Site Waste Management Plan

Barratt David Wilson & Hopkins Homes

Land North-East of Humber Doucy Lane, Ipswich, Suffolk

February 2024

Site Waste Guidance Notes

The following notes explain the methodology behind the Site Waste Management Plan and are designed to provide an introduction.

General Notes

• All waste quantities in SitePlan are measured in Tonnes.

• Where BREEAM credits are calculated per 100sq M of floor area, this refers to the

Wst01 credit.

1. Project information and responsibilities

This section provides an overview of the project and details all the main information and the persons responsible for each element.

This will list:-

- The principal contractor, client, project manager and site manager.
- A description of the construction works along with the floor area in m², project

cost and construction type.

• The location of the project, the start date, estimated end date, who will be

responsible for implementing the SWMP and who will be the waste champion.

2. Resource Minimisation Opportunities

This is a list of all the waste minimisation statements detailing how the production of

waste from the project will be minimised.

3. Forecasts of Resource Usage

This section is where the forecasting of how much waste will be produced by the project during demolition, groundworks and construction is recorded.

The automated forecast data generated is based on the residential project type and building floor areas and is calculated from a large number of previous projects.

This section will indicate whether the targeted credits for are likely to be achieved and must be monitored regularly. This is an automated calculation for the ease of both the user and the Assessor.

4. Waste Hierarchy Routes

This section provides a table with a breakdown of each of the waste types per project phase and displays the percentages for Reduce, Reuse, Recycle, Recover and Dispose for each waste stream. This table also shows if the waste is managed on or off site.

This table includes all waste types accepted by a disposal site and should include those relevant to the project.

5. Duty of Care Compliance Checks

This section ensures that Duty of Care responsibilities are satisfied. All waste contractors removing waste from site MUST be logged in this section, or waste data cannot be uploaded into the project.

All waste contractors must have a valid, up to date Waste Carrier's Licence and the transfer station being used must have the relevant Permits and Licences for the waste being received.

The developers retain an updated database of waste contractors and waste transfer stations which is regularly checked against the Environment Agency Public Registers. No waste carriers or disposal sites are included within the Plan database unless they have been checked against these Registers.

When a waste transfer station is selected the type of waste that can be received, together with the recycling rates for that waste stream are displayed.

All Waste Transfer Notes(WTNs) must be retained for two years. In addition, even if no hazardous waste is forecast, it should be made clear that any hazardous waste will be stored separately from non-hazardous waste and also from other hazardous waste streams. In addition, all hazardous waste Consignment Notes will be kept for at least three years.

If a Water Discharge Permit is required, this is the section where it can also be included.

6. Training and Communicating the SWMP on Site

This section identifies any SWMP Training / Communications that will be implemented for the project.

To help with the implementation of the SWMP there are downloadable resources in this section including:

- Induction sample
- EWC Code toolbox talks

- Posters and signage
- Subcontractor agreement sample
- Waste contractor agreement sample

7. Resource Data

This section displays the overall summary for the waste data uploaded (the Waste

Arisings) for the project.

As data is added it will feed into the totals for the project and update the company

graphs.

This section shows the total waste generated up to the last waste entry onto the Plan, the total waste per 100m² of project floor area (Tonnes per 100m²), the total waste per

£100k of project cost (Tonnes per £100k), the Reuse / Recycle totals and the overall

percentages of each.

In addition, the total waste disposed and the total diverted from landfill (as both a weight in Tonnes and as a percentage of the total waste produced) are shown.

Also, a graph is generated showing totals of waste produced by waste stream and a table is generated showing the current actual quantities versus forecasted quantities.

If the waste, water and carbon box has been ticked on the Project Overview page, a table with water meter readings that have been uploaded will be displayed in this section, together with graphs showing actual tonnages of carbon used for electricity, waste collection mileage and staff and visitor mileages for each month.

8. Ongoing Review

This section is the Audit Trail for the Plan, automatically detailing what actions were

carried out when and by whom. This data / information cannot be amended or altered by a user.

9. Project Completion Review

This section is completed after the project has finished and the last waste data entry has been uploaded.

This section shows the 'Lessons Learnt' for the project by comparing the forecasted data against the actuals.

The calculation for Tonnes of waste produced per 100m² of Floor Area details the number of credits achieved.

The Costs and Benefits section compares the predicted and actual waste disposal costs for the project to assist with future tenders and waste disposal / resource budgeting.

The Appendices

Appendix 1. Copies of Waste Licence(s) and Environment Agency Check(s)

This section is where all the licence(s) for each waste contractor and waste transfer station are shown. Each contractor and transfer station has been checked against the Environment Agency register before being added to the Plan database.

Appendix 2. Site Inspection Reports

This section accommodates the storing of any SWMP Site Inspection reports in the hard copy site folder.

Appendix 3. Sub-Contractor Agreements

In the hard copy site folder, this is where the agreements with sub-contractors removing their own waste may be filed.

Appendix 4. Waste Data Lists

In the hard copy site folder this section is used to file the waste reports for the project.

Appendix 5. Waste Transfer Notes (WTN)

This section of the hard copy site folder is where the actual Waste Transfer Notes are filed.

Appendix 6. Site Floor Drawing

This is where the site plan layout is filed in the hard copy site folder. It denotes the

location of waste disposal 'areas' or containers and their allocated waste stream usage, with colour coding of labels. It also denotes site security information, such as fences and lockable gates to prevent inward fly tipping.

Appendix 7. Waste Actuals

This section is a record of all the Waste Transfer Notes that have been uploaded into the Plan for this project.

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1. Project information and responsibilities

Project name:- Land North-East of Humber Doucy Lane, Ipswich

Project ref: HDL1

Principal Contractors: BDW & Hopkins Homes Limited

c/o Melton Park House

Melton

Woodbridge

Suffolk

IP12 1TJ

Tel:01394 446800

Client: BDW &Hopkins Homes Limited c/o Melton Park House

Melton

Woodbridge

Suffolk

IP12 1TJ

Tel. 01394 446800

Project Manager: TBA

Site manager TBA

Hopkins Homes Ltd

Description of construction works: Outline Proposals for up to 660 residential dwellings

Project floor area: N/A - TBA

Construction type (i.e. masonry, timber?): TBA

Location: Land North-East of Humber Doucy Lane, Ipswich, Suffolk

Estimated project cost: TBA

Project timescales Start: TBA

End date: TBA

Who is responsible for drafting the SWMP: BDW & HH

Who is responsible for implementing the SWMP: All Construction Staff & Contractors Will there be a waste champion on site? If so, please identify the individual: TBA Where will the SWMP be kept? Site office Project classification Residential: Houses/Flats/Apartments

2. Waste Minimisation Opportunities

Minimisation	Decision	Waste	By Whom	Intended
Туре	Туре	Minimisation Decision Taken		Results
Waste	Materials	To segregate waste on-site where possible	Principle Contractor	To increase recycling rates and promote reuse
Waste	Design	To pre design all the service routes to shortest exit	Designer	To reduce the amount of material use and waste production
Waste	Design	Standard window for brick dimensions	Designer	To reduce the amount of overall material used including brick off-cuts
Waste	Construction Method	To utilise cut and fill opportunities where possible	Principle Contractor	Reduction in waste costs, and reduced waste amounts to landfill
Waste	Materials	To use returnable pallets where possible	Principal Contractor	To reduce timber (pallet) waste on site
Waste	Materials	To segregate timber waste on site	Principal Contractor	Reduction in waste costs, and reduced waste amounts to landfill

Waste	Materials	To segregate Gypsum waste on site	Principal Contractor	To ensure plasterboard is recycled where possible
Waste	Materials	To segregate plasterboard waste on site	Principal Contractor	To ensure plasterboard is recycled where possible
Waste	Other	Make use of any sand and/or gravel extracted on site wherever possible	Principal Contractor	To increase recycling rates and promote reuse.

<u>3. Forecast of waste types and amounts</u>

Work Package	Type of Waste	Estimate Amount (tonnes)
Construction	Bricks	
Construction	Concrete	
Construction	Canteen/Office/Ad-hoc	
Construction	Electrical	
Construction	Floor Coverings	
Construction	Gypsum	
Construction	Inert	
Construction	Metals	
Construction	Mixed	
Construction	Mixed Municipal	
Construction	Packaging	
Construction	Plastics	
Construction	Tiles & Ceramics	
Construction	Timber	
Construction	Hazardous	
Construction	Insulation	
Groundworks	Inert	
Groundworks	Mixed	
TOTAL		

4. Waste Hierarchy Routes

Waste type	Location	Reduce	Reuse	Recycle	Recover	Dispose
Bricks						
Concrete						
Canteen/Office/Ad- hoc						
Electrical						
Floor Coverings						
Gypsum						
Inert						
Metals						
Mixed						
Mixed Municipal						
Packaging						
Plastics						
Tiles & Ceramics						
Timber						
Hazardous						
Insulation						
Inert						
Mixed						
Overall Target						
Total Tonnes						

5. Duty of care compliance checks

Waste carrier details:

Waste Carrier Name	Waste Carrier Licence Number	lssue Date Expiry Date	Copy Licence	Waste Site Taken To	Waste Management License/ Issue Date	Waste Transfer Note Storage Location	Recycling rate	Copy Licence

Recycling rates:

Destination Waste Site	Waste Type	Recycling Rate (%)

Water Discharge Permits:

6. Training and communicating the SWMP on site

Training

Everyone on site should receive relevant training which should include:

- The SWMP
- Roles and responsibilities
- Waste procedures on site
- Hazardous waste
- Duty of care / responsibilities
- Materials storage.

The following types of training are being undertaken:

Method	Undertaken
Induction	
Toolbox Talks	
Workshop	
Other Training	

Communication

The plan is being communicated by:

Method	Undertaken
Meetings	
Posters	
Feedback	
Other Communications	

7. Waste Data

This section will be updated once waste is removed from site.

Tonnage	
Total tonnage of waste generated to date	
Tonnes of waste per 100/1 sq.m. of floor area (tonnes/100 sq.m.)	
Tonnes of waste per £100K of project cost (tonnes/£100K)	
Reused on site	
Reused off site	
Total reused	
Recycled on site	
Recycled off site	
Total Recycled	
Sent for recovery off site at licensed facilities	
Total recovered off site at licensed facilities	
Total recovered	
Disposed off site	
Disposed from licensed facilities	

Total disposed	
Total waste diverted from landfill	

Actual tonnage of waste to date by product group

Current actual quantities versus forecasted quantities

Waste type	Forecasted quantity (tonnes)	Actual (tonnes)
Bricks		
Concrete		
Canteen/Office/Ad-hoc		
Electrical		
Floor Coverings		
Gypsum		
Inert		
Metals		
Mixed		
Mixed Municipal		
Packaging		
Plastics		
Tiles & Ceramics		
Timber		
Hazardous		
Insulation		
Inert		
Mixed		
TOTAL		

8. Ongoing review

Date	Name	Summary/Actions Carried Out

9. Project completion review

Waste Minimisation

Waste Minimisation Decision	Achieved Action Undertaken	Financial or Other Direct Benefit for the Principal Contractor		

Lessons Learnt

Waste type	Forecasted quantity (tonnes)	Actual (tonnes)		
Bricks				
Concrete				
Canteen/Office/Ad-hoc				
Electrical				
Floor Coverings				
Gypsum				
Inert				
Metals				
Mixed				
Mixed Municipal				
Packaging				
Plastics				
Tiles & Ceramics				
Timber				
Hazardous				
Insulation				
Inert				

Mixed	
TOTAL	

Comments:

Cost and Benefits

Item Description	Estimated at Tender Stage	Actual
Number of Skips		
Cost per Skip		
Total Cost		
Comments		

How successful was the SWMP implementation on site?

Was there any deviation from the pre construction phase SWMP?

Are there any actions or lessons learnt for future projects?

What are the estimated project cost savings due to SWMP?

This plan should be kept at either the principal contractors place of business, or at the site of the project, for 2 years.

Appendix 1- Copy Waste licence(s) and Environment

Agency check(s)

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Date WTN	Carrier	Destination	Work Package	Container Size	Segregated	Waste type	Tonnes