
Appendix B – Environmental Complaints Log	41

Appendix C – Environmental Inspection Log.....	42
Appendix D – Community Engagement Strategy	43
Appendix E – Site Set Up Plan.....	44
Appendix F – Hoarding Plan Plan.....	45

Project Quality Assurance Information Sheet

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Reviewed by	Safetyform
Prepared on behalf of	Lidl GB Ltd
Author	Safetyform
Contact	Jim Lennox Safetyform Ltd T: 02922 677182 jim@safetyform.co.uk

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1. INTRODUCTION

1.1 Appointment

1.1. Safetyform have prepared this Construction Environmental Management Plan for the construction activities in relation to the demolition works and the new build Lidl retail Store at Castle Retail Park, Neath.

1.1 Proposed Development

1.2.1 This plan aims to set out the control measures to be introduced during the construction phase to safely manage the project and to ensure compliance with the requirements of the Planning Conditions (Conditions 4 & 5) as set out by the Local Authority, which reads:

No development shall take place until a Construction Management Plan has been submitted to and approved in writing by the Local Planning Authority. The Construction Management Plan shall include (where applicable), but not be limited to, details of:

- Routing of demolition/construction and delivery vehicles to and from site;
- Parking and turning areas for demolition/construction and delivery vehicles and for site personnel;
- Timing of deliveries;
- Site personnel facilities;
- Provision of temporary traffic management and signage;
- Construction access (including provision for cyclists and pedestrians to safely Access the site for the duration of the construction programme)
- Details of temporary site boundary treatments, lighting and security
- Location of material storage areas and contractors parking
- Details for the control of plant vehicles
- Timing of deliveries
- Details re drainage and associated controls
- Scheme for the management and suppression of noise and dust from demolition and construction activities
- Scheme for the removal of construction waste.

1.3 Objective and Scope of Work

1.3.1 The objective and scope of the Construction Environmental Management Plan (CEMP) has been based on the information provided within the planning permission submission documentation and all available site information at the time of writing this report.

1.3.2 The Construction Environmental Management Plan will cover any demolition works, earthworks, construction phase and track out of the development and will set out mitigation measures to safeguard the living conditions of neighbouring receptors arising from the development of the site. The CEMP will be submitted to the local authority for approval prior to the commencement of the works.

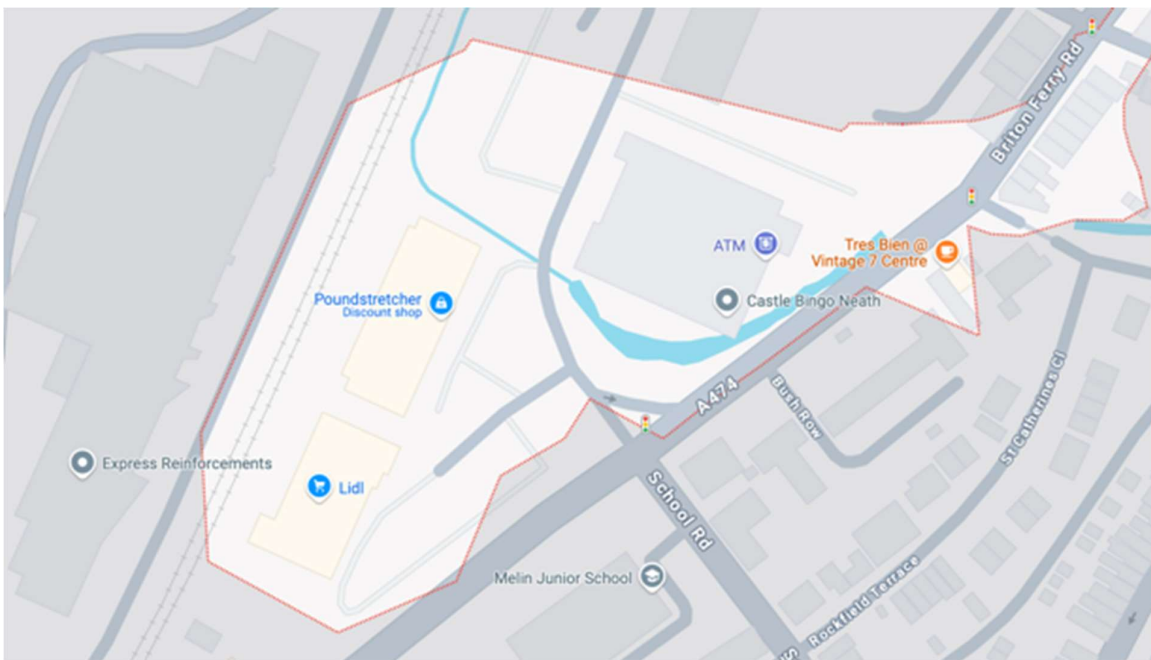
1.4 Limitations

1.4.1 The conclusions and recommendations presented in this report are the result of our professional interpretation of the information currently available. Lidl GB Ltd reserves the right to amend the conclusions and recommendations if further information becomes available.

2. SITE DETAILS & CONTACTS

2.1 Site Location

The site is located: Castle Retail Park, Neath.



2.2 Roles and Responsibilities

2.2.1 This section describes the Construction Environmental roles and responsibilities of key members of the project team and provides contact details for the relevant personnel. The Client (Lidl GB Ltd) shall appoint a suitable and competent Principal Contractor who in turn will assign individuals to each of the roles and responsibilities outlined below:

Senior Construction Consultant

- Take responsibility for the overall Construction and Environmental Management process and champion all areas of Environmental Management.
- Ensure that appropriate resources are in place to effectively implement the CEMP and deliver all legal requirements and the requirements outlined in the planning conditions.

Site Manager

- Ensure that appropriate resources are in place to effectively implement the CEMP and ensure that all legal requirements and planning conditions are identified and met.
- Develop and review the CEMP throughout the construction process to ensure it remains relevant and effective in identifying and managing risks.
- Monitor construction activities and performance to ensure compliance with the CEMP and that hazards are identified and appropriate control measures are being effective.
- Ensure delivery of training to personnel within the project team.
- Act as a main point of contact between the regulatory authorities and the project on any issues that arise.
- Manage investigation and resolution of complaints in accordance with the Complaints Handling Protocol.
- Ensure correct procedures are followed in case of an accident or incident.
- Encourage site personnel to report near misses, and ensure effective measures are taken to prevent a re-occurrence.
- Ensure method statement, risk assessments and COSHH assessments are available prior to works commencing and adequate control measures are identified.
- Ensure the site is left in a safe condition at the end of the working day.
- Establish and maintain ongoing dialogue with local residents and adjacent commercial outlets.

Client H&S Advisors

- Conduct periodic health, safety and environmental inspections incorporating compliance with planning conditions, recording findings of the inspections and taking appropriate action where necessary.
- Ensure periodic toolbox talks are carried out and include but not limited to the control of noise, dust, housekeeping, traffic management and maintaining of the public highway.
- Check ongoing programmes for the use and maintenance of plant and equipment to ensure they are compliant
- Check the site hoarding and gates to ensure they remain in good condition and fit for purpose.
- Implement and maintain effective health, safety and environmental controls on site including an auditable record filing system
- Review any meetings or interfaces with local residents or others.
- Provide general advice as and when necessary.

Site Staff & Sub Contractors

- Comply with direction given in the Site Induction and proactively approach health, safety and environmental issues whilst on site.
- Be fully aware of the site rules and procedures for mitigating risks to neighbouring residents and if they have any questions they should be directed towards the site manager
- Provide suitably qualified persons to supervise their workers.

3.0 CONSTRUCTION SITE ACTIVITIES

3.1.1 Construction Times

Construction work will only be undertaken during the following time periods:

Monday to Friday – 08:00 to 18:00

Saturday – 09:00 to 13:00

Sunday & Bank Holidays – No works during these periods

Vehicle deliveries :

There shall be no deliveries (or vehicles leaving the site) in excess of 3.5 tonnes between 8am – 0930am and 2.30pm - 4pm during school term times.

NB. Melin Junior School is directly opposite the site.

3.1.2 Storage & Management of Plant & Materials

The storage and management of plant & materials on site during the construction phase will be strictly controlled by Lidl GB Ltd. All plant will be subject to tests and through examination in line with current legislation. A site maintenance log will be implemented and managed by both the user and the Principal Contractor.

Plant

Construction plant will be brought to site only when required by the construction activities for which it will be used. On arrival all plant will be unloaded safely within the site compound by the trained operatives. During use, plant will only be operated by trained and competent persons and stored within the site compound when not in use. This is to deter unauthorised use by operatives or trespassers entering the site when the site is closed.

Plant visiting the site will be controlled through a robust delivery programme, controlled by the site manager at all times and aligned to the working times as stated in above.

All deliveries to site will be met and controlled by a trained banksman, who will direct the delivery vehicles into the unloading bay within the site compound where the loads will be safely unloaded with minimal risks to others.

On leaving the site, vehicles will not be permitted to reverse out of site unless absolutely necessary. At any stage, vehicles leaving the site will be guided by a trained banksman at all times to ensure the safety of members of the public and pedestrians crossing the site, as well as other road users.

Materials

Materials brought to site will as and when required by the task to be carried out, so as to avoid overloading the site with unnecessary material storage throughout the construction phase and reducing the space on site for other specific use.

Materials will be stored within the site compound upon arrival unless they are required to be set down elsewhere on site for ease at the point of use.

A plan showing the storage of plant & materials will be provided.

3.1.3 Parking & Vehicle Turning

Parking of contractor vehicles will be established within the confines of the site to reduce congestion on external roads

Parking on the site will be restricted to contractor and visitor use only. Contractors will be encouraged to vehicle share where possible to reduce the number of vehicles attending the site and to reduce the environmental impact on local residents.

An area inside the site will be set aside for the parking of contractor vehicles during the construction phase.

This area will be segregated from pedestrians inside the site by use of pedestrian barriers and safety signage and will also be hard stoned or where possible tarmacked to reduce the risk of exporting soil on to nearby roads.

The turning of all vehicles will take place within the confines of the site under the supervision of a qualified banksman. Vehicles will reverse park.

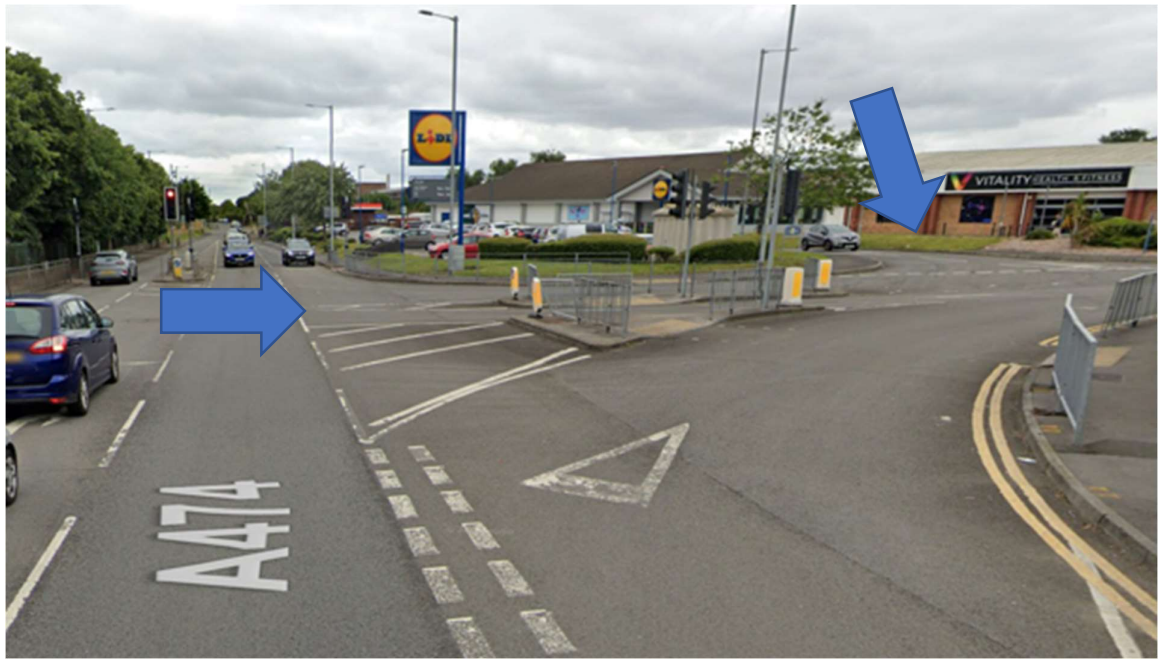
To avoid reversing, a designated turning circle or turning point will be established and defined with barriers and traffic management signage erected.

Communication of the traffic management will be discussed with all personnel during the induction stage. A traffic management plan will also be displayed within the confines for the site.

Details relating to site deliveries and offloading etc will be passed to suppliers by the Principal Contractor so drivers are made aware of the traffic management regime on site. Under no circumstances whatsoever will suppliers be permitted to park outside the site boundary where they create traffic problems for others or dangers to pedestrians.

3.1.4 Site Access & Egress

The site can be accessed off the A474 which is a busy road network through this part of the town. The road itself is restricted with double yellow lines; site entrance is suitable for all construction vehicles.



- The arrow indicates site access/egress for all site traffic to/from the retail park.

3.1.5 Temporary Traffic Management & Signage

During the project there will be times when temporary traffic management measures will be required to be implemented to reduce the risks associated with the newly constructed road entrance point on to the site.

To complete these works Lidl will appoint a suitably competent contractor who is experienced in carrying out this type of work and in line with the requirements / programmes / design.

Throughout the duration of the works, the appointed contractor will display suitable safety signage to:

- Reduce traffic speed to protect the safety of operatives.
- To alert road users to site speed limit.
- Warn road users of street works ahead.
- Warn road users of traffic control measures.

3.1.6 Wheel Washing

A wheel cleaning procedure will be established in order to mitigate the amount of mud that could potentially be deposited on the highways by vehicles exiting the construction site.

An area close to the site exit will be utilised for wheel washing prior to vehicles leaving site.

A power washer will be used to wash off any mud from the vehicle's wheels, with excess mud / slurry being collected and disposed of.

It is anticipated that this will only be required during the initial weeks of the development following demolition operations and when the existing ground is excavated, however, the wheel wash station will remain on site until the development is complete.

The proposed wheel cleaning procedure will consist of:

- Before leaving the site, vehicles will be inspected for any heavy deposits left on wheels. If present, these will be removed manually.
- Following inspection, all wheels are to be washed down using a high-pressure jet wash until clear of all deposits.
- Vehicles will be permitted to leave site following approval of the site manager/site representative that the above steps have been completed to a satisfactory standard.
- On site roads will be kept as free of mud as is practicable during ground working operations. Machine and wagon trafficking around the site will be kept to a minimum in order to reduce the effects of rain on 'broken' ground.

If this is not sufficient, a road sweeper will also be used in the immediate area which will be ordered directly via the site manager.

3.1.7 Construction Waste Controls (Reduce, Re-use & Recycle)

Lidl GB Ltd will take all measures to ensure that the control of waste, produced as part of the construction activities undertaken on site, complies with the requirement of the Environmental Act and all other such regulatory requirements.

In complying with our duties Lidl GB Ltd will:

- Assess the risks associated with the tasks and establish a suitable waste management plan which aims to reduce waste at source, re-use the waste produced or recycle the waste effectively where possible.
- Segregate wastes on site as they are produced to avoid cross contamination of wastes by use of segregated skips for woods, metals, plasterboards & plastics.
- Identify suitable landfill sites where waste which cannot be re-used or recycled, can be disposed of accordingly.
- Employ only licenced waste carriers to deal with any waste removed from site and obtain & store (for 2 years), relevant waste consignment notes as required.

3.1.8 Maintenance of security hoarding

In compliance with Regulation 18 of the Construction (Design and Management) Regulations (CDM) 2015, Lidl GB will erect a solid hoarding to the full perimeter of the site to ensure the site remains secure from unauthorised access by unauthorised persons during the construction phase, sample pictured below.



The hoarding ensures and allows for:

- A means of securing the site and also segregates the work activity from neighbouring residents and buildings, as well as reducing noise levels omitted from site activities.
- Pedestrian and vehicle access gates onto site will be locked at all times to prevent unauthorised access.
- A gate person will be appointed to ensure no unauthorized persons enter site.
- Health and Safety signage will be displayed on the site hoarding asking all visitors and delivery drivers to report to the site office.
- Contact details for the site manager will be displayed on the site hoarding for use by local residents or commercial premises in the event of enquiries or complaints are to be made.
- The condition of the hoarding and gates will be checked on a daily basis to ensure they remain in good condition
- CCTV will be installed as the site activities progress.
- Security arrangements will be monitored daily and appropriate action taken where necessary should any issues of trespass arise.

3.1.9 Loading & Unloading Vehicles

In compliance with Regulations 27 & 28 of the CDM Regulations 2015, the appointed Principal Contractor will provide a suitable traffic management plan prior to commencing on site which details:

- All deliveries to site are planned in advance with the site manager so measures for acceptance of the goods can be administered.
- A suitably trained banks man is employed at the site entrance to allow for safe access onto site.
- Designated loading & unloading areas inside the confines of the site are established to allow safe loading and unloading of vehicles.
- Designated storage areas are established with the site to allow safe storage of goods and materials.
- Vehicles are escorted from the site by a suitably trained banks man to ensure a safe exit from the site away from pedestrian and other vehicles using the highway.

3.1.10 Measures for Controlling Dust Emissions

When considering the measures required to reduce and control dust emissions throughout the project the following guidance documents were referenced:

Institute of Air Quality Management - Guidance on the assessment of dust from demolition and construction 2014 (version 1.1).

Institute of Air Quality Management – Guidance on Monitoring in the vicinity of Demolition and Construction Sites 2018 (version 1.1).

The control of dust and emissions during construction and demolition. Supplementary Planning Guidance. Greater London Authority. July 2014.

When assessing the risks associated with the likelihood of dust emissions and their effects on others for this project, guidance was taken from the Institute of Air Quality Management - Guidance on the assessment of dust from demolition and construction 2014 (version 1.1) steps 1 through to 5.

Assessment Step 1 - Screen the Requirement for a More Detailed Assessment

The site boundary is within 350 m of human receptors. In addition, there are human receptors within 50 m of the route(s) used by construction vehicles on the public highway, up to 500 m from the site entrance. Therefore, a detailed assessment of the construction phase of the development was undertaken. The detailed assessment has not addressed ecological receptors.

Summary: A detailed assessment for the remainder of the project was therefore required to determine potential dust impacts of the project.

Assessment Step 2 – Assess the Risk of Dust Effects

The potential dust emission magnitude in relation to the development has been determined using the criteria detailed in the IAQM guidance:

- **Demolition:** The dust emission magnitude for demolition operations is considered to be **High**.
- **Earthworks:** The dust emission magnitude for earthworks is considered to be **Medium**.
- **Construction:** The total building volume to be constructed is therefore, considered to be **Low**.

- **Trackout:** It is conservatively assumed that there are likely to be 10 - 50 HDV outward movements in any one day. The unpaved road length is likely to be 50 - 100 metres. The dust emission magnitude for trackout is, therefore, considered to be **Medium**.

Site Specific Mitigation Measures

Lidl GB Ltd will ensure they implement the best practical means to reduce the impact of dusts on nearby receptors throughout all phase of the project.

To enable Lidl GB Ltd to comply they will:

Site Management

- Develop a suitable communications plan between the site management and local residents that encourages two-way communications relating to the project (i.e. make public the programme of works and encourage community feedback).
- Display the contact details of the person accountable for air quality on the project for ease of communicating concerns or complaints. This will usually be the site manager but may change at specific points in the project.
- Develop, implement and maintain a suitable dust management plan which contributes to dust reductions on and off site.
- Develop a complaints log which records all complaints relating to concerns or issues regarding the project and make this available to the local authority when requested.
- Record all exceptional incidents on or off site that may cause poor dust or air emissions and take suitable steps to ensure a suitable resolution to the problem is implemented. Records of the steps taken will also be recorded.
- Display "site entrance ahead" signs on local roads, warning road users they are nearing the entrance to the construction site.
- Have signage available on site (such as slippery road ahead) in readiness for immediate display in the event the nearby roads become contaminated with displaced mud from the construction site. This gives early warning to road users of the risks to allow Lidl GB Ltd time to clean the affected areas.

Monitoring Arrangements

Lidl GB Ltd will take all reasonable steps to monitor the effects of the management arrangements and controls implemented to reduce dust and air pollution by:

- Provide means for preventing or containing dust from the works i.e. water spraying.
- Undertaking daily checks both on and off site and in receptor locations within 100 meters of the site to monitor dust levels. This will include regular dust soiling checks of surfaces such as street furniture, cars and windowsills etc.
- Provide for the cleaning of such items contaminated by dust emissions if deemed necessary.
- Monitor our own compliance with our own dust management plan and update where required.
- Increase daily checks as per item 1 above when undertaking site specific tasks that have the potential to release higher volumes of dusts.
- Record all sites inspections, contaminations and cleaning requirements and make records available to local authority when requested.

Preparation and maintenance of the site

Lidl GB Ltd will take all reasonable steps to ensure site activities that have the potential to create large volumes of dust pollution are:

- Carried out as far away from receptors as possible.
- Enclosed in suitable hoardings or barriers that restrict the spread of dusts.
- Kept to a minimum.
- Stockpiles that have the potential for dust release are to be removed from site immediately or if to be reused, are covered.
- Hoardings and fencing to the site are kept clean and free from dusts.
- Avoid site run off of mud and water at all times.

The Operation of Vehicles/machinery and encouraging Sustainable Travel

Lidl GB Ltd will take all reasonable steps to monitor the effects of the management arrangements and controls implemented to reduce dust and air pollution by implementing and encouraging the following:

- Ensure all vehicles and machinery switch off their engines when not in use on site to reduce air and noise pollution.
- Avoid the use of diesel- or petrol-powered generators and use mains fed electricity and battery powered equipment instead.
- Impose speed restrictions on site where unsurfaced roads are present to 10mph to reduce dust flare up when traversing of vehicles.
- Liaise with delivery organisation to seek combined deliveries of multiple products for multiple contractors to reduce delivery traffic to site.
- Encourage a car share scheme, walking, cycling or the use of local transport to the site for operatives and visitors.

Waste Management & Drainage

- Where possible waste will be segregated on site by way of segregated waste skips for woods, metals, plasterboards and plastics.
- In some cases, some types of waste may be mixed when placed in skips and segregated off site by the licenced waste carrier. This will reduce unnecessary visits to site for depositing and collecting waste skips.
- No burning of waste will be permitted on site at any time.
- Waste skips will be closed or covered to reduce wind whipping of waste.

NB. As part of the site method statement/risk assessment, specific attention will be given to the protection of drainage systems attached to the development. This to avoid land or water courses downstream from the site being contaminated by effluent or chemicals from the works. Drainage will be checked prior to start and monitored on an ongoing basis.

Incidents will be investigated by the Principal Contractor.

It is therefore imperative that the site construction phase plan contains specific details on the control of diesel, petrol and other fluids commonly in use on a site of this nature.

Control measures during site specific operations on site

- 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.
- Ensure an adequate water supply on the site for effective dust/particulate matter suppression/mitigation.
- Use enclosed chutes, conveyors and covered skips.
- Minimise drop heights from conveyors, loading shovels, hoppers and other loading or handling equipment and use fine water sprays on such equipment wherever appropriate; and
- 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.

Control measures during construction activities on site

- Avoid scabbling (roughening of concrete surfaces) if possible.
- 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.
- Ensure bulk cement and other fine powder materials are delivered in secure packages and stored in facilities with suitable emission control systems to prevent escape of material during delivery; and
- For smaller supplies of fine power materials ensure bags are sealed after use and stored appropriately to prevent dust.

Control measures during trackout

- Use water-assisted road sweeper(s) on the access and local roads, to remove, as necessary, any materials tracked out of the site. This will be deployed as and when required which may be continuously during some periods of the project.
- Avoid dry sweeping of large areas.

- Ensure vehicles entering and leaving sites are covered to prevent escape of materials during transport.
- Inspect on-site haul routes for integrity and instigate necessary repairs to the surface as soon as reasonably practicable.
- Record all inspections of haul routes and any subsequent action in a site logbook.
- Install hard surfaced haul routes as soon as is practicable, which will be regularly damped down with mobile water bowzers and regularly cleaned.
- Ensure there is an adequate area of hard surfaced road between the wheel wash facility and the site exit; and
- A site-specific traffic management plan will be drawn up and communicated to all site personal and visitors to site during the site induction.
- The traffic management plan will be amended to reflect any changes as a result of the work activities, any changes will be communicated to site operatives via toolbox talk.
- A copy of the traffic management plan will be displayed on the site hoarding on entry to the site.
- Have signage available on site (such as slippery road ahead) in readiness for immediate display in the event the nearby roads become contaminated with displaced mud from the construction site. This gives early warning to road users of the risks to allow Lidl GB Ltd time to clean the affected areas.
- Have signage displayed on the approach road to warn drivers of site entrance approaching, proceed with caution.

3.1.11 Noise Controls

Lidl GB Ltd will use the best practical means to minimise noise levels at all times throughout the duration of the project, giving special consideration to BS 5228 as amended in 2014.

When assessing the actions in relation to noise reduction controls and monitoring, guidance was taken from BS 5228-1:2009+A1:2014, Section 4 - Community relations, Section 8 - Control of noise, Annex B - noise sources, remedies and their effectiveness, Annex E - significance of noise effects and Annex G - Noise monitoring.

Good stakeholder relations are often the most effective way to manage potential noise impacts on site. Therefore, Lidl will keep local residents and other receptors informed of the progress of the works, including when and where the noisiest activities will be taking place and how long they are expected to last. All noise complaints will be effectively recorded, investigated and addressed.

- Lidl will set-up and maintain good community relations with neighbouring residential and commercial occupants in order to ensure that the work carried out on site, does not in any way affect them.

- Lidl will establish dialogue between all parties which allows freedom of information from Lidl to the local community and identifies the types of works that will be undertaken on site and the controls which will be implemented to reduce the impact of such work practices on the local community.
- A complaints procedure will be established and issued to local residents and commercial occupiers, detailing the process to follow in the event of excessive noise exposure and the actions that will be taken by Lidl to resolve each complaint.
- Regular updates will be issued to local residential and commercial occupiers on the upcoming programme which will identify any areas which may produce higher noise levels and the control measures Lidl will implement to control them.
- Lidl will set limitations on noise levels from the start of the project in accordance with legislative requirements and section 1 of BS 5228: Part 1:2009+A1:2014.
- On site noise levels shall be monitored regularly, particularly when changes in process' are required or in response to complaints. The monitoring shall be carried out in accordance with the guidance set out in Annex E of BS5228: Part1:2009. Noise readings taken will be recorded.
- Any compressors or pneumatic tools brought onsite should be silenced with mufflers or sound reduced models fitted with acoustic enclosures.
- Deliveries shall be programmed as stated above. This will appear on the site purchase order.
- Care will be taken when unloading vehicles to minimise noise and delivery vehicles will be prohibited from waiting within the site with their engines running.
- All machinery shall be adequately maintained and operated according to manufacturer's instruction in such a manner as to avoid causing excessive noise.
- All plant and equipment will be checked prior to use to ensure the equipment is in good working order, operators of equipment will be advised not to use the equipment until it has been repaired or replaced and that all defects should be immediately reported to site management.
- Equipment and plant of low noise omission levels will be selected where possible above those omitting higher noise levels.
- All machinery shall be sited so that the noise impact at nearby noise sensitive properties is minimised. Dampeners will be used to suppress noise at source.
- Sound reducing barriers shall be erected as necessary to shield specific noisy activities.
- Plant and equipment will be switched off when not in use.
- Regular Noise toolbox talks will be carried out throughout the duration of the contract.
- Radios will not be permitted on site and a code of conduct will be communicated to all site personnel covering the use of loud or offensive language.

3.1.12 Vibration Controls

Lidl Gb Ltd will use the best practical means to minimise vibrations levels at all times throughout the duration of the project.

When assessing the actions in relation to vibration reductions and controls and monitoring, guidance was taken from BS 5228-1:2009+A1:2014: Part 2: Vibration. Consideration has also been given to the British Standard 6472, which details the effects of vibration on humans in buildings and sets limits on vibration levels to ensure they do not become a nuisance or effect on people's health.

Given the distance to the nearest sensitive receptors, vibration during the operational phase is not expected to result in significant impacts.

BS 5228-2:2009+A1:2014: "Code of practice for noise and vibration control on construction and open sites – Part 2", gives guidance on vibration levels that could be used to assess the likely impacts of construction activities, including piling, on the environment and people. The main vibration impacts could arise from piling activities or heavy construction vehicle movements near sensitive receivers (typically within 20m).

Vibration Level Effect	Effect
0.14 mm/s	Vibration might be just perceptible in the most sensitive situations for most vibration frequencies associated with construction. At lower frequencies, people are less sensitive to vibration
0.3 mm/s	Vibration might be just perceptible in residential environments
1.0 mm/s	It is likely that vibration of this level in residential environments will cause complaint, but can be tolerated if prior warning and explanation is given to residents
10 mm/s	Vibration is likely to be intolerable for any more than a brief exposure at this level

Table 3-6 Transient vibration guide values for structural damage

Type of Building	Peak component particle velocity in frequency range of predominant pulse	
	4 Hz to 15 Hz	15 Hz and above
Reinforced or framed structures, industrial or heavy commercial buildings	50 mm/s at 4 Hz and above 50 mm/s at 4 Hz	50 mm/s at 4 Hz and above 50 mm/s at 4 Hz
Unreinforced or light framed structures, residential or light commercial buildings	15 mm/s at 4 Hz increasing to 20 mm/s at 15 Hz	20 mm/s at 15 Hz increasing to 50 mm/s at 40 Hz and above
Note 1: Values referred to are at the base of the building. Note 2: For line 2, at frequencies below 4 Hz, a maximum displacement of 0.6mm (zero to peak) is not to be exceeded.		

Selection of plant & machinery will be key to reducing vibration effects on site and will be carefully considered during the procurement stage of the project.

Site Specific Mitigation Measures for Vibration

- Develop a suitable communications plan between the site management and local residents that encourages two-way communications relating to the project (i.e. make public the programme of works and encourage community feedback).
- Display the contact details of the person accountable for the project for ease of communicating concerns or complaints. This will usually be the site manager but may change at specific points in the project.
- Develop, implement and maintain a suitable management plan which contributes to reductions on and off site.
- Develop a complaints log which records all complaints relating to concerns or issues regarding the project and make this available to the local authority when requested.
- Record all exceptional incidents on or off site that may cause vibration and take suitable steps to ensure a suitable resolution to the problem is implemented. Records of the steps taken will also be recorded.

Vibration Monitoring Arrangements

Lidl GB Ltd will take all reasonable steps to monitor the effects of the management arrangements and controls implemented to reduce vibration effects by:

- Undertaking daily checks both on and off site and in receptor locations within 100 meters of the site to monitor vibration levels.
- Provide sensitive receptors with programme of works, particularly for high vibration tasks on site.
- Monitor our own compliance with our own management plan and update where required.
- Increase daily checks as per item 1 above when undertaking site specific tasks that have the potential to release higher vibration readings.
- Record all sites inspections, complaints and make records available to local authority when requested.

Preparation of site prior to commencement

Lidl GB Ltd will take all reasonable steps to ensure site activities that have the potential to create high levels of vibration are:

- Carried out as far away from receptors as possible.
- Enclosed in suitable hoardings or barriers that restrict the spread of vibrations.
- Risk assess the activity to ensure the least vibration equipment is used.

3.1.13 External Security Lighting

There is the potential for poorly aimed or controlled lighting to intrude or irritate local residents, particularly during darker months. Below is a list of mitigations that can be used to control, remove and mitigate light pollution:

- Artificial Site lighting for the construction works will be sensitivity positioned and directed, taking into account the neighbouring residential buildings.
- Project working hours shall be limited to 0800 to 1800 Monday to Friday and 9.00 to 13.00 on Saturday. This will prevent the more severe element of intrusion, i.e. sleep deprivation, being realized.
- Lights will be switched off when they are not needed. This will include periods outside of normal site working hours.
- Daily checks should be done to ensure no lights left on overnight.
- Any security lighting will be kept to a minimum at all times and powered by mains supply.

4.0 TRAINING & COMMUNICATIONS

- All site personnel with health, safety and environmental responsibilities shall be suitably trained and qualified. If additional specific training requirements are needed, it is the responsibility of the site management to ensure these needs are met at the earliest possible opportunity.
- A project specific training plan shall be produced to ensure personnel allocated with environmental responsibilities are competent to carry out their duties.
- As a minimum, all staff and site personnel will receive a health, safety and environmental briefing as part of their site induction. The induction given to site personnel shall include a general overview of site-specific environmental issues and issues that may affect neighbouring residents, as well as details of how these issues shall be managed.
- Supervisors will support information provided at induction through completing briefings and 'toolbox talks' prior to specific activities commencing.
- Communication during the construction phase will be vital to co-ordinate activities on site, to inform the general public of the scale of works and to liaise with statutory bodies.
- On-site communication will be conducted through two main practices: formal health, safety and environmental meetings and informal communication. The format will be fortnightly meetings chaired by the site manager and attended by all relevant personnel.
- The purpose of these meetings will be to continuously review the CEMP and to co-ordinate any short-term activities which pose environmental risks and risk to neighbouring residents. Minutes will be taken at each meeting and recurring issues will be brought up at each meeting.
- Informal communication will occur daily and will inform all staff of recent issues and any environmental risks associated with ongoing construction works.
- Public communication will serve to inform local residents and businesses of new or future operations which may have an effect on the public and their surroundings.
- Proposals to mitigate any disruptive construction should be communicated effectively to the public in order to maintain good relations. It will be the responsibility of the site manager to communicate with the public through letter drops and community liaison meetings. Contact details of personnel carrying out the development will also be provided to the public should any issues arise.
- Communication with statutory bodies will be required in order to achieve consent and/or licenses to carry out works. It will be the responsibility of site manager to ensure that any licenses are in place prior to work commencing.

For complaints regarding any issues documented in this plan, the person responsible for recording, investigating and resolving such issues will be:

The client: George Ledward

Tel: 07971 440799

Email: george.ledward@lidl.co.uk

Supporting the client will be Safetyform:

H&S Consultant: Jim Lennox

Mob: 07834 045463

Email: jim@safetyform.co.uk

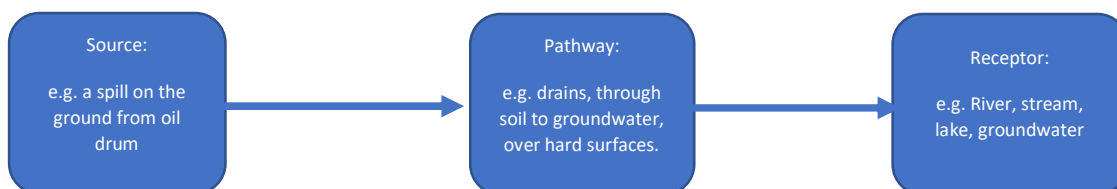
Details of the above contacts will be clearly displayed on the site hoarding.

5.0 ENVIRONMENTAL AND HEALTH AND SAFETY MANAGEMENT

- Although the pollution prevention guidance (PPGs) that was previously maintained by the Environment Agency has now been withdrawn, and neither the Environment Agency nor Natural Resources Wales provide 'good practice' guidance, Lidl GB Ltd takes the approach that the pollution prevention guidance (PPG series) contained a mix of regulatory requirements and good practice advice which continues to be valid resource. As such all work will comply with PPG1 Environment Agency Guidelines the principles of which are mirrored by Natural Resources Wales on their website <https://naturalresources.wales/>.

Environmental Considerations and Potential Impacts.

- There are several potential environmental issues associated with the site construction (site preparation & construction works) and the operational phase of the new development.
- The National Planning Policy Framework (NPPF) (<https://gov.wales/planning-policy-wales>) requires a duty to 'ensure that any unavoidable noise, dust and particle emissions and any blasting vibrations are controlled, mitigated or removed at source.
- The following issues have been identified through the assessment of the planning permission and Lidl GB Ltd experience. They are cognoscente of the NPPF and are listed in the following table along with receptors sensitive to the issues and health, safety and environmental considerations and impacts.
- When assessing the risks associated with this project, Lidl have used the following risk model as set out in the EA guidance document PPG5 – *Works & Maintenance in or near water*.



- In the unlikely event of accidental pollution, Lidl GB Ltd will either contact Natural Resources Wales via their hotline 0300 065 3000 which is available 24 hours a day to report it or via the NRW website <https://naturalresources.wales/about-us/contact-us/report-an-environmental-incident/?lang=en>

- To enable NRW to deal with any report as quickly as possible, the following details will be provided at point of reporting:
 - Where is/was the incident taking place? Providing a grid reference if possible, for example, NT 252 735. Otherwise, provide accurate directions / descriptions of the location or use applications such as What3Words.
 - What is/was happening?
 - Who is/was responsible for the incident?
 - When did the incident take place?

Table 2: Summary of Effects of the Construction Activities upon the local environment.

Hazard	Risk	Controls
Oil Spill from plant & machinery	Contamination of water course to the side of site by way of running over hard surfaces or through drains as a pathway.	• Maintain plant & machinery in good working order by way of regular maintenance checks. • Provide spill kits for cleaning up in event of spillage. • Remove hard standing areas early in the project. • Cover all drains on site to reduce risk of contamination. • Store oils in bunded area.
Dust Emissions	Wind-blown dust from site clearance/earthworks Dust derived from compressed mud deposited on the public highway by construction vehicles Dust derived from the movement of vehicles on site Dust emissions as a result of use of abrasive wheels and woodworking equipment	• Reduce dust at source by damping down (not soaking so as to form run-off into drains). • Maintain clean and tidy site. • Wash wheels in designated wheel wash area before vehicles leave site. • Use dust bags to capture dust at source from cutting tools. • Reduce vehicle movement on site to minimum. • Remove waste from site on a regular basis.
Run-off from exposed ground/stockpiles	Risk of silt pollution which may harm the quality of the water and damage or kill aquatic life.	• Minimising the amount of time stripped ground and soil stockpiles are exposed. • Only removing vegetation from the area that needs to be exposed in the near future • Seed or covering stockpiles • Use geotextile silt fencing at the toe of the slope, to reduce the movement of silt; this should be installed before soil stripping has begun and vehicles start tracking over the site. • Use “cut-off” trenches where possible to prevent water run-off.

		• Buy sand, hardcore and other items with the potential for run-off, in bags instead of loose. • Prevent stockpile run-off from entering any drains, watercourses and ditches. • Store stockpiles on level ground only.
Deposition of Mud or Debris on the Highway	Risk of silt pollution which may harm the quality of the water and damage or kill aquatic life.	• Minimise build-up of mud on site. • Ensure wheels of site vehicles are cleaned before leaving site. • Undertake regular cleaning of nearby roads. • Conduct regular inspections to ensure adherence to requirements. • Have signs available on site (such as “slippery road ahead”) which can be erected on the first signs of mud being displaced on the roads to warn other road users of the risks.
Air pollution by exhaust fumes of construction traffic	Risk of contamination of local air by pollutants from use of site plant & machinery causing possible ill health to local people & wildlife.	• Ensure all plant & machinery exhausts are fitted with a catalytic converter. • Turn off plant & machinery when not in use. • Do not use plant & machinery unless strained and competent. • Use electric plant & machinery as a substitute for petrol driven. • Ensure regular maintenance of plant & machinery is undertaken. • Reduce construction traffic visiting site by promoting car sharing initiatives.

		• Liaise with others to collaborate deliveries in large loads as opposed to many smaller loads.
Watercourse, plantations & wildlife contamination	Risk of watercourse, plantations and wildlife contamination from substances used on site (e.g. cements, concretes, grouts etc)	• Pre-mix cements and concrete off site and only use correct amount. • Do not clean down areas where cements/concretes/grouts are used where the water can run-off into local water course. • Clean equipment using sponges and cloths instead of hoses. • Cover all drains which may act as a pathway. • Where possible, relocate wildlife & plantations to another area. • Use “cut-off” trenches where possible to prevent water run-off.
Conducting excavations on site	Risk of generating excessive dust, producing silt and silty water, spreading contaminated soils & finding contamination or objects, such as old fuel tanks;	• Consult site plans & surveys prior to commencement. • Use “cut-off” trenches where possible to prevent water run-off. • Consider settlement lagoon or tank for depositing soils for re-treatment. • Find out the depth of the water table so you can plan and manage water ingress. • Protect watercourses with silt traps to prevent run-off silt entering them. • Use banksmen to act as spotters during excavation works.
Nuisance noise from site activities	Noise affecting local residents and can disturb nesting birds and other wildlife.	• Establish baseline noise levels, the noise levels before start of work, and identify who and what may be affected by

		noise, i.e. neighbours and ecology. • Only use excessive noise under Section 61 consent from local council. • Undertake periodic noise readings to ensure levels remain within baseline. • Muffle noise at source where possible by adding noise dampeners to plant & machines. • Liaise with local residential properties to determine levels of nuisance caused. • The monitoring shall be carried out in accordance with the guidance set out in Annex E of BS5228: Part1:2009
Nuisance light from site activities	Risk of disturbance to adjacent residents and ecology, especially temporary lighting	• Use effective screening to block light, • Consider lighting requirements in programming of works, • Direct lighting to reduce risks • Consider type of lights used
Vibration nuisance from site activities	Risk of causing nuisance to local residents and ecology by vibration activities on site.	• Use alternative techniques to vibration plates etc. • Use anti-vibration mountings where possible. • Keep haul roads as smooth as possible and maintain them to reduce vibration impacts caused by heavy plant movements.

6.0 FURTHER COMMENTS

- As outlined in 5.1.1 above, although the pollution prevention guidance (PPGs) that was previously maintained by the Environment Agency has now been withdrawn, Lidl GB Ltd takes the approach that the pollution prevention guidance (PPG series) remains valid in terms of our practical approach along with the following other resources:
 - PPG1 General Guide to preventing pollution
 - PPG5 – Works & Maintenance in or near water.
 - PPG6 Working at demolition and construction sites.
 - BS 5228 series
 - Institute of Air Quality Management Guidance
- Every Method Statement, Risk Assessment and COSHH Assessment from all subcontractors shall be reviewed to ensure that they comply with policy and current legislation, no subcontractor will be allowed to start until a Method Statement, Risk Assessment and COSHH Assessment is agreed.
- There will be sufficient on-site parking provided for all contractors.

7.0 OPERATIONAL CONTROL, AUDITING AND CORRECTIVE ACTION

In order to avoid the possible consequences which may arise from poor environmental management, operation controls, auditing and corrective action should play a key part in the effectiveness of the Environmental Management Plan.

Operational Control

All activities on site shall be reviewed against the requirements of the CEMP via an integrated risk assessment and method statement protocol.

Regular review of the health, safety and environmental risks to neighbouring residents associated with the construction process and their respective control measures shall be carried out by all relevant construction teams by referring to on-site method statements.

Mitigation or protection measures that are agreed with statutory authorities shall be implemented prior to the undertaking of any potentially polluting activities and form a basis of 'toolbox talks'.

All Method Statements shall be approved by the site manager.

Auditing and Monitoring

The site activities will be regularly inspected by Lidl's Health and Safety representative.

Site Management will undertake daily visual checks of the activities undertaken and conduct a weekly inspection using a standard proforma.

Regular audits will be conducted by Lidl H&S consultant and Site Manager to ensure compliance with the Environmental Management Plan.

All audit and inspections reports will be reviewed by the Construction Director on a monthly basis.

Corrective Action

Where non-conformances have been identified during an inspection or audit a corrective action plan will be drawn up and actions assigned to close out the issues and to prevent re-occurrence, these will be closed out in a timely manner.

8.0 HEALTH AND SAFETY

All work activities will be carried out in accordance with current legislation such as Environment Act, Health and Safety at Work etc Act 1974, CDM Regulations, Management of Health and Safety at Work Regulations, COSHH Regulations, Lifting Operations and Lifting Equipment Regulations, Manual Handling Operations Regulations etc.

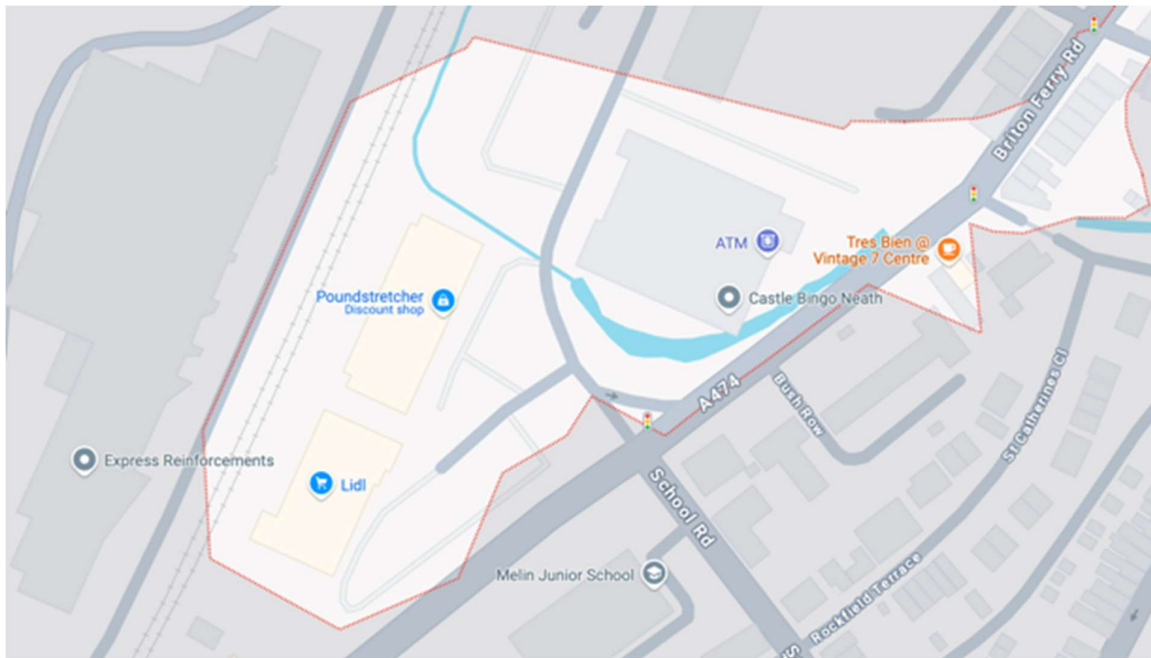
All persons working on site will have the necessary skills, knowledge and experience to perform the task undertaken. Site personnel are required to hold necessary proof of specific training such as CPCS, abrasive wheels etc.

All work activities will be carried out in accordance with a safe system of work including a permit to work system for high risk activities.

All training of site construction workers should include a health and safety briefing to outline best practice with regards to wearing personal protective equipment (PPE) and how to minimise the risk of accidents and incidents.

All personnel attending site will attend a site induction and will be informed of the site emergency procedures, how to report accidents/incidents and near misses.

Appendix A - Site Location Plan



Appendix B – Environmental Complaints Log

Lidl Environmental Complaints Log – Lidl Gorseinon

Date	Time	Name & Phone No	Complaint Type Noise/Vibration/Dust	Action Required	Action Taken	By Who	Close Out Date
		Name:					
		Address:					
		Number:					
		Name:					
		Address:					
		Number:					
		Name:					
		Address:					
		Number:					
		Name:					
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		Name:					
		Address:					
		Number:					

Complaints log to be kept in site managers office at all times in line with Lidl GDPR requirements

Appendix C – Environmental Inspection Log

[illegible]

Appendix D – Community Engagement Strategy

During the construction phase of the project the following procedure will be implemented to ensure local residents are kept updated on the progress of the project and can easily identify where and how complaints relating to the project are received and processed by Lidl GB Ltd.

Communicating Project Progress:

1. Leaflet drop to all local residents detailing key dates relating to the project (i.e. start on site, start of demolition phase, start of construction phase etc);
2. Display of building programme on external hoarding, identifying key stages of the project and estimated build times;
3. Monthly bulletins displayed on site informing of project progress and setbacks (if any);

Complaints Procedure:

Complaints relating to the construction activities which may have an impact on local residents must be made in the following way:

1. Report issue in the first instance to the site manager (contact details displayed on site hoarding);
2. Site manager will record each complaint in the EM complaints log, held on site (time, date, name, address & nature of complaint to be recorded);
3. Site manager will investigate each complaint immediately upon receipt of complaint (or within 24 hours);
4. A report will be compiled of the findings of the investigation and suitable controls identified to prevent re-occurrence of the same going forward;
5. Site manager (or Lidl GB Ltd representative) will liaise back with the complainant to discuss the findings and suitable controls;
6. Site manager will close out the complaint as being complete, only upon satisfactory agreement with complainant.

