

Site Waste Management Plan

Project G0024 Chemistry Laboratory University of Surrey

Value: £1,700,000

Description: Refurbishment of the Joseph Kenyon Laboratory

Location: The University of Surrey

Project Start Date: 29th April 2013

Project Finish Date: 13th September 2013

Area of Structure: 700m²

Version:- Number: 1
Date: 22/04/13

Persons legally required to be identified (SWMP Regulations 2008 Section 6 (1))

Position	Name	Contact Details
Client	The University of Surrey	Ken Webb 07977545007
Principal Contractor	Beard	01 483 485189
Site Waste Management Plan Drafter	Iain Dandy	As above

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Appendix A – Waste Management Documentation

This SWMP must be kept at the principle contractor's place of business for 2 years after completion of the project

1. Contacts and Responsibilities.

The Project Manager is the environmental co-ordinator for this project and as such is responsible for overseeing and updating this plan.

The Company's health, safety & environmental manager will audit the plan to ensure that all legal obligations are being met and adherence to waste minimisation principles.

Role	Name	Contact Details
Client	The University of Surrey	As above
Individual responsible for implementing the SWMP	David Diffey site manager	07785 625456
Project waste champion	David Diffey	As above
Project Manager	Iain Dandy	01 483 485189
Person responsible for updating SWMP	David Diffey	

Signed by Client to comply with regulation 6.5

2. Training

The format for onsite training to ensure that the principles of our SWMP protocols are met will be:-

The project sub contractors will be informed of our waste handling arrangements at their initial induction. This training will be reinforced during Tool box talks.

The aims of this site waste management plan are to:-

- PREVENT the generation of waste
- MINIMISE wastes produced unavoidably
- RE-USE materials where practicable
- RECYCLE waste materials where practicable, and
- DISPOSE of waste correctly and cost effectively.

All waste from this site is dealt with in accordance with the waste duty of care in section 34 of the Environmental Protection Act 1990(3) and the Environmental Protection (duty of care Regulations 1991(4):-

- a) To prevent any other person committing the offences of disposing of "controlled waste" or treating it, or storing it:
 - Without a waste management licence.
 - Breaking the conditions of a licence
 - In a manner likely to cause pollution or harm to health
- b) To prevent the escape of waste, that is, to contain it
- c) To ensure that, if the waste is transferred, it goes only to an "authorised person" or to a person for "authorised transport purposes."
- d) When waste is transferred, to make sure that there is also transferred a written description of the waste, a description good enough to enable each person receiving it:
 - To avoid committing any of the offences under (a) above
 - To comply with the duty at (b) to prevent the escape of waste.

3. Predicted waste item

Type of waste	EWC Codes	m3 / tonnes	Waste carrier / Treatment
Inert Waste			
Brick / block debris	17-01-02	40m2	Skip removal from site, re cycled at transfer station
Concrete		0.5 tonnes	
Mortar waste		0.5tonnes	
Non Hazardous Waste			
Metal products	17-04-07		As above
Timber products	17-02-01		
Cardboard/ packaging	17-02-06		
Ceiling tiles			
Vinyl flooring			
Hazardous Waste			
Asbestos containing materials			Removed by licensed specialist contractor
Paint products	25-01-10		
Plasterboard	17-08-02		

4. Waste Minimisation - The following actions have been taken to minimise and maximise recycle rates:-

Action	Responsibility	Detail
Segregation of recyclable materials	Demolition contractor	Use of separate skips for wood and metal products

In addition to the above, is other means by which we are intending preventing and minimising wastage on site are:-

- Have suitable locations for the storage of materials been identified?

Yes within chemistry building

- Have sub-contractors storage requirements been considered?

Yes but very limited storage space on site, materials will be delivered as required by the programme schedule and incorporated into the works. Some dry storage involved in plant room area.

- Will there be sufficient access to remove materials without damage?

Yes with care

- Could racking be used to reduce storage area size and damage to materials?

N/A

- Are there sufficient, suitable dry storage areas within the building, or will additional dry storage areas be required?

Suitable areas within building

- Has the purchasing department been contacted to discuss ways in which suppliers can eliminate unnecessary packaging?

Discussions have taken place with furniture suppliers who potentially have large amount of packaging materials, agreement reached whereby this will kept to a minimum.
Beard will research pallet re cycling company to collect pallets from site rather than use skips for disposal

Materials Requiring Dry Storage	Location/Method
Furniture	Delivery direct to construction area within existing building
Mechanical and electrical goods	
Plasterboard	
Doors	
Ceiling tiles	
Fittings and fixtures	
Floor coverings	
Specialist benching, lab equipment	

5. Waste Segregation on site.

This will not be carried out on site, but will be carried out by the waste carrier. Records will be sent to the Beard procurement department and will be reviewed on site at internal site meeting & during site safety & environmental inspections.

6. Waste Management Packages:-

Name ALL waste licensed carriers on this project:

Refer to Appendix A for waste transfer licence and notes etc. Carriers registration & license / permit for the site the waste is going to.

7. Monthly waste Report:-

Date	Waste Type EWC Code	Quantity / tonnes /M ³	Destination	Carrier /Treatment
17 th May 13	17-09-04	Total 6.84 Tonnes Lawson Demolition	Eversley Hants	R.Collard
14 th June 13	17 09 04	Total 3.26 Tonnes Lawson Demolition	Eversley Hants	R Collard

Early identification of recyclable materials

Review storage facilities on site,

Pre manufacture of some on site joinery and service boxings

Consider and review extent of packaging supplied with specialist fittings and equipment, in particular re-cycling of pallets and plastic protection materials.