



UNIVERSAL DESTINATIONS & EXPERIENCES UK PROJECT

Former Kempston Hardwick Brickworks
and adjoining land, Bedford

Appendix – J Construction Waste Management Plan

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1 INTRODUCTION

1.1 OVERVIEW

- 1.1.1. This Construction Waste Management Plan (CWMP) has been prepared for the CEMP Works. It provides the waste forecast, waste category breakdown and project-specific waste recording arrangements relevant to the CEMP Works.
- 1.1.2. The controlling requirements for waste storage, segregation, handling, removal and legal compliance are set out in **Section I** of the CEMP Main Body. Soil reuse and soil handling are addressed separately through **Section G** and **Appendix I**, and contamination-related controls are addressed through **Section N** of the CEMP Main Body.
- 1.1.3. This CWMP is a live document and may be updated as the CEMP Works progress and waste generation rates, classification and management routes are refined.

2 WASTE FORECASTS

2.1 OVERVIEW

- 2.1.1. A forecast of the principal waste streams expected to be generated by the CEMP Works, together with their likely management routes, is provided in **Table 2-1**. The values are order-of-magnitude estimates based on the current understanding of the CEMP Works and may change as ground conditions, final design, waste classification and reuse opportunities are confirmed during delivery.
- 2.1.2. Actual waste arisings, movements and diversion performance will be measured and recorded during the CEMP Works.

EXCAVATION

- 2.1.3. Earthwork activities required as part of the CEMP Works will generate excavated soils (including topsoils and subsoils). In some areas, excavation may also encounter made ground materials such as concrete, bricks and other inert waste materials. The presence, extent and classification of any such materials will be confirmed as works progress and managed in accordance with the CEMP controls for segregation, testing (where required) and waste/materials management, including specific requirements for any areas subject to landfill-related controls.

CONSTRUCTION

- 2.1.4. Construction waste will be generated by the CEMP Works due to the complexity of processes, material handling, and CEMP Land conditions. Construction waste generation typically arises from:
 - CEMP Staff – generation of office, canteen and other general waste.

Table 2-1 - Waste Forecast and Management Table

Phase of works	Waste Type	EW Code	Estimated Weight (tonnes)	Management route	Estimated Diversion from landfill (%)
Excavation	Soil and stones	17 05 04	568,100	Reuse on CEMP Land or disposed to landfill	Will range from 100% (if reused onsite) or 0% (if taken to landfill)
	Soil (hazardous)	17 05 03*	122,000	Managed in accordance with the applicable contamination, classification and legal controls; subject to testing and suitability, reused on the CEMP Land where lawful and appropriate, or removed to an appropriately permitted facility.	
Construction	Mixed inert (bricks, tiles, concrete, other)	17 01 07	5000	Reused on CEMP Land under the Aggregates Protocol	100%
	Metals	17 04 07	400	Sent to a recycling facility	100%
	Packaging materials	15 01 06	20	Sent to a recycling facility	100%
	Canteen/Office/Ad hoc waste	20 03 01	100	Sent to a transfer station	100%
	Hazardous waste	17 09 03*	1000	Sent to landfill	0
	Mixed construction and/or demolition waste	17 09 04	100	Sent to a transfer station	98%
Total			696,720		

3 WASTE MANAGEMENT

3.1 WASTE SEGREGATION AND STORAGE

- 3.1.1. The controlling requirements for waste storage, segregation, handling and removal are set out in **Section I** of the CEMP Main Body. This Appendix provides the waste category breakdown and the project-specific storage / segregation arrangements relevant to the CEMP Works.
- 3.1.2. Skips for segregation of waste will include, but not necessarily be limited to, the following. Where it is possible to segregate further, by waste type (for example, segregating inert plastics, concrete and brick), this will be considered:
- Mixed inert;
 - Mixed non-hazardous;
 - Hazardous;
 - Metals;
 - Wood;
 - Food;
 - Paper, cardboard, and glass; and
 - Waste electronic and electrical equipment.
- 3.1.3. The detailed controls for waste storage, segregation, pollution prevention and handling are set out in **Section I** of the CEMP Main Body. For the purposes of the CEMP Works, waste streams will be segregated wherever reasonably practicable into the categories listed above, with appropriate containers / skips and storage arrangements provided to support the forecast management routes in **Table 2-1**.

3.2 WASTE MOVEMENTS

- 3.2.1. Waste movements associated with the CEMP Works will be undertaken in accordance with **Section I** of the CEMP Main Body and applicable waste legislation. This section sets out the project-specific record-keeping and verification requirements relevant to the CEMP Works.
- 3.2.2. All waste producers are legally obligated to record details of the nature and quantity of waste generated. Waste Transfer Notes (WTNs) for the transfer of non-hazardous waste, or Hazardous Waste Consignment Notes (HWCNs) where the waste is hazardous, contain this information and must be completed in accordance with the Environmental Protection Act 1990.
- 3.2.3. All Waste Transfer Notes (WTNs) will be retained for at least two years with other required waste documentation. All Hazardous Waste Consignment Notes (HWCNs) will be retained for at least three years and, where applicable, supported by confirmation of receipt from the authorised receiving facility (i.e. the consignee return).
- 3.2.4. Where liaison with the Environment Agency is required (for example in connection with permits, exemptions or incident response), this will be undertaken through the Contractor's Environmental Manager and the Site Controller governance arrangements, as necessary, to ensure that waste and materials on the CEMP Land are managed in accordance with applicable legal requirements prior to and during the CEMP Works

- 3.2.5. The Contractor will ensure that any third parties engaged to transport or receive waste from the CEMP Land are appropriately authorised (including registration as a waste carrier where applicable) and that waste movements comply with applicable waste legislation.
- 3.2.6. The following actions and principles will be adopted by the Contractor:
- All movement of waste will be undertaken in accordance with applicable waste regulations;
 - Any waste transported off the CEMP Land will be carried by an appropriately registered waste carrier;
 - A Waste Transfer Note (WTN) (non-hazardous waste) or Hazardous Waste Consignment Note (HWCN) (hazardous waste) will be completed before the waste leaves the CEMP Land and retained in accordance with statutory requirements;
 - Before waste is permitted to leave the CEMP Land, the Contractor will obtain assurance that the receiving facility is appropriately authorised/licensed to accept the waste; and
 - Vehicles transporting waste will be suitably secured to prevent waste escaping during transit.

4 MEASURING AND REPORTING

- 4.1.1. A log of actual waste movements leaving the CEMP Land will be maintained throughout the CEMP Works and will form the primary project record of waste generated by the CEMP Works. Wherever practicable, verified weights from weighbridge tickets provided by the receiving facility and/or authorised waste carrier will be used to populate the waste log.
- 4.1.2. If material is reused on the CEMP Land, an accurate record of the reused material and its location will also be maintained.