

## CONSTRUCTION SITE FIRE PLAN

<b>DATE</b>	19/10/2021
<b>FIRE SAFETY COORDINATOR (SITE MANAGER)</b>	Richard Baker
<b>FIRE SAFETY DEPUTY</b>	Richard Baker
<b>FIRE MARSHAL</b>	Richard Baker
<b>CONTRACT</b>	
The Paddock. Blackhorse Place Mangostfield Bristol	
<b>RESPONSIBILITIES OF FIRE CO-ORDINATOR / DEPUTY</b>	
<ul style="list-style-type: none"> <li>• Arrange fire safety training at induction</li> <li>• Arrange fire drills</li> <li>• Determine fire safety rules</li> <li>• Oversee hotworks procedures and issue permit to work</li> <li>• Provide plan, fire equipment, means of escape routes and assembly points</li> <li>• Arrange inspections of escape routes and fire equipment by fire marshals</li> <li>• Appoint and supervise fire marshals</li> <li>• Ensure fire procedures are communicated at induction</li> </ul>	
<b>FIRE MARSHALLS – DAILY DUTIES</b>	
<ul style="list-style-type: none"> <li>• Monitor hotworks</li> <li>• Check workforce visitor booking in</li> <li>• Monitor fire equipment</li> <li>• Keep escape routes clear</li> <li>• Organise safe storage of materials</li> <li>• Supervise fire safety rules</li> <li>• Brief workforce on any amendments to fire safety requirements</li> </ul>	
<b>SITE PRECAUTIONS FOR THE PREVENTION OF FIRE (GENERAL)</b>	
<p><b>SMOKING</b></p> <ul style="list-style-type: none"> <li>• A no smoking policy will be enforced throughout the site. Smoking will only be permitted in the <b>designated area</b></li> </ul> <p><b>PTW</b></p> <ul style="list-style-type: none"> <li>• Hotwork permits to be issued for hot cuttings, welding, soldering, blowtorch, grinding, hot air gun and any other open flame or spark activity</li> </ul> <p><b>LIGHTING</b></p> <ul style="list-style-type: none"> <li>• All halogen lights are banned on site, only florescent and LED can be used.</li> </ul> <p><b>VEHICLES AND PLANT</b></p> <ul style="list-style-type: none"> <li>• Vehicles should not be parked within 10m of the building under construction</li> <li>• Plant and vehicles will be switched off whilst refuelling</li> </ul> <p><b>ELECTRICITY</b></p> <ul style="list-style-type: none"> <li>• Electrical plant to be tested in accordance with the following:             <ul style="list-style-type: none"> <li>○ Mains &amp; cabins – 12 monthly</li> <li>○ Small tools - 3 monthly</li> </ul> </li> <li>• All electrical installations whether temporary or permanent will conform to the current edition of the IEE Regulations and the principles of the HSE Guidance document “Electricity on Construction Sites”. Installations will be tested by a competent electrician at least every three months and records of the tests maintained.</li> <li>• Temporary site electrical supplies will be of 110v CTE wherever practicable / fitted with RCD</li> </ul>	

# CONSTRUCTION SITE FIRE PLAN

devices.

- All distribution boards will be clearly labelled and isolators and switchgear will be capable of being locked "off".

## FLAMMABLE LIQUIDS AND GASES

- Flammable liquids will be stored in a signed and flameproof port-a-store
- LPG other fuel gasses to be stored in lockable cage at least 3 metres from any source of ignition. Compound to be signed with symbols and words Highly Flammable, No Smoking, No Naked Lights. Oxygen to be stored as above separately from fuel gases. Water and Dry Powder fire extinguishers to be deployed.
- Gas appliances will have individual control taps and be fed by fixed piping or armoured flexible tubing installed by an appropriately registered Gas Safe gas fitter. Gas cylinders will be located outside the building.

## TAR BOILERS

- Tar boilers will be supervised, sited on a fire resistant base, with cylinders 3m from the burner and have 2 appropriate fire extinguishers available

## SITE ACCOMMODATION

- Site accommodation and welfare facilities are located as marked on the Site Plan
- Temporary buildings will be erected at least 10m away from the construction and any other buildings on site (if possible) and where not, at least 6m away
- Where temporary buildings are located within 6m of the building under construction they will be fitted with fire detection systems, and constructed of materials that achieve a 30 min fire resistance
- Automatic detection will be fitted in temporary accommodation used for cooking or the drying of clothes
- The spaces beneath temporary buildings will be enclosed in such a way as to prevent the accumulation of rubbish whilst allowing ventilation
- Heaters will be fixed above floor level and fitted with secure metal guards
- Heaters used for drying clothes will be thermostatically controlled and have enclosed elements. Clothes drying racks will be firmly positioned at a safe distance from the heaters

## Traditional Build Construction

- The buildings will be compartmented at the earliest possible stage
- A minimum of 2 emergency escape routes will be maintained at all levels until completion of the internal plasterboard
- The maximum combined travel distance will not exceed 35m
- Highly combustible material must not be stored in the building under construction, and storage areas must be at least 15m from any building
- Open top skips should not be placed within 10m of a timber frame building under construction
- Soft landing systems, used as fall arrest, must have fire retardant covers

## FIRE POINTS

- Each Fire Point to consist of at least one water and one dry powder extinguisher; alarm siren / bell; instructions on action in event of fire or emergency; plan of escape route, other fire points and muster points
- Fire points to be located at a central point on each floor
- Escape routes from enclosed structures will be marked by signs conforming to the Safety Signs and Signals Regulations

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## WASTE

- All contractors will place potentially flammable waste materials in the skips or containers provided and must not allow such waste to accumulate at the work place or in other areas of the site
- Waste containers will be kept away from the construction, temporary buildings and the site perimeter
- Waste must not be burned on site

## FIRE ESCAPE AND COMMUNICATIONS

- Escape routes will be marked on the site plans. In the event of an alarm sounding the fire safety co-ordinator or nominated deputy will call the fire brigade
- Instructions on action in the event of fire will be given verbally at induction and displayed at each fire point
- The muster point is located **Vinney Green**
- Escape routes, fire points, and muster points will be displayed on a location plan at each fire point

## FIRE BRIGADE ACCESS AND FACILITIES

- Access for fire appliances is at the **Fire Points**
- A gate man **will not be** stationed to ensure the fire brigade have clear access.
- The fire safety co-ordinator or deputy will liaise with the fire officers

## SIGNING IN & BOOKING PROCEDURE

- All workforce to book in with sign in /out
- All visitors to book in at the site office
- If any doubt that any person remains in the buildings in event of fire, a search will only be carried out by the fire brigade

## SECURITY MEASURES

- The site manage will monitor access to the site during working hours
- All gates secured outside of working hours and checked prior to departure

## PROTECTION OF FINISHES DURING CONSTRUCTION

- Approved flame retardant protective coverings to loss prevention council standards will be used to protect finishes
- No smoking in all areas where finishes are installed

## FURTHER INFORMATION

Fire prevention on construction sites, joint code of practice.

## ORIGINATOR & DATE

Signed:



Name: Richard Baker

Date: 19/10/2021

## Site waste management plan

<b>Project name</b>	The Paddock	<b>Project start date</b>	TBC
<b>Project no</b>		<b>Planned completion date</b>	TBC
<b>Site address</b>	BlackHorse Place Mangotsfield BS16 9AD	<b>Approx value of work</b>	£ 1 mil
<b>Client name</b>	Blackhorse Place Ltd	<b>Original issue date</b>	
<b>Client contact name</b>	Site Manager Richard Baker	<b>Latest revision date</b>	19/10/2021
<b>Brief description of works</b>	New residential housing development, 3 Detached House's , one 3 Bedroom House and two 4 Bedroom House's to include new access road and landscaping scheme		

SWMP review: (it is a legal requirement to review and update this SWMP at least every 6 months)			
Rev	Date	Description of changes	Reviewed by

## Site waste management plan

### Policy


The waste policy implemented and audited by BlackHorse Place Ltd is as follows:

1. the BHP Ltd waste policy is followed and the reduction/minimisation of waste generated is the first priority for the business
2. subcontractors and suppliers are encouraged to operate 'take-back' for materials and packaging
3. sub-contractors must be issued a copy of this plan and understand the implication for them
4. proper material storage areas must be established on site to minimise the damage to new materials
5. segregation of waste on site will be implemented where there is sufficient working room and where the facilities exist locally in order to process the various waste streams segregated on site
6. correct legal 'duty of care' documentation must be provided to support all waste transfer activity including certificates of registration, waste management licences, waste transfer notes (for controlled waste) and consignment notes (for hazardous waste)
7. all waste transfer notes will be kept for two years and all consignment notes will be kept for three years

### Legal declaration

Blackhorse Place Ltd will take all reasonable steps to ensure that:

- all waste from site is dealt with in accordance with the waste duty of care in section 34 of the environment protection Act 1990 and the environmental protection (duty of care) regulation 1991
- materials will be handled efficiently and waste managed appropriately

<b>Blackhorse Place representative name</b>	Richard Baker	<b>Signature</b>	
		<b>Date</b>	19/10/2021

Decisions taken pre-construction on waste minimisation e.g. reuse of materials, design decisions, construction methods, materials selection etc to be taken from the Client's SWMP.

### Responsibilities

Blackhorse Place Site Manager will have overall responsibility for management of waste on site

Site waste management plan

<b>Waste disposal arrangements</b>			
Environment Agency Hazardous Premises Code (attach a print out to this SWMP in Appendix 3)			
Where relevant, has discharge consent been obtained from the environment agency?		<b>Date of application</b>	<b>Expiry date</b>
Has agreement been sought from the statutory authority for effluent discharge?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Attach a copy to this SWMP – Appendix 3
	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Attach a copy to this SWMP – Appendix 3

**Waste minimisation**

Detail the decisions taken pre-construction on waste minimisation, e.g. reuse of materials, design decisions, reuse of packaging etc. (including information from clients SWMP)


**Waste targets**

Recycling rate/diversion from landfill target (%):	80%	Actual recycling rate/diversion from landfill achieved (%):	
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**BREEAM targets**

If the project is assessed under the BREEAM scheme the following credits can be targeted for WST1 for the amount of waste generated per 100m<sup>2</sup> (of gross internal floor area)

Project BREEAM rating required:		Gross internal floor area (m <sup>2</sup> ):	
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Site waste management plan


**Site layout & waste arrangements**

Provide plan showing skip locations and material storage areas (drawing /plan reference)

**Non-segregation arrangements**

**Notes & details**

General skip(s) for all types of waste

Non recyclable

**Segregation arrangements**

**Notes & details**

Soils

Aggregates/concrete/masonry

Timber

No Pallets

Metals

Plasterboard / gypsum

Paper/cardboard

Plastics

Glass

Canteen/office waste

General waste other than segregated waste

Other (define)

Other (define)

Site waste management plan

<input type="checkbox"/>	Other (define)		
<input type="checkbox"/>	Other (define)		



## Site waste management plan

### Waste to be generated

Tick the relevant waste streams that will be generated on the project. Enter what is going to happen to waste: RU = reused, RC = recycled, LF = landfill, OD = other. Estimate the quantity in tonnes for each type of waste. Add the carrier details for each type of waste and their associated 'Certificate of Registration' number (attach a copy to this SWMP under Appendix 1). Add the destination details for each waste type and the associated waste management licence number (attach a copy to this SWMP under Appendix 2).  
**Note:** It is a legal requirement to complete these details. They shall be reviewed and updated every 6<sup>th</sup> months (as a minimum) and actual quantities of waste must be added.

Tick	Description	EWG code	What happens to waste?	Hazardous waste?	Estimated quantities (tonnes)	Actual waste produced (tonnes)	Waste carrier	Waste carrier 'certificate of registration' no.	Waste destination	Waste destination 'waste management licence' or consent no.
X	Soils & stones contaminated with dangerous substances	17.05.03	OD	Yes	20					
	Soils & stones NOT contaminated with dangerous substances	17.05.04	-	No						
	Mixed construction & demolition waste containing dangerous substances	17.09.03	-	Yes						
	Mixed construction & demolition waste NOT containing dangerous substances	17.09.04	-	No						
	Construction materials containing asbestos	17.06.05	-	Yes						
X	Mixtures of concrete, bricks, tiles & ceramics	17.01.09	RC	No	5					
X	Wood	17.02.01	RC	No	1					
	Glass	17.02.02	-	No						
X	Plastic	17.02.03	RC	No	1					
	Iron & steels	17.04.05	-	No						
	Mixed metals	17.04.07	-	No						

Site waste management plan

Tick	Description	EWC code	What happens to waste?	Hazardous waste?	Estimated quantities (tonnes)	Actual waste produced (tonnes)	Waste carrier	Waste carrier 'certificate of registration' no.	Waste destination	Waste destination 'waste management licence' or consent no.
	Cables not containing dangerous substances	17.04.11	-	No						
	Waste paints containing dangerous substances	18.01.11	-	Yes						
X	Insulation materials NOT containing dangerous substances	17.06.04	O D	No	1					
X	Gypsum based construction materials containing dangerous substances	17.08.01	-	Yes						
X	Gypsum based construction materials NOT containing dangerous substances	17.08.02	RC	No	10					
X	Paper & card packaging	15.01.01	RC	No	5					
	Plastic packaging	15.01.02	-	No						
	Wooden packaging	15.01.03	-	No						
X	Mixed packaging	15.01.06	RC	No	1					
<input type="checkbox"/>			-	-						
<input type="checkbox"/>			-	-						
<input type="checkbox"/>			-	-						
<input type="checkbox"/>			-	-						
<input type="checkbox"/>			-	-						
<input type="checkbox"/>			-	-						
<input type="checkbox"/>			-	-						

# Blackhorse Place Ltd

## Site waste management plan

### Subcontractor review and signatures

Subcontractor	Name of person signing on behalf of S/C	Signature	Date

## Site waste management plan

**Post completion:** (This section is to be completed by the JSG person responsible for waste on site within one month of the works being completed)

This SWMP has been monitored on a regular basis to ensure that the work has progressed to the plan and has been updated and reviewed on a regular basis as required by the site waste management regulations.

Estimate any cost savings achieved by completing and implementing this plan

Lessons to be learnt including an explanation of any deviation to the planned arrangements

Waste transfer notes and consignment notes for all waste removed from the project must be recorded, filed and made available as part of this plan.  
 The final waste quantities produced on the site must be added to this plan and a copy to be forwarded to the senior HSQ&E manager who will retain a copy for a minimum of three years

The following person(s) had responsibility for implementing this plan:

Name	Signed		Date
RICHARD BAKER			19/10/2021

# Blackhorse Place Ltd

## Site waste management plan

### Appendix 1 - Certificates of Registration: (list details of certificates and append to this SWMP)

Name & address of carrier	Certificate of Registration No. attached	Date of expiry

### Appendix 2 – Waste Management Licences or exemption permits: (list details of licences or permits and append to this SWMP)

Waste destination name & address	Waste Management Licence or exemption permit No. attached

### Appendix 3 – Consents: (list details of consents and append to this SWMP)