

Integrated Management System	Standard(s):		ISO 14001:2015	ISO 45001:2018	Clause:	8.1
Document Title:	Demolition Plan / Method Statement		Green Light Rail and Construction			

Demolition Plan / Method Statement

Revision 01

Project at:

Hillcrest Garage Demolition Works

Prepared by:			
Name	Signature		Date
Callum Tranter			
Approvals:			
Position	Name	Signature	Date

I confirm that I have read, understood and agreed the contents of this Demolition Plan / Method Statement

Name	Signature	Date

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Issue Details:

No.	Issued to (Name):	Position:	Location:	Date:
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Revisions:

Rev.	Revision Details			Date:
00	- First Issue	Prepared by:		
		Approved by:		
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		Approved by:		

This Demolition Plan / Method Statement will be reviewed, added and updated as the project develops. Circumstances when the plan will be amended are as follows:

- *New information from surveys*
- *Unforeseen circumstances*
- *Variations to client requirements*

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1.0 INTRODUCTION

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This Demolition Plan / Method Statement detail the safe system of work for the demolition of 3no garages at Hillcrest, Merthyr.

2.0 SCOPE OF THE WORKS / DEMOLITION

2.1 Scope of the Works

The Demolition of 3no garages at Hillcrest, Merthyr

2.2 Programme of Works

The Demolition will commence: 28th February 2024
Demolition Period: 3 Days

2.3 Location Plan

Welfare cabins to be situated in the top right corner of the compound.



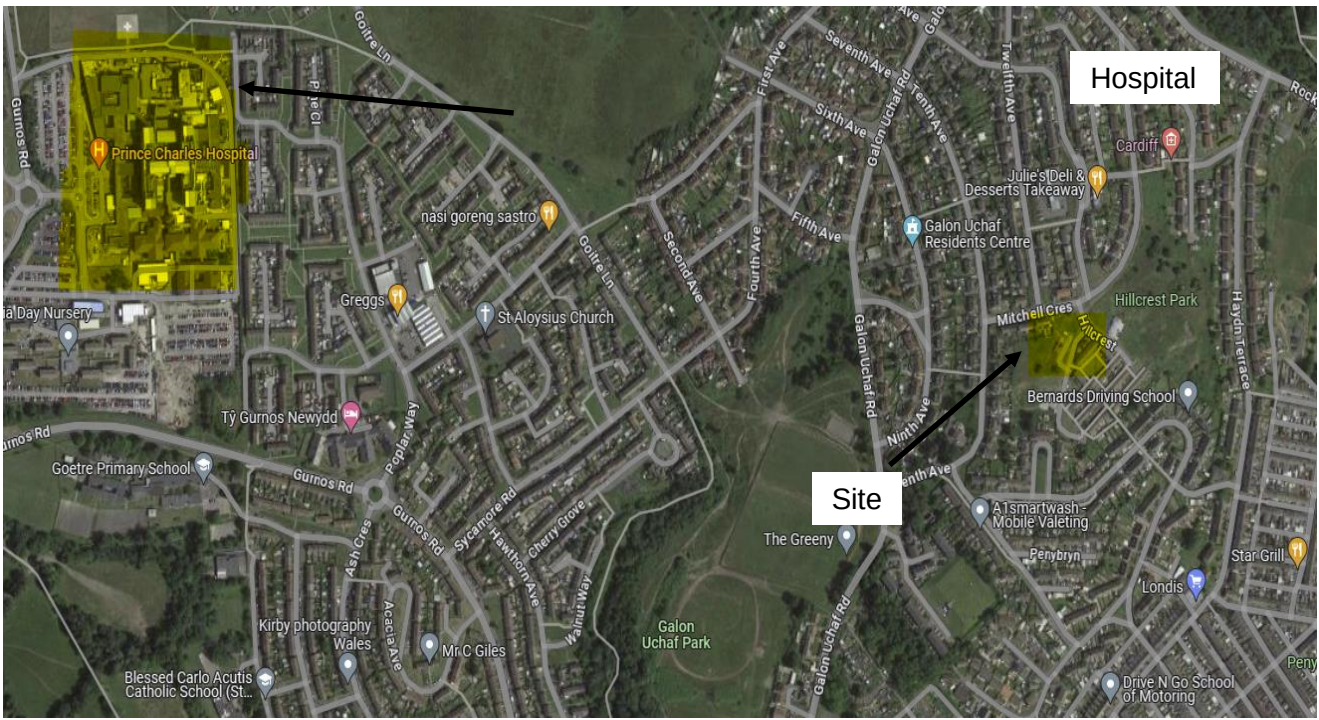
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2.4 Emergency Procedures

Gas:	0800 111 999	Nearest Clinic:	
Electricity:	0845 272 2424		
BT:	0800 917 3993		Telephone:
Welsh Water:	0800 052 0130		Fax:

Site Emergency Notice (To Be Displayed on Site)

Site Name:	Hillcrest – Garage Demolition Works
Location of nearest Defibrillator (AED):	Residents Centre, Ninth Avenue, Galon Uchaf, Merthyr Tydfil, CF47 9TL 450 yards
Details of any COMAH Sites within 3 miles of site:	N/A
Telephone Number	999
Location of Emergency Telephone	Site supervisors mobile phone
Location of First Aid Box	Welfare Cabin
Name of First Aiders	Callum Tranter, Christopher Quinlan
Location of Fire Fighting Equipment (Extinguishers)	Welfare Cabin
Emergency Evacuation Point	Site entrance
Emergency Warning	Vocal Alarm
Address / Location of nearest Emergency Hospital (to include location map)	Prince Charles Hospital, Gurnos



Names of Fire Wardens and Marshall's	Callum Tranter
--------------------------------------	-----------------------

SITE FIRE SAFETY PLAN (to be Displayed on Site)	
To safeguard against life, damage to property and the effects of fire Green Light Rail and Construction will draw up a fire plan in line with the revised guidance HSG 168 Fire safety in construction. The site manager will be deemed as the responsible person on site. Fire arrangements will be conveyed to all persons during the site-specific induction signage will be displayed as needed and any changes will be agreed with the client's representative at the location and will be conveyed through the medium of toolbox talks to all operatives on site.	
Fire Induction	All persons coming to site will undergo an induction detailing the precautions put in place and actions to be taken in the event of a fire or emergency.
Extinguishers	Will be positioned in the site office within the compound and located at various points around the site depending on the work activities underway. A suitable fire extinguisher must be present when carrying out any Hot Works or Electrical works.
Exit Routes	These are to be kept clear at all times, should a need arise to change any routes all personnel will be instructed of the changes
Assembly Points	Will be as directed by the Site Manager / Site Foreman and may change dependent on-site operations. Site Personnel will be informed of any changes.
Outbreak	A rotary bell / fire alarm will be sounded should a fire breakout on site. The site compound area will be designated as the assembly point for all persons on site. This will be conveyed during induction. The alarm must be raised immediately, and contact made with the Site Manager / Site Foreman, emergency services and / or client.
DO NOT PRESUME THAT SOMEONE ELSE HAS MADE THE CALL TO THE EMERGENCY SERVICES.	
The Site Manager / Site Foreman will also undertake a daily fire safety check, which will include:	- The means of escape is maintained - High standards of housekeeping - Hot work Electrical work or any work is carried out under a permit to work.

A "Hot Works Permit" will be required where there is a risk of fire to existing structures arising out of the construction activity.

The "Hot Works Permit" will detail the precautions and procedures to be adopted to avoid the risk of fire and to ensure that the area is left in a safe condition once works are complete.

Examples of activities that may require a Hot Works Permit are welding, brazing, flame soldering, grinding or using a blowlamp.

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3.0 TRAINING / COMPETENCY REQUIREMENTS

All site supervision will be suitably trained.

The Supervisor / Manager have sufficient, skills, knowledge and experience within the field of demolition, supported by reference from past works and also supported by the Consultant. **Supervisor to be named by Green Light Rail and Construction closer to project start date.**

References:

Company	Project	Contact Details
Alun Griffiths	Treherbert Station	Karl Mulin
Taylor Wimpey	Parc Derwen	Mike Snell

All machine drivers will be Health & Safety tested and hold the relevant CPCS card appropriate to the machine being operated.

All operatives selected for the demolition work have been selected for their skills, knowledge and experience for this type of work.

All banks men and site labourers will be Health & Safety tested and hold the relevant CSCS / CPCS card. Any CAT Scanning will be carried out by a trained operative.

All Asbestos Removal Operatives will have received the UKATA Asbestos Removal Training. **All Operatives have been Face Fit Tested for the RPE worn.**

Copies of which will be available within the site file and at Green Light Rail and Construction head office.

Full first aider to be on site at all times.

4.0 EQUIPMENT REQUIRED

Any plant required to carry out the works will be announced prior to delivery on site. Notwithstanding it is expected that the following items of plant will be required:

- 13 excavator with pecker
- 6t Dumper
- Pecker
- Grab attachment

All plant will be hired in for this project.

Certification for the above plant & operative training will be held at the work site. All static plant will be positioned on a plant nappy to eliminate / minimise spills causing environmental incidents.

Plant, Tools and Equipment should be hired in from suppliers that have been approved by Green Light Rail and Construction. The selection of plant, tools and equipment shall include for the reduction of ill-health effects, e.g. reduced noise and vibration emissions.

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All plant and equipment should be fully certificated, have evidence of a current thorough examination and should only be operated by persons who have reached the age of 18 years, hold a relevant CSCS / CPCS / NPORS certificate of competence for the specific item of mobile plant, and they have been authorised to operate the plant by the project management team.

All plant and equipment shall be used and maintained in accordance with the Provision and Use of Work Equipment Regulations (PUWER).

All powered equipment and tools brought onto site should have the appropriate records of PAT testing.

5.0 WELFARE REQUIREMENTS

Green Light Rail and Construction will ensure that the appropriate welfare facilities are provided and maintained according to the size of the workforce and nature of the work.

An assessment must be carried out to determine the specific welfare requirements and arrangements throughout the project; from day one of site set-up to the last day personnel are on site.

It has been agreed that Welfare will be provided by Green Light Rail and Construction by using the existing facilities for the duration of the Demolition Works. This complies with the minimum requirements of CDM Regulations 2015.

A mess room, canteen and toilet facilities of appropriate size will be provided for all to use.

The minimum requirements are a water boiler (for tea, coffee, etc.), fridge and microwave oven, cooker or similar to be made available for use.

Site first aider(s) will be nominated by **Green Light Rail and Construction**. Name(s) will be made known to all site operatives by means of signs / notices at appropriate places. A First Aid kit will be located in the site office, denoted as such by the green and white First-Aid sticker.

Site management will make arrangements to ensure all welfare facilities are cleaned on a regular basis and maintained to the highest standards. **Operatives to keep clean.**

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6.0 METHOD / SEQUENCE OF WORKS

6.1 Surveys

A full Demolition / Refurbishment Asbestos Survey is to be provided for this project. Any identified asbestos to be removed prior to any other demolition works starting.

All handling, removal and disposal of asbestos must conform to the HSE Control of Asbestos Regulations 2012.

Green Light Rail and Construction will implement appropriate emergency procedures if any other suspected ACM's are found in any of the working areas and this procedure must be highlighted and identified.

The following process will be applied and implemented:

- Do not disturb suspected material and stop work immediately.
- Isolate the area, shut doors and windows etc.
- Inform people in the immediate area and request that everyone keep away.
- Contact the Site Manager and Client.
- Post warning signs.
- Samples will only be taken by UKAS accredited asbestos company.
- Comply with the Client's instructions in regard to what is to be done concerning its possible removal.

No other surveys were carried out for this project.

6.2 Programme of Works

The Demolition will commence: 28nd February 2024
Demolition Period: Demolition will be complete by the 1st March 2024

6.3 Site Induction

All management, operatives and sub-contractors will receive a Site Safety Induction; prior to commencing works on site, in accordance with Site Safety Induction document.

The Site Manager will make all operatives aware of the content of this plan, fire evacuation procedures, site rules etc. Statutory health and safety notices shall also be clearly displayed on site. Safety issues will be reviewed, as deemed necessary, and on a regular basis with sub-contractors.

All visitors to site must report to the site office for a site induction and sign the visitors' book.

All operatives and visitors on site must "sign in" when they arrive and "sign out" when they leave, on the attendance record sheet.

SITE RULES:

The rules detailed below have been determined by risk assessment and apply to everyone working on the project. Client requirements have been included.

The Green Light Rail and Construction Site Supervisor may impose additional or amended rules as the result of continued risk assessment review, on all or part of the project.

Any persons found contravening the rules below may be subject to disciplinary action, which could include exclusion from site.

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The Standard Site / Induction Rules:

- It is your duty to take care of your own health and safety and for the health and safety of all other persons who may be affected by your acts or omissions.
- You must remain alert at all times and keep a sharp look out, not only for vehicles and plant in the work's area but also for vehicles and plant which may enter the work's area accidentally.
- When on site you must wear safety footwear, safety helmets and any other PPE required by contractor's assessments.
- Good housekeeping is essential on the site. Keep the site tidy. Remove all rubbish as soon as possible. Ensure all materials are stored in appropriate container and in a proper manner.
- You must obey the instructions of your supervisors. Wilful disregard of these site safety rules will result in being removed from site.
- Unauthorised visitors, children and personal pets are not allowed in the work's area.
- You must not take part in or encourage 'horse-play' of any kind.
- Consumption of alcohol within the bounds of the site is prohibited. You will not be allowed to work if unfit to do so due to the influence of drink or drugs.
- You must only enter & leave the site at the authorised points and not by any other route.
- You are required to attend an induction session and will not be allowed to work unless you have done so.
- You will attend all site safety training sessions as may be required from time to time by site management.
- Report any hazards, near misses, etc to your supervisor / manager.
- All injuries, ill health and damage incidents must be reported to site management.
- Plant and equipment must only be operated by trained and authorised personnel in the manner for which it is designed.
- A permit to work system will be operated for the following activities: hot works, electrical systems, confined spaces, working at height, excavations. Other activities may be included as decided by the site manager.
- Scaffolding and / or suitable guardrails must be provided to areas where falls are possible. Where these cannot be provided other fall arrest systems such as netting will be used. You must not work in situations where there is a risk of falling. Safety harnesses must not be used without authorisation from Site Management.
- Do not use ladders which are not tied and secure or scaffolding which is incomplete.

The Company does not permit the consumption of alcohol during working hours and forbids the use of illegal drugs. Operatives are reminded that alcohol, on average takes one hour per unit to be processed and therefore care must be taken to ensure that you are not still under the influence of alcohol should you drink the previous evening.

Name	Signature	Date

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6.4 Safe Access and Egress

Traffic routes must remain clear at all times for emergency access. Parking will be limited to the designated parking area. Traffic routes must remain clear at all times for emergency access and also the free flow of Client site traffic.

All abnormal deliveries should check their route to site before delivery. All plant and storage on site should be properly secured at night and when not in use.

Advance warning signs advising of the construction site and presence of heavy vehicles will be installed at the start of the project. **Speed limit on site will be 5mph.**

The confines of the site will be under the full control of **Green Light Rail and Construction**. Suppliers will be informed of the location of the site. Delivery drivers coming to site will be asked to contact the Site Manager prior to arrival, so that they can be met by a banksman and parked safely ready for the removal of deliveries / materials. During the replacement / removal of skips vehicles entering the pedestrian zone will be under the direction of a banksman and barriers arranged accordingly.

The timing and routes for deliveries must be discussed and agreed in advance with the Site Manager. Deliveries will all be made between 09:00am and 3:00pm.

Storage of materials:

Storage of equipment, waste and materials will be at planned agreed storage areas.

Removal of waste material:

Removal of waste material will be by **skips at the end of the demolition works. If any asbestos waste is found, it will be bagged, labelled and segregated for collection by the asbestos removal contractor.**

All personnel must take care and follow basic pedestrian routes when walking from the compound to site as this requires walking through a trafficked site.

6.5 Site Security / Hoarding / Fencing

Vehicular access is already present from **adjoining road**. All materials will need to be stored securely.

There will be a requirement for **heras fencing / hoarding** to segregate the Works and **Green Light Rail and Constructions's Compound** from the neighbouring properties, and to secure the site from unauthorised access. Storage and waste storage areas will be as per the site set up drawings.

All reasonable steps will be taken to ensure that only authorised persons are allowed onto the site or part of the site where demolition work is being carried out.

Site boundaries, securely fenced and signed, will be adapted as and where necessary as work progresses. Please refer to "**HSG 151 – Protecting the Public – Your Next Move**" for further guidelines.

The entire site shall be surrounded by a minimum 1.8m high close mesh heras type fencing or Solid Hoarding. The site compound will be secured at all times; all areas under construction will be left secure at the end of shift. Access gate will be closed at the end of shift. Site fencing will be checked daily to ensure it remains secure.

Signage will need to be clear to inform the contractors and public of the dangers and of any change in fire routes.

All visitors will need to sign in and out and be escorted at all times in the demolition areas.

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6.6 Identification and Isolation of Services

Existing Services:

Service plans and drawings from all utility companies are available and should be referenced before any demolition takes place. A permit to dig will be issued before any excavations are carried out.

Any services found on site are deemed to be live and all necessary precautions should be taken when working in the area of any know services. Prior to commencement of any ground work **Green Light Rail and Construction** will trace, identify and record all relevant service runs on the site by the use of detection equipment i.e. CAT scanners. **Green Light Rail and Construction** will liaise as necessary with Statutory Authorities and anyone one with local knowledge of the area to determine the exact locations of all service runs.

Locations of mains services are TO BE IDENTIFIED & ISSUED. **Green Light Rail and Construction** will survey the locations of the existing services prior to commencing works in each area.

Please note:

All existing services must be location isolated and disconnected prior to any works commencing and a certificate of reoccupation issued if applicable.

6.7 Exclusion Zones

Green Light Rail and Construction will establish demolition exclusion zones around the de-construction areas using Heras fencing and adequate warning signage displayed.

Warning signs will be erected confirming that demolition works are in progress and that access to the area is prohibited to non-demolition operatives, unless accompanied by an experienced member of our staff.

HOLD POINT: The demolition exclusion zone and safety signage are to be inspected by the Demolition site supervisor prior to works commencing on a daily basis

All exclusion zone fencing, and entry points will be physically secured and locked at all times or be under the control of a designated **Green Light Rail and Construction** Banksman.

Green Light Rail and Construction will implement a signing in / out register at the entry point to the demolition exclusion zone.

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6.8 Asbestos Removal

The Asbestos Containing Materials Identified for this project includes:

- **Not Applicable**

Other Guides to consider:

A0 – Advice on non-licensed work with Asbestos
EM2 – Training
EM5 – Wetting Asbestos Materials
EM6 – Personal protective equipment (PPE)
EM9 – Disposal of asbestos waste

6.9 Soft Strip

Soft Strip of gargare roofs, to be don off a Mobile Elevated Working Platform (MEWP). If using a mobile tower is more practical then we will use the latter.

6.10 Demolition

Demolition will be carried out using a 13 =t excavator with a grab attachment and pecker attachment **PPE to be worn as per the risk assessment.**

The Demolition site manager / supervisor along with the banksman / slinger / signaller will always be in radio contact with the excavator operator and only when the operators confirms that it is safe to carry out the work, the works will proceed.

- Everybody to sign the visitor book on entering and leaving the site. Induction to be given
- All operatives to wear PPE / RPE as per the risk assessments.
- Fencing will be erected around the demolition area to stop unauthorised access during the works
- Once all demolition work has been completed, waste will be removed using trucks.
- Clear the site and leave the remaining areas clean and safe.
- **Green Light Rail and Construction to call the MVH Manager once the work is completed.**

6.11 Restoration

- Site will be cleared and excavated areas to be infilled with stone pending MVH instruction

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6.11 Environmental Requirements

In the event of an Environmental Incident, procedures must be followed to ensure risks of further spillages / migration of pollutants are minimised. Contact details will be clearly displayed on site and information clearly explained to all site personnel.

The location of sensitive receptors such as watercourse, drainage and bore holes must be identified. An appropriate number of spill kits will be located within these areas. It is the responsibility of the site management to ensure all spill kits are fully stocked at all times, and an inventory of equipment within the container to be clearly displayed within the lid.

Construction Dust, Noise, Vibration and Lighting Management

Nuisance for the purposes of this document is broken into four sections, namely Dust, Noise, Vibration and Lighting. The following sections detail activities and control methods to be implemented on the project.

Sensitive receptors likely to be affected by construction nuisance include the residential / commercial properties closest to the site boundary and residential properties along construction traffic routes.

Dust

Mechanical disturbance of granular material exposed to air creates atmospheric dust, this type of dust generation is termed as 'fugitive' as it is not discharged into the atmosphere in a confined stream. The potential sources of these dust emissions are outlined below:

- Site clearance
- On site earth moving operations, site levelling, cut and fill etc
- Vehicle movements over haul roads and on-site during dry periods
- Wind blowing across the site during dry periods
- Stockpiling of materials
- Cutting and grinding
- Accidental spillage and loss of load from vehicles carrying loose material

The generation of this fugitive dust required consideration of additional factors such as:

- Prevailing wind (speed, direction)
- Prevailing climate, including rainfall
- Location of sensitive receptors (including residential and commercial properties, habitats and watercourses)

Prevailing winds are specifically important when considering fugitive dust. The speed of winds can determine the dispersion of dust; high winds can increase the initial generation of dust, in addition to carrying the dust over greater distances.

Appropriate preventative measures to control dust emissions can significantly reduce the potential for dust generation. Implementation of the following methods will help to minimise risk.

Risk	Control Measure
Construction Traffic	• All construction traffic will follow specifically designated routes • Speed limits will be put into place on site for all vehicular movements • All vehicles carrying loose material will be covered
Stockpiles	• To be sealed or sprayed with chemical bonding agents as required • Location of stockpiles away from any sensitive receptors • To be seeded to allow the growth of grass if stockpiled for long periods of time

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Dust Suppression	- Mobile browsers to be deployed on site at regular intervals. Activity to be increased during significantly dry and windy periods - Where necessary, use of hoardings to be considered to ensure reduction in dust migration - Deliveries of significantly dusty materials to be sprayed to reduce dust potential - All cutting and grinding operations to be conducted in ways to reduce risk of dust migration (wet cutting techniques etc)
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Noise

Noise has the potential to cause disturbance, given the nearby buildings. It is essential that the works comply with any conditions which will be laid out by the Local Authority. Council's policy on hours of work is as follows:

- Monday to Friday 8am - 6pm
- Saturday 8.30am - 1pm
- No Sunday, Bank holiday or Public holiday working

Work may be permitted outside of these hours in exceptional circumstances and only by prior agreement with the Council and will be conditional on the contractor informing local businesses in advance of the proposed activity.

Any complaints raised due to noise should be recorded.

In addition, our team will embrace best practice with regards noise minimisation. Best practice will include:

- All construction plant and equipment will comply with EU noise emission limits.
- Plant will be serviced regularly to minimise adverse noise impacts.
- All vehicles and mechanical plant used for the purpose of the works will be fitted with effective exhaust silencers and maintained in good efficient working order.
- Selection of inherently quiet plant where appropriate. All major compressors will be 'sound reduced' models fitted with properly lined and sealed acoustic covers which will be kept closed whenever the machines are in use and all ancillary pneumatic percussive tools will be fitted with mufflers or silencers of the type recommended by the manufacturers.
- Machines in intermittent use will be shut down in the intervening periods between works or throttled down to a minimum.
- Plant and equipment such as flatbed Lorries, skips & chutes will be lined with noise attenuating materials. Materials will be handled with care & be placed, not dropped.
- Materials will be delivered during normal working hours.
- Plant reversing near dwellings will have banksmen in place of 'beepers'.
- All ancillary plant such as generators, compressors and pumps will be positioned so as to cause minimum noise disturbance, i.e. furthest from receptors or behind close boarded noise barriers. If necessary, acoustic enclosures and / or shielding will be provided.

Where practical, noise barriers, close in to construction works, when working in the vicinity of the offices, will be provided. This will provide additional mitigation for the short-term significant construction noise effects at these locations.

Bats & Nesting Birds

Ecology Supervision will be attending site

If new bird nests are found with eggs and / or chicks, then they will have to be left until nesting has finished.

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6.12 Waste Management

Environmental Permitting

Any activities within the site which may fall into the Environmental Permitting Regime need clarification and appropriate licences or exemptions. The site will maintain regular contact with the Environment Agency with regards to any issues arising through the Environmental Permitting Regulations.

Segregation of Waste

To ensure maximum potential for reducing waste to landfill, and encouraging reuse and recycling, waste will be segregated. Separate skips will be made available for all types of waste. Each skip will be clearly labelled, and site personnel will be informed of procedures within the induction. Regular monitoring will be undertaken to ensure correct procedures are followed at all times. The skips will be emptied at regular intervals to prevent overfilling. Toolbox Talks will be undertaken with all site personnel to ensure full understanding of waste procedures.

Disposal of Non-Hazardous Waste

All non-hazardous waste will be removed from site within strict adherence to all waste legislation requirements, including Duty of Care Regulations. Prior to any agreed use of hauliers or waste disposal sites, the appropriate licences will be thoroughly checked to ensure that particular waste streams can be accepted, and carrier licences are valid. This can only be undertaken by authorised personnel and copies of all necessary licences must be retained on site at all time and reviewed for expiry. No waste will leave site without appropriate waste transfer notes.

It is essential that all waste transfer notes are inspected for detail and must contain the correct description of waste as well as the correct waste code, in line with the List of Waste Codes Regulations. Only authorised and fully trained personnel may sign waste transfer notes. Regular audits will be undertaken to ensure correct procedures are being followed.

There should not be any significant quantities of inert waste taken off site as the intention is to design the project creating an earthworks balance on site, using all material suitable for re-use on an industrial site (EA guidelines). Surplus material will be used in site re-profiling.

Disposal of Hazardous Waste

Hazardous waste arisings are expected on this site in the form of Asbestos, the site must be registered as a producer of Hazardous Waste. No hazardous waste must leave site without the correctly completed Consignment Note.

The consignment notes must contain all necessary information including waste description and hazardous waste registration number. Any carriers removing hazardous waste must have appropriate licences and disposal sites must be verified to be able to accept waste being sent. These checks and signing of consignment notes can only be undertaken by authorised personnel.