# Site Waste Management Plan

## 41-43 Beaufort Gardens

Knightsbridge  
London

**SITE WASTE MANAGEMENT PLAN (SWMP)**

<table>
<thead>
<tr>
<th>Company</th>
<th>Keltbray</th>
<th>Contract No.</th>
<th>1077</th>
</tr>
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<tbody>
<tr>
<td>Site Address</td>
<td>41-43 Beaufort Gardens Knightsbridge London SW3</td>
<td></td>
<td></td>
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<tr>
<td>Document No.</td>
<td>KB-__1077_SWMP_001</td>
<td>Revision no.</td>
<td>00</td>
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<tr>
<td>Start of Project</td>
<td>26&lt;sup&gt;th&lt;/sup&gt; June 2014</td>
<td>End of Project</td>
<td>8&lt;sup&gt;th&lt;/sup&gt; February 2015</td>
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### Revision History

<table>
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<tr>
<th>Revision No.</th>
<th>Issue Date</th>
<th>Author</th>
<th>Description of Modifications</th>
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<tr>
<td>00</td>
<td>29&lt;sup&gt;th&lt;/sup&gt; June 2014</td>
<td>M. Sedgwick</td>
<td></td>
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<tr>
<td>01</td>
<td>9&lt;sup&gt;th&lt;/sup&gt; October 2014</td>
<td>M. Sedgwick</td>
<td>Including Façade retention &amp; demolition</td>
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<tr>
<td>02</td>
<td>3&lt;sup&gt;rd&lt;/sup&gt; November 2014</td>
<td>M. Sedgwick</td>
<td>Add comments</td>
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### This Revision

<table>
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<th>Position</th>
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<tr>
<td>Site Manager</td>
<td>EM</td>
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<tr>
<td>Environmental Manager</td>
<td>PM</td>
</tr>
<tr>
<td>Project Manager</td>
<td>Site team</td>
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### Status of this Revision

<table>
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<tr>
<th>Overall Approval Status</th>
<th>Yes</th>
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<td>CAT B – Not accepted for implementation. Resubmission required.</td>
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**Date returned to Contractor:**

**SIGN OFF BY (Project Manager):**

<table>
<thead>
<tr>
<th>Print Name</th>
<th>Sign</th>
<th>Date</th>
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</thead>
<tbody>
<tr>
<td>J. McClafferty</td>
<td></td>
<td>2014</td>
</tr>
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1.0 Introduction

The Site Waste Management Plan (SWMP) has been prepared for works to take place at 41-43 Beaufort Gardens site including:

Demolition of Parkes Hotel and retention of the Façade, also underpinning

The Plan is specific to this project and has been prepared in line with DTI guidance for Construction Contractors and Clients and this revision has been updated in line with the Company Site Waste Management Procedures and BREEAM Requirements.

Keltbray will ensure a copy of the plan is kept at the site office at all times and will be available for inspection to those enforcing authorities as required whilst carrying out their duties. Once Keltbray leave/hand over the site then the plan will be handed over to the Client or Principal Contractor and a copy will be held at the company’s head office for a period of two years.

In complying with the company procedures for Site Waste Management, Keltbray and the Client 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, Environmental Protection Act 1990 and the Environmental Protection (Duty of Care) Regulations 1991; and
- Material will be handled efficiently and waste managed appropriately.
- Material reuse, recycling and recovery is maximised where reasonably practicable.
- The Plan will be reviewed, revised and refined as necessary, to ensure that any changes irrespective roles and responsibilities are clearly communicated to those affected.
- Take reasonable steps to ensure that sufficient site security measures are in place to prevent the illegal disposal of waste from the site.

2.0 Responsibilities

Figure 1 overleaf illustrates where waste management responsibilities lie within Keltbray management. Essentially it demonstrates that all personnel, across several departments within Keltbray have a responsibility towards implementing good waste management practice.
2.1 All Employees

- Follow the Waste Hierarchy principles when managing wastes (waste prevention, minimisation, reduction, reuse, recycling, energy recovery and disposal.
- Ensure that all wastes are handled in compliance with the requirements of the Duty of Care Regulations
- Ensure sites are operated so as not to cause pollution of the environment, harm to human health or serious detriment to local amenities.
2.2 Estimating and Planning Department

- Consider the Waste Hierarchy during the tendering stage and/or the site preparation phase.
- Identify any client specific requirements for recycling, re-use, monitoring or reporting and communicate this information to the Operations Director.
- Arrange collection of additional waste information from surveys/assessments and allow time in project schedule for necessary assessments.
- If provided with soil test results, communicate these to the Operations Director and Haulage Manager.
- Confirm waste management responsibilities (including for piling arisings and soil testing) with the client for the overall site development.
- Consult with the Environmental Department to determine suitable waste recovery and/or disposal options for the materials identified in the tender information.
- Collate information regarding waste streams, initial characterisation and estimated waste volumes from the tender information and forward to the Operations Director for inclusion in the Site Waste Management Plan (SWMP).
- Where possible, identify environmental permitting/licensing requirements for Keltbray activities.
- Include key waste management issues in the Project Risk Register.
- Increase client awareness of the need to provide adequate waste information during the tendering.

2.3 Operations Director

- Ultimate responsibility for wastes transferred from site.
- Carry out Pre-Demolition Audit during the tendering or site preparation stage.
- Review the information and waste recovery and/or disposal options provided in the Site Waste Management Plan (types and quantities of waste to be produced) and then forward to the Haulage Manager for the management of the waste.
- Establish if a Site Investigation (SI) has taken place and organise further analysis is required (in consultation with a competent person).
- Ensure all soil analysis information is passed to the Haulage Manager in time to identify suitable waste management facilities.
- Ensure key waste management issues are included in the Project Risk Register.
- Identify time and cost variations between waste treatment and disposal options.
- Communicate waste issues to the Project Team during handover meetings.
- Organise intrusive Site Investigations.
- Give consideration to the carbon emissions generated by each waste treatment / disposal option when selecting suitable waste management approaches.

2.4 Haulage Manager

- Update the Operations Director and Managing Director regularly on waste management costs.
- Identify permitted/licensed waste treatment or disposal options (taking into account any client specific requirements).
- Update the Approved Waste Contractor List.
- Pass soil test results to the waste disposal/treatment facility.
- Organise Waste Acceptance Criteria (WAC) testing.
- Register and de-register project for U1 exemption with Environmental Agency.
- Register sites for Hazardous Waste removal with Environmental Agency.
2.5 Health, Safety and Environment Department

- Oversee intrusive site investigations and Waste Acceptance Criteria (WAC) testing.
- Maintain a list of companies and individuals who can assist with waste management issues (e.g. SIs, laboratories, competent persons for waste analysis etc).

Site management team:

- Operations Director  Andy McClafferty  07711 888 870
- Project Manager      John McClafferty  07957492166
- Site Manager        Mark Sedgwick   07976 833 393

To assist with the implementation of the SWMP the Project Manager, should in particular be concerned with training & communications of sub contractors and appointing trained and competent persons to check skips, vehicles, record waste types and amounts being produced on site.

3.0 Scope of Works & Programme

Scope of the works include, but aren’t limited to the following:

- Underpin 4 elevations
- Façade Retention
- Demolition from 5th to top of basement level

4.0 BREEAM Applications

4.1 Wst 01 Construction waste management

Aims to promote resource efficiency via the effective management and reduction of demolition and construction waste. This approach is split into two parts:

- Construction resource efficiency (3 credits)
- Diversion of resources from landfill (1 credit)

The following is required to demonstrate compliance for:

**Construction resource efficiency**

4.2 Up to three credits
1. **Non-hazardous construction waste (excluding demolition and excavation waste) generated by the building’s design and construction meets or exceeds the following resource efficiency benchmarks:**

<table>
<thead>
<tr>
<th>BREEAM credits</th>
<th>Amount of waste generated per 100m² (gross internal floor area)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>m³</td>
</tr>
<tr>
<td>One credit</td>
<td>≤ 13.3</td>
</tr>
<tr>
<td>Two credits</td>
<td>≤ 7.5</td>
</tr>
<tr>
<td>Three credits</td>
<td>≤ 3.4</td>
</tr>
<tr>
<td>Exemplary Level</td>
<td>≤ 1.6</td>
</tr>
</tbody>
</table>

Note - Volume (m³) is actual volume of waste (not bulk volume)

2. **There is a compliant Site Waste Management Plan (SWMP).**

3. **Where existing buildings on the site will be demolished a pre-demolition audit of any existing buildings, structures or hard surfaces is completed to determine if, in the case of demolition, refurbishment/reuse is feasible and, if not, to maximise the recovery of material from demolition for subsequent high-grade/value applications. The audit must be referenced in the SWMP and cover:**

   a. **Identification of the key refurbishment/demolition materials.**

   b. **Potential applications and any related issues for the reuse and recycling of the key refurbishment and demolition materials.**
Diversion of resources from landfill

4.3 One credit (Applicable to all projects)

4. The following percentages of non-hazardous construction and demolition waste (where applicable) generated by the project have been diverted from landfill:

<table>
<thead>
<tr>
<th>BREEAM credits</th>
<th>Type of waste</th>
<th>Volume</th>
<th>Tonnage</th>
</tr>
</thead>
<tbody>
<tr>
<td>One credit</td>
<td>Non demolition</td>
<td>70%</td>
<td>80%</td>
</tr>
<tr>
<td></td>
<td>Demolition</td>
<td>80%</td>
<td>90%</td>
</tr>
<tr>
<td>Exemplary level</td>
<td>Non demolition</td>
<td>85%</td>
<td>90%</td>
</tr>
<tr>
<td></td>
<td>Demolition</td>
<td>85%</td>
<td>95%</td>
</tr>
</tbody>
</table>

5. There is a compliant Site Waste Management Plan (SWMP)

6. Waste materials will be sorted into separate key waste groups see Table - 28 (according to the waste streams generated by the scope of the works) either onsite or offsite through a licensed contractor for recovery.
4.4 Exemplary level criteria

The following outlines the exemplary level criteria to achieve an innovation credit for this BREEAM issue:

7. Non-hazardous construction waste generated by the building’s design and construction is no greater than the exemplary level resource efficiency benchmark (outlined in the above table).

8. The percentage of non-hazardous construction and demolition waste (if relevant) diverted from landfill meets or exceeds the exemplary level percentage benchmark (outlined in the above table).

9. All key waste groups are identified for diversion from landfill in the pre-construction stage SWMP.

5.0 Estimated Waste Types and Quantities

A Pre-Demolition Audit has been carried out by Site Management Team Mark Sedgwick to:

- Identify each waste type to be produced throughout the course of the project
- Estimate the quantity of each different waste type expected to be produced; and
- Identify the waste management action proposed for each different waste type, including re-using, recycling, recovery and disposal.

The Pre-Demolition Audit has been attached, see appendix A

6.0 Waste Management Options

For each waste type this plan identifies what waste management action is proposed and what targets have been set. This information is split into inert, non-hazardous and hazardous waste. The waste management, removal and disposal from site options are set out in Appendix A1.

7.0 Waste minimisation

Keltbray is aware of its obligations under the Environmental Protection Act 1990 and Hazardous Waste (England & Wales) Regulations 2005, and will not only comply with these regulations, but will actively look at waste reduction through re-cycling and using alternatives.

The works shall be carried out in such a way that, as far as is reasonably practicable, the amount of spoil and waste to be disposed of is minimised.

The waste streams have been reviewed to identify:

- How the quantity of waste can be eliminated/minimised
- Estimated quantity of waste produced (tonnes)
- How waste should be stored/monitored

The waste hierarchy will be applied throughout the duration of the project as shown on Figure 1. Redundant equipment will be offered to the client to allow for reuse as spares where possible, or responsibly disposed of through authorised routes.
8.0 Waste Monitoring & Recording

All waste leaving site will be recorded by the site ‘Checker’ by way of Waste Transfer Notes (WTN) including relevant SIC codes or Consignment Note (CSN) in the case of hazardous waste. (See WTN GUI_007 and CSN GUI_008 on Keltbray Management System14001)

It is a legal requirement to confirm on all WTN and CSN notes that we have applied the waste hierarchy when transferring waste. This is addressed by a declaration on each waste transfer note or hazardous waste consignment note.

Transfer notes from 28 September 2011 must also include the 2007 Standard Industrial Classification (SIC) code of the person transferring the waste.

The standard hazardous waste consignment note will have been modified and the modified form of note will have to be used from 28 September 2011 (six months after commencement of the regulations) but can be used sooner if you wish. The modified note will contain a declaration in Part D that the waste hierarchy has been applied. You must continue to use the 2003 SIC codes.

Copies of all Waste Transfer Notes (WTN) and Consignment Notes will be kept on site during the duration of the project. On completion WTNs MUST be kept for two years and CSNs MUST be kept for three years as soft copies on Keltbray’s electronic filing system.

Information held on the WTNs or CSNs will be entered onto the ‘Waste Disposal Spread sheet’. This details the waste types and quantities generated on site including information on their final destination. On completion of the project the data will be compared with the estimated waste production data for analysis.

The site will produce and communicate regular Monthly Environmental Report which records the types and quantities of waste produced (Waste Data Sheet) on site and the CO2 emissions arising from site operations such as fuel, electricity, vehicle movements and water consumption (Environmental Worksheet).

If applicable, the project will also report how much water has been discharged / used on site. A copy of the discharge license plus the schedule of conditions will be kept in the site filing system.

On completion of the project the SWMP and all associated documentation will be forwarded to the Client and the new appointed Principal Contractor. A copy of the documents will be archived electronically.
9.0 Waste Carriers & Waste Management Facilities/ Exemptions Records

The Waste Carriers and Final Destination Register (WCFDR) identifies the waste types removed from site, by which carrier and their final destination. This document together with all Waste Carrier’s licenses and Waste Management Licenses/exemptions are held in S:\Common\1.22_Environmental Permits of the Electronic Filing System.

The weekly bulk sheets record the type and amount of waste leaving site. These records are stored in Section Q (Q.9.) of the site electronic filing system. All the above documents shall be made available for inspection on site.

10.0 Training

Every operative on site, including sub contractors will be given training and information on the SWMP as part of their induction. In addition, toolbox talks will be given reinforcing existing training and informing the workforce of the SWMP progress.

The on site-training will include the following topics: -

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

The SWMP will be kept in the site office and be is available for inspection.
Records of training are held in Training folder under Section E_3 of the site electronic filing system.

Keltbray will ensure the works are co-ordinated during the demolition works phase to ensure waste is managed according to the requirements of the SWMP.

11.0 Review of SWMP

The SWMP will be reviewed on a regular basis or in any case not less than every three months. A log will be kept of how often the plan was reviewed together with any outcomes including any deviation of the plan and the reason why. At the end of the project the plan will be reviewed and analysed to produce a comparison between estimated and actual waste production. - see Appendix B for comments.

12.0 Completion Review

Within three months of project completion the plan will be reviewed to: -

- Confirm that the plan was monitored on a regular basis to ensure that work progressed according to the plan and that the plan was updated in accordance with the regulation;
- Comparison of estimated quantities of each waste type against the actual quantities of each waste type generated;
- Details of any deviation(s) from the plan; and
- Estimates of the cost savings that have been achieved by completing and implementing the plan.

A signed copy will be sent to the Client and new Principal Contractor. Signed review records will be logged in Appendix D.
13.0 Appendices

13.1 Appendix A: Pre-Demolition Audit

<table>
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<tr>
<th>Waste Stream</th>
<th>EWC</th>
<th>Recovery Potential</th>
<th>In Situ Quantity</th>
<th>Unit</th>
<th>Demolition Recovered Material Potential</th>
<th>WML or Exempt Facility</th>
<th>Disposal to Landfill</th>
<th>Total Waste (tonnes)</th>
<th>% of total waste</th>
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<tbody>
<tr>
<td>Inert</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Concrete</td>
<td>17.01.01</td>
<td>RCA</td>
<td>150 Tonnes</td>
<td>150</td>
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<td>0</td>
<td>160</td>
<td>160</td>
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<tr>
<td>Hardcore</td>
<td>17.01.07</td>
<td>RA</td>
<td>264 Tonnes</td>
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<td>264</td>
<td>264</td>
<td>20.7</td>
</tr>
<tr>
<td>Soil (Inert)</td>
<td>17.05.04</td>
<td>RA</td>
<td>0 Tonnes</td>
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<td>80%</td>
<td>0</td>
<td>0</td>
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<td>Glass</td>
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<td>Recycling</td>
<td>2.25</td>
<td>2.25</td>
<td>75%</td>
<td>0.75</td>
<td>3</td>
<td>3</td>
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<td></td>
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<tr>
<td>Non-Hazardous</td>
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<tr>
<td>Mixed Waste</td>
<td>17.09.04</td>
<td>Recycling</td>
<td>0 Tonnes</td>
<td>0</td>
<td>50%</td>
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<tr>
<td>Mixed Metals</td>
<td>17.04.07</td>
<td>Scrap</td>
<td>8 Tonnes</td>
<td>8</td>
<td>95%</td>
<td>0</td>
<td>8</td>
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<tr>
<td>Wood</td>
<td>17.02.01</td>
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<td>375</td>
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<td>310</td>
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<td>0</td>
<td>80%</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td></td>
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<td>Ceiling Tiles</td>
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<td></td>
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<tr>
<td>Domestic Waste</td>
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<td>Landfill</td>
<td>0 Tonnes</td>
<td>0</td>
<td>0%</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<td>Hazardous</td>
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<td></td>
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<tr>
<td>Asbestos</td>
<td>17.01.05</td>
<td>Landfill</td>
<td>0 Tonnes</td>
<td>0</td>
<td>0%</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Various Hazardous (Oil)</td>
<td></td>
<td>Other</td>
<td>0 Litres</td>
<td>0</td>
<td>0%</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.0</td>
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<tr>
<td>Soil (Haz)</td>
<td>17.05.03</td>
<td>Other</td>
<td>0 Tonnes</td>
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<td>0%</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0.0</td>
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<tr>
<td>Fluorescent Lights</td>
<td>17.02.04</td>
<td>Other</td>
<td>0.2 Tonnes</td>
<td>0.2</td>
<td>0%</td>
<td>0.2</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Painterboard</td>
<td>17.06.02</td>
<td>Recycling</td>
<td>95.5</td>
<td>95.5</td>
<td>90%</td>
<td>0</td>
<td>95.5</td>
<td>95.5</td>
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<tr>
<td>Total waste removed</td>
<td>1275.3</td>
<td></td>
<td>832.8</td>
<td>0</td>
<td>442.5</td>
<td>1275</td>
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Summary

<table>
<thead>
<tr>
<th>Tonnnes</th>
<th>Net Landfill waste Disposal</th>
<th>% of Total Waste</th>
<th>% of Hazardous Waste to Landfill</th>
</tr>
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<tbody>
<tr>
<td>0</td>
<td>442.5</td>
<td>34.7</td>
<td>20.4</td>
</tr>
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</table>

On site (manual entry) | Off-site (auto entry) | Totals | Percentages (%) |
13.2 Appendix A1 - Waste Carriers & Final Destination Register

<table>
<thead>
<tr>
<th>WASTE CARRIER</th>
<th>WASTE CARRIER REGISTRATION NUMBER</th>
<th>EXPIRY DATE OF REGISTRATION</th>
<th>WASTE CARRIED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keltbray Limited</td>
<td>CB/WE5000SB</td>
<td>17/02/2016</td>
<td>17.05.03</td>
</tr>
<tr>
<td>St Andrews House</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Portsmouth Road</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Esher</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>KT10 9TA</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Primagrange</td>
<td>CB/MP3015DG</td>
<td>17/02/2016</td>
<td>17.05.04</td>
</tr>
<tr>
<td>Sandy Lane</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>St Pauls Cray</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Orpington</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kent</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>BRS 3HY</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>European Metal Recycling</td>
<td>CB/ZE5607KJ</td>
<td>28/08/2014</td>
<td>17.04.07</td>
</tr>
<tr>
<td>Sirius House</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Delta Crescent, Westbrook</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Warrington Cheshire WA5 7NS</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hinkcroft Transport Ltd</td>
<td>EAWML83378</td>
<td>20/11/2002</td>
<td>17.02.01</td>
</tr>
<tr>
<td>Newgate House</td>
<td></td>
<td></td>
<td>17.02.03</td>
</tr>
<tr>
<td>31 London Road</td>
<td></td>
<td></td>
<td>17.02.04</td>
</tr>
<tr>
<td>Croydon Surrey CR0 3PF</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Econmic Skips Limited</td>
<td>CB/RP3899MS</td>
<td>17/05/2016</td>
<td>As above</td>
</tr>
<tr>
<td>Mercury Way</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>London</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SE14 5RR</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FINAL DESTINATION WASTE SITE</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Keltbray Environmental Mohawk Wharf</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Keltbray AWS, Bradfield Rd, Silvertown, London, E16 2AX</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>As above</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>As above</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>EMR Canning Town</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>29 Bidder Street</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>London E16</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hinkcroft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ingrebourne links</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rainham</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
13.3 Appendix B: Reviews of SWMP

<table>
<thead>
<tr>
<th>DATE</th>
<th>NAME OF REVIEWER</th>
<th>OUTCOME / ACTION CARRIED OUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>26/06/2014</td>
<td>Mark Sedgwick</td>
<td></td>
</tr>
<tr>
<td>03/11/2014</td>
<td>Claire Fundrey</td>
<td>Include Façade retention &amp; Demolition</td>
</tr>
</tbody>
</table>
### 13.4 Appendix C: Actual Versus Estimated Waste Figures (On project completion).

**Table 1 - ESTIMATED WASTE RECORD - m³ or Tonnes**

<table>
<thead>
<tr>
<th>Waste Type</th>
<th>EWC</th>
<th>Re-used on site</th>
<th>Re-used off site</th>
<th>Recycled on site</th>
<th>Recycled off site</th>
<th>WML or Exempt Facility</th>
<th>Disposal to landfill</th>
<th>Total Waste</th>
<th>% of total waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inert</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Brickwork</td>
<td>17.01.01</td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>264 ton</td>
<td>81.6%</td>
</tr>
<tr>
<td>Ballast</td>
<td>17.05.07</td>
<td>60%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>310 ton</td>
<td>84.8%</td>
</tr>
<tr>
<td>Non - Hazardous</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glass</td>
<td>17.02.02</td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>2 ton</td>
<td>0.9%</td>
</tr>
<tr>
<td>Wood</td>
<td>17.02.01</td>
<td>75%</td>
<td></td>
<td></td>
<td>25%</td>
<td></td>
<td></td>
<td>450 ton</td>
<td>9.5%</td>
</tr>
<tr>
<td>Metal</td>
<td>17.04.07</td>
<td>95%</td>
<td></td>
<td></td>
<td>5%</td>
<td></td>
<td></td>
<td>2 ton</td>
<td>0.8%</td>
</tr>
<tr>
<td>Floor Tiles</td>
<td>17.02.02</td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
<td>0.04%</td>
</tr>
<tr>
<td>Ceiling Tiles</td>
<td>17.02.02</td>
<td>100%</td>
<td></td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
<td>N/A</td>
<td>0.05%</td>
</tr>
<tr>
<td>Flo Lights</td>
<td>17.02.04</td>
<td>100%</td>
<td></td>
<td></td>
<td>100%</td>
<td></td>
<td></td>
<td>N/A</td>
<td>0.1%</td>
</tr>
<tr>
<td>Plasterboard</td>
<td>17.02.03</td>
<td>95%</td>
<td></td>
<td></td>
<td>5%</td>
<td></td>
<td></td>
<td>90 ton</td>
<td>0.9%</td>
</tr>
<tr>
<td>Hazardous</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>asbestos</td>
<td>17.01.05</td>
<td>100%</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>N/A</td>
<td>6.1%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>
13.5 Appendix C1 – Actual Waste Quantities (m³ or Te) (On project completion).

<table>
<thead>
<tr>
<th>Waste Type</th>
<th>EWC</th>
<th>Re-used on site</th>
<th>Re-used off site</th>
<th>Recycled on site</th>
<th>Recycled off site</th>
<th>WML or Exempt Facility</th>
<th>Disposal to landfill</th>
<th>Total Waste</th>
<th>% of total waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inert</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
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</tr>
<tr>
<td>Non - Hazardous</td>
<td></td>
<td></td>
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<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Hazardous</td>
<td></td>
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<tr>
<td>Total</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Differences</td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
13.6 Appendix D: Completion Review

We, Keltbray and the Client, confirm that the plan has been monitored on a regular basis to ensure that work was progressing to the plan and the plan was updated.

Signature

Print Name

Date

This stage is designed to help you evaluate the success of your SWMP, and to identify key ‘lessons learnt’ to use on your future projects, it is helping you strive for continual improvement

Please explain any deviation from the original plan:

Please review how successful you believe the implementation of the SWMP was:

Actions planned for next project:
This plan should be kept on the electronic filing system for at least 2 years.
## Appendix E: Building Audit & Cost Benefit Analysis (On project completion)

<table>
<thead>
<tr>
<th>Waste Type</th>
<th><strong>Landfill</strong></th>
<th><strong>Re-use / Recovery</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Cost of Demolition (Labour, Plant, etc)</td>
<td>Reprocessing Costs (Including haulage etc)</td>
</tr>
<tr>
<td></td>
<td>Cost (Haulage, Gate Fee, Tax, etc)</td>
<td>Total Cost</td>
</tr>
</tbody>
</table>
13.8 Appendix F: Regulations - Environmental Protection Act 1990, Section 34 & Environmental Protection (Duty of Care) Regulations 1991

Environmental Protection Act 1990, Section 34

34 Duty of care etc. as respects waste

(1) Subject to subsection (2) below, it shall be the duty of any person who imports, produces, carries, keeps, treats or disposes of controlled waste or, as a broker, has control of such waste, to take all such measures applicable to him in that capacity as are reasonable in the circumstance —

(a) to prevent any contravention by any other person of section 33 above;
(b) to prevent the escape of the waste from his control or that of any other person; and
(c) on the transfer of the waste, to secure—

(i) that the transfer is only to an authorised person or to a person for authorised transport purposes; and
(ii) that there is transferred such a written description of the waste as will enable other persons to avoid a contravention of that section and to comply with the duty under this subsection as respects the escape of waste.

(2) The duty imposed by subsection (1) above does not apply to an occupier of domestic property as respects the household waste produced on the property.

(3) The following are authorised persons for the purpose of subsection (1)(c) above—

(a) any authority which is a waste collection authority for the purposes of this Part;
(b) any person who is the holder of a waste management license under section 35 below or of a disposal license under section 5 of the Control [1974 c. 40.] of Pollution Act 1974;
(c) any person to whom section 33(1) above does not apply by virtue of regulations under subsection (3) of that section;
(d) any person registered as a carrier of controlled waste under section 2 of [1989 c. 14.] the Control of Pollution (Amendment) Act 1989;
(e) any person who is not required to be so registered by virtue of regulations under section 1(3) of that Act; and
(f) a waste disposal authority in Scotland.

(4) The following are authorised transport purposes for the purposes of subsection (1)(c) above—

(a) the transport of controlled waste within the same premises between different places in those premises;
(b) the transport to a place in Great Britain of controlled waste which has been brought from a country or territory outside Great Britain not having been landed in Great Britain until it arrives at that place; and
(c) the transport by air or sea of controlled waste from a place in Great Britain to a place outside Great Britain; and “transport” has the same meaning in this subsection as in the Control of Pollution (As Amendment) Act 1989.

(5) The Secretary of State may, by regulations, make provision imposing requirements on any person who is subject to the duty imposed by subsection (1) above as respects the making and retention of documents and the furnishing of documents or copies of documents.

(6) Any person who fails to comply with the duty imposed by subsection (1) above or with any requirement imposed under subsection (5) above shall be liable—
   (a) on summary conviction, to a fine not exceeding the statutory maximum; and
   (b) on conviction on indictment, to a fine.

(7) The Secretary of State shall, after consultation with such persons or bodies as appear to him representative of the interests concerned, prepare and issue a code of practice for the purpose of providing to persons practical guidance on how to discharge the duty imposed on them by subsection (1) above.

(8) The Secretary of State may from time to time revise a code of practice issued under subsection (7) above by revoking, amending or adding to the provisions of the code.

(9) The code of practice prepared in pursuance of subsection (7) above shall be laid before both Houses of Parliament.

(10) A code of practice issued under subsection (7) above shall be admissible in evidence and if any provision of such a code appears to the court to be relevant to any question arising in the proceedings it shall be taken into account in determining that question.

(11) Different codes of practice may be prepared and issued under subsection (7) above for different areas.
Environmental Protection (Duty of Care) Regulations: 1991 No. 2839

ENVIRONMENTAL PROTECTION

The Environmental Protection (Duty of Care) Regulations 1991

Made 16th December 1991
Laid before Parliament 17th December 1991
Coming into force 1st April 1992

The Secretary of State for the Environment as respects England, the Secretary of State for Wales as respects Wales and the Secretary of State for Scotland as respects Scotland, in exercise of the powers conferred on them by section 34(5) of the Environmental Protection Act 1990[1] and of all other powers enabling them in that behalf, hereby make the following Regulations:

Citation, Commencement and Interpretation

(1) These Regulations may be cited as the Environmental Protection (Duty of Care) Regulations 1991 and shall come into force on 1st April 1992.

(2) In these Regulations- “the 1990 Act” means the Environmental Protection Act 1990;

“transferor” and “transferee” mean respectively, in relation to a transfer of controlled waste by a person who is subject to the duty imposed by section 34(1) of the 1990 Act, the person who in compliance with that section transfers a written description of the waste and the person who receives that description.

Transfer Notes

(1) The transferor and the transferee shall, at the same time as the written description of the waste is transferred, ensure that such a document as is described in paragraph (2) (“a transfer note”) is completed and signed on their behalf.

(2) A transfer note shall-

(a) identify the waste to which it relates and state-
   (i) its quantity and whether on transfer it is loose or in a container;
   (ii) if in a container, the kind of container; and
   (iii) the time and place of transfer;

(b) give the name and address of the transferor and the transferee;

(c) state whether or not the transferor is the producer or importer of the waste and, if so, which;

(d) if the transfer is to a person for authorised transport purposes, specify which of those purposes; and

(e) state as respects the transferor and the transferee which, if any, of the categories of person shown in column 1 of the following Table describes him and provide any relevant additional information specified in column 2 of the Table.
### Category of person

<table>
<thead>
<tr>
<th>Category of person</th>
<th>Additional information</th>
</tr>
</thead>
<tbody>
<tr>
<td>An authority which is a waste collection authority for the purposes of Part II of the 1990 Act.</td>
<td>If the waste is to be kept, treated or disposed of by that person, the relevant licence number and the name of the licensing authority.</td>
</tr>
<tr>
<td>A person who is the holder of a waste management licence under section 35 of the 1990 Act or of a disposal licence under section 5 of the Control of Pollution Act 1974[2]</td>
<td></td>
</tr>
<tr>
<td>A person to who section 33(1) of the 1990 Act does not apply by virtue of regulations under subsection (3) of that section.</td>
<td></td>
</tr>
<tr>
<td>A person registered as a carrier of controlled waste under section 2 of the Control of Pollution (Amendment) Act 1989[3]</td>
<td>The name of the waste regulation authority with whom he is registered and his registration number.</td>
</tr>
<tr>
<td>A person who is not required to be so registered by virtue of regulations under section 1(3) of that Act.</td>
<td></td>
</tr>
<tr>
<td>A waste disposal authority in Scotland.</td>
<td></td>
</tr>
</tbody>
</table>

### Duty to keep copies of written descriptions of waste and transfer notes

The transferor and the transferee shall each keep the written description of the waste and the transfer note or copies thereof for a period of two years from the transfer of the controlled waste.

### Duty to furnish documents

A person who has been served by a waste regulation authority with a notice in writing specifying or describing any document and requiring its production shall, if the document is one which at that time he is under a duty to keep under regulation 3, furnish the authority with a copy of it at the authority's office specified in the notice and within the period (not being less than 7 days) so specified.
### Appendix G – Exemptions, The Env. Permitting (England & Wales) Regs 2010

<table>
<thead>
<tr>
<th>New Exemption Reference</th>
<th>Description</th>
<th>2007 EP Regs Exemption</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Use of waste</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>U1</td>
<td>Use of waste for construction</td>
<td>Para 9</td>
<td>Land reclamation or improvement</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Para 19</td>
<td>Waste for construction</td>
</tr>
<tr>
<td>U2</td>
<td>Use of baled tyres in construction</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U3</td>
<td>Use of construction waste for exhibits etc</td>
<td>Para 19</td>
<td>Waste for construction</td>
</tr>
<tr>
<td>U4</td>
<td>Burning of waste as a fuel in a small plant</td>
<td>Para 5</td>
<td>Burning waste as a fuel in an exempt appliance</td>
</tr>
<tr>
<td>U5</td>
<td>Use of biodiesel derived from waste</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U6</td>
<td>Use of sludge for the purposes of re-seeding a waste water treatment plant</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U7</td>
<td>Use of effluent to clean a highway gravel bed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U8</td>
<td>Use of waste for a specified purpose</td>
<td>Para 15</td>
<td>Beneficial use of waste</td>
</tr>
<tr>
<td>U9</td>
<td>Use of waste to manufacture finished goods</td>
<td>Para 14</td>
<td>The manufacture of finished goods from waste</td>
</tr>
<tr>
<td>U10</td>
<td>Spreading waste on agricultural land to confer benefit</td>
<td>Para 7</td>
<td>Waste for the benefit of land</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Para 36</td>
<td>Spreading of dredgings</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Para 47</td>
<td>Treating land by the spreading of agricultural waste (milk)</td>
</tr>
<tr>
<td>U11</td>
<td>Spreading waste on non-agricultural land to confer benefit</td>
<td>Para 7</td>
<td>Waste for the benefit of land</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Para 9</td>
<td>Land reclamation or improvement</td>
</tr>
<tr>
<td>U12</td>
<td>Use of mulch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U13</td>
<td>Spreading of plant matter to confer benefit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U14</td>
<td>Incorporation of ash into soil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U15</td>
<td>Pig and poultry ash</td>
<td></td>
<td></td>
</tr>
<tr>
<td>U16</td>
<td>Use of depolluted end-of-life vehicles for vehicle parts</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Treatment of waste</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>T1</td>
<td>Cleaning, washing, spraying or coating relevant waste</td>
<td>Para 4</td>
<td>Cleaning, washing, spraying or coating of waste packaging and containers</td>
</tr>
<tr>
<td>T2</td>
<td>Recovery of textiles</td>
<td>Para 20</td>
<td>Laundering or cleaning waste textiles</td>
</tr>
<tr>
<td>T3</td>
<td>Treatment of waste metals and</td>
<td>Para 44</td>
<td>Heating metals and metal</td>
</tr>
<tr>
<td>New Exemption Reference</td>
<td>Description</td>
<td>2007 EP Regs Exemption</td>
<td>Description</td>
</tr>
<tr>
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<tr>
<td>T4</td>
<td>Preparatory treatments (baling, sorting, shredding etc)</td>
<td>Para 11</td>
<td>Treatment of waste for the purpose of recovery</td>
</tr>
<tr>
<td>T5</td>
<td>Screening and blending of waste</td>
<td>Para 13</td>
<td>Manufacture and treatment of construction materials and timber products Chipping, shredding, cutting or pulverising of waste plant matter.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Para 21</td>
<td></td>
</tr>
<tr>
<td>T6</td>
<td>Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising</td>
<td>Para 21</td>
<td>Chipping, shredding, cutting or pulverising of waste plant matter</td>
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<tr>
<td>T7</td>
<td>Treatment of waste bricks, tiles and concrete by crushing, grinding or reducing in size</td>
<td>Para 24</td>
<td>Crushing, grinding or size reduction of bricks, tiles and concrete</td>
</tr>
<tr>
<td>T8</td>
<td>Mechanical treatment of end-of-life tyres</td>
<td></td>
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<tr>
<td>T9</td>
<td>Recovery of scrap metal</td>
<td>Para 45</td>
<td>Recovery of scrap metal or the dismantling of waste motor vehicles</td>
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<tr>
<td>T10</td>
<td>Sorting mixed waste</td>
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<tr>
<td>T11</td>
<td>Repair or refurbishment of WEEE</td>
<td>Para 40</td>
<td>Repair or refurbishment of WEEE</td>
</tr>
<tr>
<td>T12</td>
<td>Manual treatment of waste</td>
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<td>T13</td>
<td>Treatment of waste food</td>
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<tr>
<td>T14</td>
<td>Crushing and emptying waste vehicle oil filters</td>
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<tr>
<td>T15</td>
<td>Treatment of waste aerosol cans</td>
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<td></td>
</tr>
<tr>
<td>T16</td>
<td>Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T17</td>
<td>Crushing waste fluorescent tubes</td>
<td>Para 42</td>
<td>Crushing of waste gas discharge lamps</td>
</tr>
<tr>
<td>T18</td>
<td>Dewatering using flocculants</td>
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<tr>
<td>T19</td>
<td>Physical treatment of waste edible oil and fat to produce biodiesel</td>
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<tr>
<td>T20</td>
<td>Treatment of waste at a water treatment works</td>
<td>Para 10</td>
<td>Sewage and water treatment works</td>
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<tr>
<td>T21</td>
<td>Recovery of waste at a waste water treatment works</td>
<td>Para 10</td>
<td>Sewage and water treatment works</td>
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<td>2007 EP Regs Exemption</td>
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<tr>
<td>T22</td>
<td>Treatment of animal by-product waste at a collection centre</td>
<td>Para 23</td>
<td>Recovery of waste consisting of animal by-products at a collection centre</td>
</tr>
<tr>
<td>T23</td>
<td>Aerobic composting and associated prior treatment</td>
<td>Para 12</td>
<td>Composting waste</td>
</tr>
<tr>
<td>T24</td>
<td>Anaerobic digestion at premises used for agriculture and burning of resultant biogas</td>
<td>Para 12</td>
<td>Composting waste</td>
</tr>
<tr>
<td>T25</td>
<td>Anaerobic digestion at premises not used for agriculture and burning of resultant biogas</td>
<td>Para 12</td>
<td>Composting waste</td>
</tr>
<tr>
<td>T26</td>
<td>Treatment of kitchen waste in a wormery</td>
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<td></td>
</tr>
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<td>T27</td>
<td>Treatment of sheep dip for disposal</td>
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<tr>
<td>T28</td>
<td>Sorting and de-naturing of controlled drugs for disposal</td>
<td></td>
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<tr>
<td>T29</td>
<td>Treatment of non-hazardous pesticide washings by carbon filtration for disposal</td>
<td></td>
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<td>T30</td>
<td>Recovery of silver</td>
<td>Para 22</td>
<td>Recovery of silver from waste printing and photographic wastes</td>
</tr>
<tr>
<td>T31</td>
<td>Recovery of monopropylene glycol from aircraft antifreeze fluids</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T32</td>
<td>Treatment of waste in a biobed or biofilter</td>
<td>Para 16</td>
<td>Biobeds</td>
</tr>
<tr>
<td>T33</td>
<td>Recovery of central heating oil by filtration</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Disposal of waste**

<p>| D1 | Deposit of waste from dredging of inland waters | Para 25 | Deposit of dredgings from inland waterways |
| D2 | Deposit of waste from a railway sanitary convenience | Para 31 | Discharge of sanitary waste from passenger train |
| D3 | Deposit of waste from a portable sanitary convenience | Para 32 | Burial of sanitary waste from removable receptacle |
| D4 | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice | Para 37 | Deposit of agricultural waste consisting of plant tissue at the place of production |
| D5 | Depositing samples of waste for the purposes of testing or analysing them | Para 38 | Deposit or storage of waste samples |
| D6 | Disposal by incineration | Para 29 | Burning of waste in exempt |</p>
<table>
<thead>
<tr>
<th>New Exemption Reference</th>
<th>Description</th>
<th>2007 EP Regs Exemption</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>incinerator at place of production</td>
</tr>
<tr>
<td>D7</td>
<td>Burning waste in the open</td>
<td>Para 30</td>
<td>Burning of waste on open land at place of production</td>
</tr>
<tr>
<td>D8</td>
<td>Burning waste at a port under a Plant Health notice</td>
<td>Para 46</td>
<td>Burning plant tissue waste and wood at a dock</td>
</tr>
<tr>
<td></td>
<td><strong>Storage of waste</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>S1</td>
<td>Storage of waste in secure containers</td>
<td>Para 18</td>
<td>Storage of waste in a secure container</td>
</tr>
<tr>
<td>S2</td>
<td>Storage of waste in a secure place</td>
<td>Para 17</td>
<td>Storage of waste in a secure place</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Para 41</td>
<td>Storage of WEEE pending recovery elsewhere</td>
</tr>
<tr>
<td>S3</td>
<td>Storage of sludge</td>
<td>Para 8</td>
<td>Secure storage of sludge</td>
</tr>
</tbody>
</table>

*Further information can be found on both Simple and Complex Exemptions on the Environment Agency, SEPA and NIEA websites*
### Appendix H - Commonly Used EWC Codes

<table>
<thead>
<tr>
<th>European Waste Catalogue</th>
<th>Description of Waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>17 01 01</td>
<td>concrete</td>
</tr>
<tr>
<td>17 01 02</td>
<td>bricks</td>
</tr>
<tr>
<td>17 01 03</td>
<td>tiles and ceramics</td>
</tr>
<tr>
<td>17 01 06*</td>
<td>mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing dangerous substances</td>
</tr>
<tr>
<td>17 01 07</td>
<td>mixtures of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06</td>
</tr>
<tr>
<td>17 02 01</td>
<td>wood</td>
</tr>
<tr>
<td>17 02 02</td>
<td>glass</td>
</tr>
<tr>
<td>17 02 03</td>
<td>plastic</td>
</tr>
<tr>
<td>17 02 04*</td>
<td>glass, plastic and wood containing or contaminated with dangerous substances</td>
</tr>
<tr>
<td>17 03 01*</td>
<td>bituminous mixtures containing coal tar</td>
</tr>
<tr>
<td>17 03 02</td>
<td>bituminous mixtures other than those mentioned in 17 03 01</td>
</tr>
<tr>
<td>17 03 03*</td>
<td>coal tar and tarred products</td>
</tr>
<tr>
<td>17 04 01</td>
<td>copper, bronze, brass</td>
</tr>
<tr>
<td>17 04 02</td>
<td>aluminium</td>
</tr>
<tr>
<td>17 04 03</td>
<td>lead</td>
</tr>
<tr>
<td>17 04 04</td>
<td>zinc</td>
</tr>
<tr>
<td>17 04 05</td>
<td>iron and steel</td>
</tr>
<tr>
<td>17 04 06</td>
<td>tin</td>
</tr>
<tr>
<td>17 04 07</td>
<td>mixed metals</td>
</tr>
<tr>
<td>17 04 09*</td>
<td>metal waste contaminated with dangerous substances</td>
</tr>
<tr>
<td>17 04 10*</td>
<td>cables containing oil, coal tar and other dangerous substances</td>
</tr>
<tr>
<td>17 04 11</td>
<td>cables other than those mentioned in 17 04 10</td>
</tr>
<tr>
<td>17 05 03*</td>
<td>soil and stones containing dangerous substances</td>
</tr>
<tr>
<td>European Waste Catalogue</td>
<td>Description of Waste</td>
</tr>
<tr>
<td>-------------------------</td>
<td>---------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>17 05 04</td>
<td>soil and stones other than those mentioned in 17 05 03</td>
</tr>
<tr>
<td>17 05 05*</td>
<td>dredging spoil containing dangerous substances</td>
</tr>
<tr>
<td>17 05 06</td>
<td>dredging spoil other than those mentioned in 17 05 05</td>
</tr>
<tr>
<td>17 05 07*</td>
<td>track ballast containing dangerous substances</td>
</tr>
<tr>
<td>17 05 08</td>
<td>track ballast other than those mentioned in 17 05 07</td>
</tr>
<tr>
<td>17 06 01*</td>
<td>insulation materials containing asbestos</td>
</tr>
<tr>
<td>17 06 03*</td>
<td>other insulation materials consisting of or containing dangerous substances</td>
</tr>
<tr>
<td>17 06 04</td>
<td>insulation materials other than those mentioned in 17 06 01 and 17 06 03</td>
</tr>
<tr>
<td>17 06 05*</td>
<td>construction materials containing asbestos</td>
</tr>
<tr>
<td>17 08 01*</td>
<td>gypsum-based construction materials contaminated with dangerous substances</td>
</tr>
<tr>
<td>17 08 02</td>
<td>gypsum-based construction materials other than those mentioned in 17 08 01</td>
</tr>
<tr>
<td>17 09 01*</td>
<td>construction and demolition wastes containing mercury</td>
</tr>
<tr>
<td>17 09 02*</td>
<td>construction and demolition wastes containing PCB (for example PCB-containing sealants,</td>
</tr>
<tr>
<td></td>
<td>PCB-containing resin-based floorings, PCB-containing sealed glazing units, PCB-containing</td>
</tr>
<tr>
<td></td>
<td>capacitors)</td>
</tr>
<tr>
<td>17 09 03*</td>
<td>other construction and demolition wastes (including mixed wastes) containing dangerous</td>
</tr>
<tr>
<td></td>
<td>substances</td>
</tr>
<tr>
<td>17 09 04</td>
<td>mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02</td>
</tr>
<tr>
<td></td>
<td>and 17 09 03</td>
</tr>
</tbody>
</table>

Additional EWC can be obtained from Environmental Agency website

or

Scottish Environmental Protection Agency website

or

Northern Ireland Environmental Agency
13.11 Appendix I - Compliance Guidance Notes – BREEAM

<table>
<thead>
<tr>
<th>Ref</th>
<th>Terms</th>
<th>Description</th>
</tr>
</thead>
</table>
| CN1 | Compliant site waste management plan See criteria 2,3,5 & 9 | A compliant site waste management plan is one that defines:  
1. A target benchmark for resource efficiency i.e. m$^3$ of waste per 100m$^2$ or tonnes of waste per 100m$^2$  
2. Procedures and commitments for minimising non-hazardous waste in line with the benchmark  
3. Procedures for minimising hazardous waste  
4. Procedures for monitoring, measuring and reporting hazardous and non-hazardous site waste  
5. Procedures for sorting, reusing and recycling construction waste into defined waste groups (see additional guidance section), either on site or through a licensed external contractor  
6. The name or job title of the individual responsible for implementing the above |
| CN2 | Diversion from landfill See criteria 4, 8 & 9 | Diversion from landfill includes:  
1. Reusing the material on site (in-situ or for new applications)  
2. Reusing the material on other sites  
3. Salvaging or reclaiming the material for reuse  
4. Returning material to the supplier via a ‘take-back’ scheme  
5. Recovery of the material from site by an approved waste management contractor and recycled or sent for energy recovery. |
| CN3 | Pre-demolition audit See criterion 3 | A pre-demolition audit should be carried out using an appropriate methodology. The ICE has produced guidance on pre-demolition audits, including ‘The Demolition Protocol’ and the Waste Resources Action Programme (WRAP) also provides guidance. |
| CN4 | SWMP See criteria 2,3,5 & 9 | Since April 2008 any construction project in England costing over £300k requires a Site Waste Management Plan. To achieve any of the construction waste management credits the assessed development, regardless of value or locality, must have a SWMP compliant with best practice (see relevant definitions in additional guidance section). |
| CN5 | Multi-residential developments with CSH assessed dwellings See criteria 2,3,5 & 9 | For buildings with self-contained dwellings also being assessed under the Code for Sustainable Homes (CSH), the following applies: The number of credits achieved under the CSH assessment cannot be directly applied to a BREEAM assessment of a multi-residential building due to differences in assessment criteria between the two schemes. Where the credits available for issue Was 2 Construction Site Waste management of the CSH has been achieved, the SWMP is also compliant with the requirements of this issue. However, where the project also includes the demolition of existing buildings/elements, the SWMP will need to comply with the Demolition requirement defined above to qualify for credits. |
| CN6 | Limited site space for segregation and storage See criterion 6 | Where space on site is too limited to allow materials to be segregated, a waste contractor may be used to separate and process recyclable materials off site. Similarly, manufacturers’ take-back schemes could also be used. Where this is the case, sufficient documentary evidence must be produced which demonstrates that segregation of materials is carried out to the agreed levels and that materials are reused/recycled as appropriate. |
| CN7 | Where there is no official external waste contractor licensing scheme | A review must be carried out by the contractor, design team, or client of the waste contractor’s practices to ensure they are in line with the assessment criteria. |
| CN11 | Waste from temporary support structures | Any waste generated on site for the purposes of the development (excluding demolition and excavation waste) must be taken account of in the assessment of this issue. If temporary support structures, or any other materials/system brought on site to facilitate construction of a building, enter the waste stream (albeit for recycling), then they will need to be classified as construction waste and therefore contribute to the construction waste benchmark necessary to facilitate assessment with this issue. If the support structure is reused by the contractor (or by another contractor) on other sites, then it hasn’t been discarded and therefore doesn’t enter the waste stream – thus wouldn’t be included in the waste generated and hence the benchmark figures for this issue. The same would apply to timber formwork where re-used. |
13.12 Schedule of Evidence

<table>
<thead>
<tr>
<th>Ref</th>
<th>Design stage</th>
<th>Post-construction stage</th>
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<tbody>
<tr>
<td>All</td>
<td>A copy of the compliant Site Waste Management Plan and where relevant, a copy of the pre-demolition audit AND/OR Relevant section/clauses of the building specification or contract AND/OR A letter from the client or their representative Where relevant for multi-residential buildings: Evidence in line with the Design Stage evidence requirements of the CSH Issue Was 2 OR A copy of the Design Stage CSH certificate and report from the CSH online reporting system confirming the number of credits achieved for CSH Issue Was 2</td>
<td>A copy of the SWMP summary datasheets or equivalent monitoring records/report Where relevant for multi-residential buildings: Evidence in line with the Post Construction Stage evidence requirements of the CSH Issue Was 2 OR A copy of the Post Construction Stage CSH certificate and report from the CSH online reporting system confirming the number of credits achieved for CSH Issue Was 2.</td>
</tr>
</tbody>
</table>

For more information please go to [www.smartwaste.co.uk](http://www.smartwaste.co.uk)