



**Works Procedure
Site Waste Management Plan**

**Project Name: Energy from Waste CHP Facility
Project Number: E0788**

**Reference: E0788/SWMP/Tender
Rev: 001**

Project Information

Client	MVV O&M GmbH			
Principal Contractor				
Project Location				
Project Value (£k)				
Start Date		End Date		
Project Manager				
Person Drafting this Form if different from Project Manager				
Waste Management Coordinator/Champion				
Document Controller				
Project Type and Scope	Please tick relevant scope			
Civil Engineering Projects	Highways: major	<input type="checkbox"/>	Power Generation	<input type="checkbox"/>
	Highways: minor	<input type="checkbox"/>	Harbours and Waterways	<input type="checkbox"/>
	Airports	<input type="checkbox"/>	Water and Sewerage	<input type="checkbox"/>
	Rail	<input type="checkbox"/>		<input type="checkbox"/>
	Other:			

Document Control

Version	Date	Person Responsible for SWMP	Company Position and	Project Stage
001	21/01/2011	E Mason	KCL Env Advisor	Tender
002	22/03/2011	E Mason	KCL Env Advisor	Planning



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Declaration

The person in charge of the project and the principal contractor will take all responsible steps to ensure that -

a) all waste from the site is dealt with in accordance with the waste duty of care in section 34 of the Environmental Protection Act 1990 and the Environmental Protection (Duty of Care) Regulations 1991 and: b) materials will be handled efficiently and waste managed appropriately

Person in charge of Project (Client)

Signed by	
Print Name	
Organisation	
Position	
Date	

Principal Contractor

Signed by	
Print Name	
Organisation	
Position	
Date	

Identified Sub-Contractors

Company Name	Name	Signature	Date

(Add rows if required)

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1. Introduction

1.1 Scope

This Waste Management Plan outlines procedures under the Waste Management Plans Regulations 2008. The plan also outlines the procedures under the environmental management system for this contract and forms part of the Construction Phase Plan. It describes the control and reporting process to be followed by Kier Construction and their subcontractors.

1.2 Intent

This document will set out the process for identifying potential materials available within the site and also the residual Waste streams which will be identified and materials segregated. Where KCL has custody of waste materials to be sent off site this will be in accordance with the "Duty of Care" and spot checks will be made on carriers and disposal facilities.

This document is a draft for Tender Purposes only and will be duly updated. Kier Construction Waste Management Plans are completed for live projects on the BRE SMARTWaste Plans website. All expectations for waste reuse, recycling and actual figures will be maintained on that system throughout the duration of the project. All sites will ensure that a target of no more than 25% waste should be sent to landfill on any project. Where onsite reprocessing is undertaken, all onsite movements should be logged and amount of materials reused input onto the SMARTWaste plan.

Each site will nominate a minimum of one person to input data onto the SMARTWaste Plan at least weekly. This will be routinely checked by site management and through waste audits.

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	TENDER/DESIGN SRMP	Comments	Savings/Action date
	Has re-use of materials from excavation been utilized in design?	Yes – the majority of excavated material will be re-used as fill wherever practical	
	Has a pre demolition audit been carried out?	n/a	
	Has the design considered use of demolition material identified in the audit?	n/a	
	Have standard components sizes been utilized within the design?	n/a – design development ongoing	
	Has the design any reclaimed products within it?	n/a – design development ongoing	
	Has full consideration been given to the use of secondary and recycled materials? Including standard blocks etc.	n/a – design development ongoing	
	Is unwanted packaging to be returned to the supplier for recycling or re-use?	Yes, request will be made to all suppliers	
	Has a project programme been developed to include likely waste arisings (how much, when, and what types)?	yes	
	Can unused materials be returned to purchaser or used on another job?	Yes, request to be made to all suppliers. Surplus goods to be input onto company Resource Register on kierdoc	
	Has an area of the site been designated for resource management, including segregation of waste?	Yes, a specific area is to be identified for waste management	
	Has an area been identified for disposal of liquid wastes such as wash-down water	Yes TBC	

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	and lubricants		
	Assign responsibility for waste management planning and compliance with environmental legislation to a named individuals working for the main contractor and identified sub-contractors?	Onsite Environmental/Waste Champion will be assigned. Name to be confirmed and completed on the BRE SMART-Waste Plan	
	Put measures in place to deal with expected (and unexpected) hazardous waste.	All waste to be appropriately handled and stored, specialised storage will be provided for hazardous wastes.	
	Where relevant, obtain discharge consent from the Environment Agency.	Allowance for appropriate timescales as per Environmental Permitting Regulations.	
	Has agreement been sought from the sewerage company for trade effluent discharge?	Liaison with South West Water	
	Do any of the planned waste activities require a waste management license or an exemption to be registered?	TBC	
	Identify the most appropriate sites for disposal of residual waste (non-hazardous and hazardous) from the project?	TBC	
	CONSTRUCTION PHASE		
	Client acceptance of the Site Resource Management Plan if appropriate.	TBC	
	Training of sub-contractors producing significant waste steams.	Yes – TBTs to be undertaken with all subcontractors & KCL employees	
	Sub-contractors sign the Site Resource Management Plan.	Will be part of all S/Cs	

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	Identify further opportunities for re-use of materials on-site	Where possible, reuse of materials will be undertaken on site.	
	Identify further opportunities for re-use of materials off-site	n/a – intention to re-use all suitable material on site	
	Identify further opportunities for on-site processing and re-use of materials.	Onsite processing of waste can be undertaken with appropriate licences in place	
	Identify opportunities for reprocessing materials off-site.	TBC	
	Identify opportunities for reducing disposal costs from waste materials which have a commercial value.	Scrap metal to merchants	
	Carry out a careful evaluation of materials so that over-ordering and site wastage is reduced including a review of the website stock.	Storeperson, QS, and site buyers to monitor levels of materials to prevent over ordering	
	Toolbox talks for all site personnel about waste management on-site	To be given on a period of no less than once a month to all site personnel	
	Segregate of waste materials	Individual skips for metals, glass, timber, cardboard to be provided	
	Containers/skips clearly labelled to avoid confusion	Clear signs will be placed on all skips	
	Waste stored securely to prevent any losses, in particular of hazardous substances	Site will use covered skips where appropriate.	
	Monitor waste management procedure	Ongoing monitoring by project management	
	Reports on waste quantities and treatment / disposal routes, and on costs incurred	Waste data to be collated through BRE SMARTWaste	

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2. Control Measures

- 2.1 Kier Construction Ltd will operate in accordance with the requirements of Company procedures and best industry practice.
- 2.2 All reasonable steps are to be taken to ensure:
No unauthorised keeping, deposit or disposal of waste materials
No unauthorised treatment of waste
No escape of waste material
Waste is only transferred to an authorised person
A transfer note is used with a written description of the waste, a description of any hazardous properties and the appropriate code from the List of Wastes
- 2.3 Checks are to be made that both the carrier and receiving facility are licensed (to deal with that particular waste). No waste carrier can be used until these checks have been made and details verified.
- 2.4 Transfer notes are to be kept on-site for the duration of the works and arrangements made for them to be retained for a period of not less than two years. Where a sub-contractor is responsible for the disposal of waste material KCL are to be informed of the location of these records. All WTN's must be checked for correct waste coding by authorised person. Any Waste being moved without a correctly completed WTN must not leave the site.
- 2.5 Waste materials should be segregated by type (List of Waste coding) while temporarily stored prior to disposal. All waste containers must be clearly labelled to avoid confusion.
- 2.6 Hazardous wastes must be identified and kept separately.
They must not be mixed or blended with non-hazardous or inert materials
All Oils are Hazardous
Fuel contaminated soils should be considered as hazardous until proven otherwise
- 2.7 The following are not to be sent to landfill:
Liquids
Explosive, Corrosive, Oxidising or Flammable materials

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Tyres with an outside diameter less than 1400mm

2.8 Training will be given to ensure that all staff are aware of the necessary operating procedures. Ongoing Toolbox talks must be given at least once a month to ensure maximum compliance.

3. Responsibilities

Activity	Sub-Contractor / KCL	Waste Material	Waste Code	Disposal Method	Disposal Arranged By
Site Clearance	KCL	Mixed demolition waste	17 09 04	Dispose of to waste transfer/recycling station	To be completed
Concrete Works	KCL	Concrete overspill/break off	17 01 07	Dispose of to transfer/recycling station.	To be completed
Planings	KCL	Bitumen coated stone	17 03 02	Re-use as Haul road material/Sent to landfill	To be completed
Structural steel and temporary works	KCL	Scrap Ferrous Metal	17 04 05	Re-use as temporary works steel or sell to merchant	To be completed
Drainage and foundation excavation	KCL	Soil and Stones	17 05 04	Re-use on site or to landfill as capping	To be completed
Building Construction	KCL	Gypsum Products	17 08 02	Get manufacturer to take back or landfill as last resort	To be completed
	KCL	Mixed demolition waste	17 09 04	Dispose of to transfer/recycling station	To be completed
Shuttering	KCL	Wood	17 02 01	Dispose of to transfer/recycling station	To be completed
Shuttering	KCL	Plywood/chipboard	17 02 04	Dispose of to transfer/recycling station	To be completed
Bridge Parapet	KCL	Packaging containing residues	15 01 10	Dispose of at facility licensed	To be completed

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Installation		of or contaminated by dangerous substances		for hazardous waste		
Plant maintenance	KCL	Readily biodegradable hydraulic oils	13 01 12	Dispose of at facility licensed for hazardous waste	To be completed	
	KCL	Mineral-based non-chlorinated engine, gear and lubricating oils	13 02 05	Dispose of at facility licensed for hazardous waste	To be completed	
	KCL	Absorbents, filter materials (including oil filters), wiping cloths, protective clothing contaminated by dangerous substances	15 02 02	Dispose of at facility licensed for hazardous waste	To be completed	
Spillages	KCL	Absorbents, wiping cloths & protective clothing contaminated by dangerous substances	15 02 02	Dispose of at facility licensed for hazardous waste	To be completed	



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Site Waste Management Plan data sheet

Project name		Energy from Waste CHP Facility								
Date when this table was completed		21/01/11								
Stage of project (Delete As Necessary)		Outline Construction only								
Report number (projected waste arising should be report 01 etc)		00								
Main contractor		MVV O&M GmbH								
Person and company completing this form		E Mason/J Dean								
Types of waste arising (add more rows if needed):										
Material	Quantity (in m ³) to be reported cumulatively from the start to the finish of the project									
(Delete/Add as necessary)	Total amount	Re-used on site	Re-used off site	Recycled for use on site	Recycled for use off site	Sent to recycling facility	Sent to WML exempt site	Disposal on site	Disposal to landfill (non-hazardous)	Disposal to landfill (hazardous)
Soils/Stones	29900	29900								
Inert	6483	3000				3483				
Concrete	1500					1500				
Office Waste	120					60			60	
General Domestic	500					250			250	
Rebar	100					100				
Scrap metals	150					150				
Oils	2									2

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Epoxy packaging and residue	1									1
Japanese knotweed	1500							1500 ¹		
Timber	75					75				
Totals (m ³)	40331	32900				5618		1500	310	3
Performance score as %										
SWMP target %		100				100			25	100

Section 1	Relevant Waste Licenses and Exemptions (include any other licence/consent such as water discharge or abstraction licence if wished)	
Waste Activity that requires a license or exemption to be notified	Details of licence/exemption if required	Details of how you are meeting the conditions/terms of license or exemption
<i>Eg. Waste Water Deposition</i>		
Section 2	Duty of Care	
Waste Activity	To be completed	

Please feel free to add extra sheets if you wish (e.g. if you wish to include a project site plan showing location of waste management facilities)

¹ Treatment and burial at depth



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4. Emergency Contact Numbers

Name	Position	Company	Contact - Day	Contact - Out of Hours
Emergency Incident Hotline		Environment Agency	0800 807060	
Insert all emergency contact details				