

A Managing Contractor's Perspective



Martin Ballard
Group Environment Manager
Willmott Dixon

About us



3,000



10,000



£1.3 billion



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Sustainable Development

EVERYBODY PLAYS A PART



Putting people
first

EVERYBODY PLAYS A PART



Smarter use of
natural resources



EVERYBODY PLAYS A PART



Responsible
business

EVERYBODY PLAYS A PART



Climate change and
energy efficiency



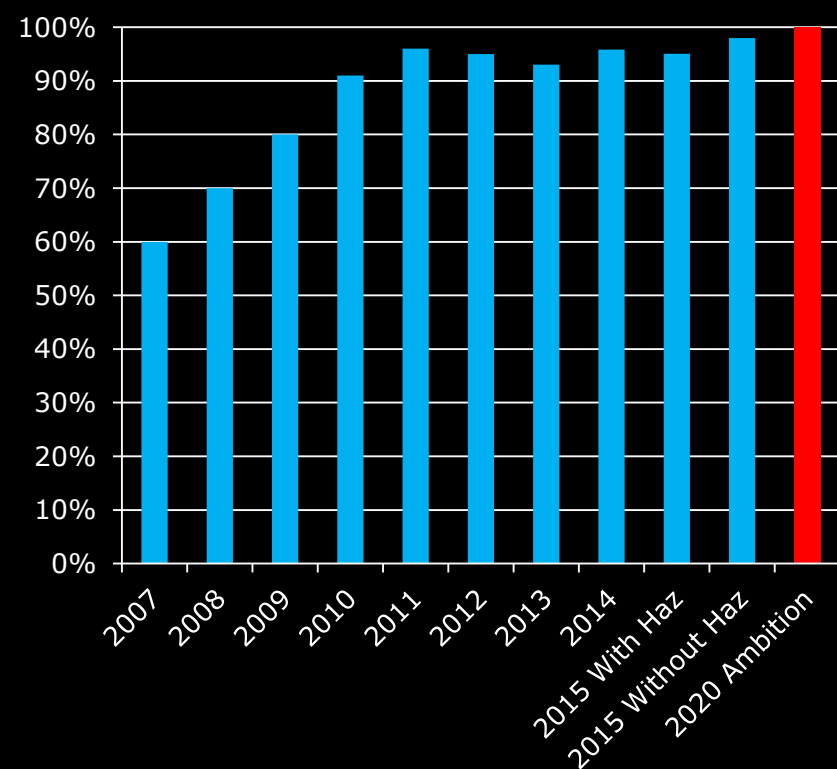
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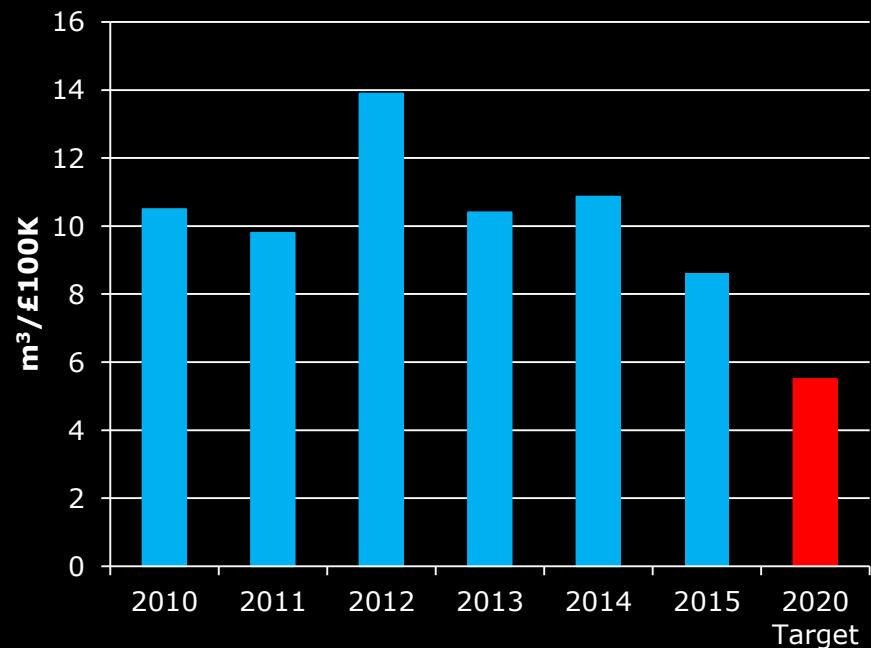
Waste Performance



Diversion from landfill



Construction waste intensity



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Managing Contractor



- 150 sites
- Free issue
- Supply chain packages
- S/C trade exemption



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Challenge and Opportunity



- 97% think complying....
....but lack DoC evidence (legal & commercial docs)
- >33% not sure kept WTNs
- WTN for data
- What are you paying for?



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Sub-Contractor Environmental Conditions

Appendix C6 Oct 2016



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Willmott Dixon Group

Sub-Contractor Environmental Conditions

Appendix C6 Oct 2016

1. PURPOSE: managing environmental threats and mitigating risk

- At Willmott Dixon Group ("WDG") we are committed to delivering high standards of environmental protection and performance for all our customers and the communities in which we operate, and all Sub-contractors are expected to support us in delivering this objective. This commitment is reflected in Willmott Dixon's Group Environmental Policy, reviewed annually and signed by the Group Chief Executive, Rick Willmott.
- This document is designed to specify the Environmental Conditions expected and to promote a positive and responsible attitude towards environmental issues, the threats that we face from environmental changes, as well as the actions needed to mitigate risks associated with our direct or indirect impact upon the environment.
- These Environmental Conditions are not intended to be exhaustive, but must be considered as the minimum standard acceptable to WDG for contracts in our control.
- We have attempted to make the contents specific to our requirements rather than based on legislative rules and regulations, as we feel you should already be aware of your statutory duties under UK Law within your management systems. If you need further help or guidance in this area, we recommend that you contact your designated individual / organisation appointed to provide you with environmental advice.
- WDG are committed to supporting Sub-Contractors towards ISO14001 standards (or an equivalent Environmental Management System EMS) under procurement policy as a duty to our Category A Sub-Contractors to become Category A+.
- These Environmental Conditions underline our commitment to the Considerate Constructors Scheme (CCS) and an active CCS Associate Member. We encourage all Sub-Contractors to consider the benefits of Company Registration.
- Sub-Contractors must bring the content of this document and policies to the attention of all personnel employed or under your control on WDG projects and ensure they are actively complied with. All organisations appointed to work on behalf of WDG are required to work in accordance with these Environmental Conditions.
- WDG is committed to minimising the environmental impact of construction activities. WDG adopt and continually seek to implement improved standards for good practice in resource and material efficiency, reducing waste, avoiding pollution, and increasing the use of recycled and recovered materials.
- WDG seeks your help deliver this commitment; WDG expects all supply chain partners to support our aims and to meet the minimum requirements set out in these Conditions. We are committed to partnering and continued improvement through collaboration: we welcome suggestion on opportunities for more efficient working.

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What is Waste?



"any substance or object that the holder discards, intends to discard, or is required to discard."

Not Waste if...

The material is to be used as part of the development WITHOUT further treatment.



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Waste Types & Landfill Tax

Inert

- Sub soils
- Stone
- Sand
- Concrete
- Glass
- Ceramic
- Brick

Non-Hazardous

- Top soil
- Paper, cardboard
- Wood, metal
- Mixed waste
- Pipe & ducting
- Cable
- Tarmac
- Plasterboard

Hazardous

- Contaminated spoil
- Oils and chemicals
- Used spill kits
- Aerosols
- Batteries
- Lighting tubes
- Asbestos
- Paint tins

Difficult Wastes

Are not hazardous but require particular care & handling techniques

- WEEE
- Invasive Species
- Packaging
- Persistent Organics



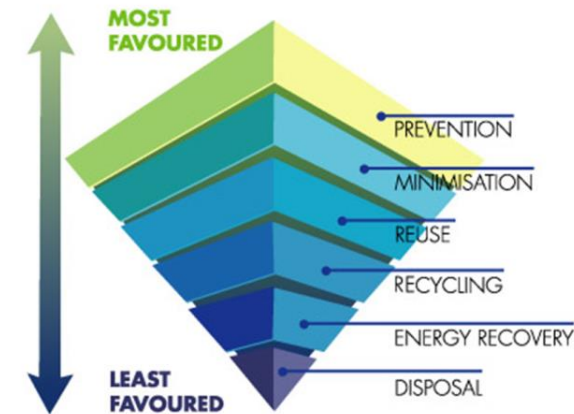
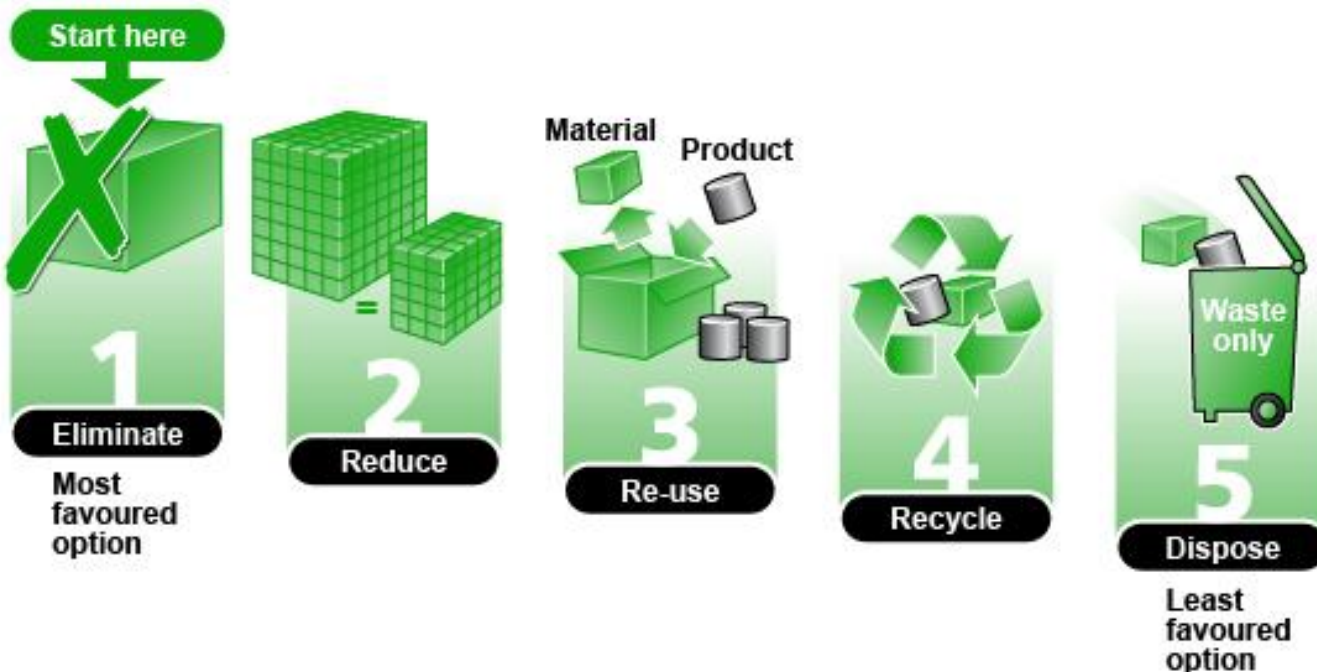
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Waste Hierarchy

- Every day UK plc throws away profit with the waste it produces.
- Despite reduced waste and better recycling, the construction industry generates more than a 3rd of the UK's waste.
- The true cost of a skip being estimated at around £1300

Applying the waste hierarchy helps action at all project phases (design>delivery) and increases resource efficiency and reduces legal liability



Ensure you have correct waste documentation – use of **Waste Card**

- **Waste Classification** (EWC & SIC)
- **Duty of Care** checks – carriers licence & permitted destination site
- **Hazardous Waste Consignment**

Common **Non-Hazardous** Waste Classification (EWC) Codes

02 01 03	Vegetation
08 01 12	Waste paint & varnish not containing solvents or haz substances
15 01 01	Packaging - paper & card
15 01 02	Packaging - plastic
15 01 06	Packaging - mixed
15 01 10	Packaging - adhesive/sealant/paint containers (not containing solvents or haz substances)
17 01 01	Concrete
17 01 02	Bricks
17 01 03	Tiles/ceramics
17 02 02	Glass
17 02 03	Plastic
17 03 02	Bitumen (no coal tar)
17 04 07	Metals
17 05 04	Clean soil and stones
17 06 04	Insulation
17 08 02	Gypsum: Cement/plaster/plasterboard
17 09 04	Mixed Construction Waste
20 01 08	Canteen waste
20 01 11	Textiles
20 01 35	Electrical
20 03 03	Street sweepings
20 03 04	Septic tank
20 03 07	Furniture

Common **Hazardous** Waste Classification (EWC) Codes

08 01 11*	Waste paint & varnish containing solvents or haz substances
13 07 01	Oil & diesel
15 01 11*	Empty adhesive/sealant/paint packaging that contains solvents or haz substances
15 01 11*	Aerosols
15 02 02*	Fuel absorbent granules/pads
16 02 11*	Fridges and other equipment containing CFCs
16 05 04*	Gases in pressure containers containing dangerous substances
17 02 04*	Treated wood
17 03 01*	Bitumen containing coal tar
17 05 03*	Contaminated soil & stone
17 06 05*	Asbestos containing material
20 01 21*	Fluorescent lightbulbs/tubes

*Hazardous

Changes in waste legislation dictates that all COSHH containers with hazardous warning labels must be treated as hazardous waste when discarded, whether contents are wet or dried.

If you will be consigning hazardous waste, please contact your Site Manager or Regional Advisor for more information and advice.



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Standard Industrial Classification (SIC) codes

All waste types (2007 SIC Codes)	SIC description of activity
43110	Demolition contracting
43120	Groundwork contracting
41201	Construction of commercial buildings
41202	Construction of domestic buildings
39000	Asbestos removal work
43210	Electrical contractor (construction)

SIC codes are required under Waste Regulations and are used to determine origin of waste by standard activity, as control under Duty of Care. SIC must be included with EWC code (which states the type(s) of waste produced by the activity) on the Waste Transfer Note.



**EVERYBODY
PLAYS A PART**

Waste Transfer Note *Checklist*

- 1 Written description of the waste with corresponding waste classification code (see overleaf)
- 2 Quantity of waste (e.g. 8 yard/1100 litres)
- 3 Container type (e.g. Skip/Bin)
- 4 Producer's SIC code* (England & Wales only)
- 5 The time and date of transfer
- 6 Waste producer's name and address
- 7 Waste carrier's name and address
- 8 Waste carrier's registration number**
- 9 Name and address of disposer
- 10 Signatures of both the waste producer and waste carrier
- 11 Declaration that the producer has applied the waste management hierarchy

* Standard Industrial Classification code

** Where the carrier is also the disposer, the environmental permit or exemption reference must be provided in England and Wales



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Duty of Care (DoC)

Deal with waste correctly from cradle to grave. **The Duty is to ensure waste is:**

- Properly segregated, stored, contained
- Transported by a **registered waste carrier** (licence valid for 3 years)
- Disposed of at a licenced/permitted disposal site (transfer station or tip)

★ These need to be checked on the Environment Agency website ★

- Waste Transfer Notes completed and retained for 2yrs
- Hazardous Waste Consignment Notes completed and retained for 3yrs



ENVIRONMENT AGENCY ENVIRONMENTAL PROTECTION ACT 1990. WASTE MANAGEMENT LICENCE.

LICENCE NO. -SL 2048

TYPE: -KEEPING/TREATMENT

Duty of care: waste transfer note Keep this page and copy it for future use. Please write as clearly as possible.

Section A - Description of waste

A1 Description of the waste being transferred	A2 How is the waste contained?
<input type="text"/>	Loose <input type="checkbox"/> Sacks <input type="checkbox"/> Skip <input type="checkbox"/> Drum <input type="checkbox"/>
<input type="text"/>	Other <input type="checkbox"/>
A3 How much waste? For example, number of sacks, weight	
<input type="text"/>	

Section B - Current holder of the waste - Transferor

Form HW/CRG/111

The Hazardous Waste Regulations 2005: Consignment Note



PRODUCER'S/HOLDER'S/CONSIGNOR'S COPY (Date as appropriate)

PART A: Notification details 1 Consignment note code: <input type="text"/> 2 The waste described below is to be removed from (name, address, postcode, telephone, e-mail, fax/mobile): <input type="text"/> 3 Permit code (where applicable): <input type="text"/> 4 The waste will be taken to (name, address and postcode): <input type="text"/> 5 The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, fax/mobile): <input type="text"/>															
PART B: Description of the waste 1 The process giving rise to the waste(s): <input type="text"/> 2 WASTE (EN165) before more than one waste type is collected all of the information given below must be completed for each (EN165) identified: <table border="1"> <thead> <tr> <th>Description of waste</th> <th>UN identification number(s)</th> <th>Quantity (kg)</th> <th>The chemical/biological components in the waste and their concentrations are: Component Concentration (% or mg/kg)</th> <th>Physical form (gas, liquid, solid, paste, sludge or risk oil)</th> <th>Hazard code(s)</th> <th>Container type, number and size</th> </tr> </thead> <tbody> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table>		Description of waste	UN identification number(s)	Quantity (kg)	The chemical/biological components in the waste and their concentrations are: Component Concentration (% or mg/kg)	Physical form (gas, liquid, solid, paste, sludge or risk oil)	Hazard code(s)	Container type, number and size	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Description of waste	UN identification number(s)	Quantity (kg)	The chemical/biological components in the waste and their concentrations are: Component Concentration (% or mg/kg)	Physical form (gas, liquid, solid, paste, sludge or risk oil)	Hazard code(s)	Container type, number and size									
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>									
PART C: Consignor's certificate (If more than one carrier is used, please attach schedule for subsequent carriers. If schedule or carriers is attached tick here: <input type="checkbox"/>) I certify that I have collected the consignment and that the details in A2, A3 and B3 are correct and I have been advised of any specific handling requirements. Where this note comprises part of a multiple collection the road number and collection number are: <input type="text"/> / <input type="text"/> 1 Carrier name: On behalf of (name, address, postcode, telephone, e-mail, fax/mobile): <input type="text"/> 2 Carrier registration no./reason for exemption: <input type="text"/> 3 Vehicle registration no. (or mode of transport, if not road): <input type="text"/> Signature: <input type="text"/> Date: <input type="text"/>															
PART D: Consignee's certificate I certify that the information in A2, B3 and C has been completed and is correct, that the carrier is registered or exempt and has submitted the appropriate pre-notification. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements. I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011. 1 Consignee name: On behalf of (name, address, postcode, telephone, e-mail, fax/mobile): <input type="text"/> Signature: <input type="text"/> Date: <input type="text"/>															
PART E: Consignee's certificate before more than one waste type is collected all of the information given below must be completed for each (EN165) <table border="1"> <thead> <tr> <th>Description of waste</th> <th>UN identification number(s)</th> <th>Quantity of each (EN165) received (kg)</th> <th>Waste accepted/rejected</th> <th>Waste management operation (A or B code)</th> </tr> </thead> <tbody> <tr> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> <td><input type="text"/></td> </tr> </tbody> </table>		Description of waste	UN identification number(s)	Quantity of each (EN165) received (kg)	Waste accepted/rejected	Waste management operation (A or B code)	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>				
Description of waste	UN identification number(s)	Quantity of each (EN165) received (kg)	Waste accepted/rejected	Waste management operation (A or B code)											
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>											
1 I received this waste at the address given in A2 on: <input type="text"/> Date: <input type="text"/> Time: <input type="text"/> 2 Vehicle registration no. (or mode of transport, if not road): <input type="text"/> 3 Where waste is rejected please provide details: <input type="text"/> I certify that waste permit/consignment operation number: <input type="text"/> I authorise the management of the waste described in B at the address given in A2. Where the consignment forms part of a multiple collection, as identified in Part C, I certify that the total number of consignments forming the collection are: <input type="text"/> Signature: <input type="text"/> Date: <input type="text"/> Time: <input type="text"/>															

Waste Transfer Notes



RAYMOND BROWN MINERALS & RECYCLING LTD
The A303 Recycling Facility, Barton Stacey Winchester, Hampshire. SO21 3QS
Tel: 01264 720257 Fax: 01264 720763 www.brownskip.com

Waste Transfer Note

WASTE C. LICENCE CB/LN6778X8
WASTE B. LICENCE CB/EM3786UZ
VAT No. 717 8728 00

Customer
Willmott Dixon Holdings Ltd
Site Address
Willmott Dixon Construction
Rutherford Appleton Laboratories
Harwell
OX11 0QX

Ticket No. 160941
Copy No. 1 6 0 9 4 1

Date 21-08-2014
Account No. WIL031
Payment Method Acct

Contact Information
Luke 07812 759152
01462 678910

Area	Vehicle Reg
Harwell	HY62WWO
Driver	Skip Size
Paul Hodgkins	6 yd Skip
Special Instructions	Skip No.
Required: Anytime.	6
	Skip Ordered
	Mixed

WASTE TYPE AND CODE

17 05 05 Asbestos	<input type="checkbox"/>	02 01 07 Forestry/ Green Waste	<input type="checkbox"/>	17 01 07 Hardcore	<input type="checkbox"/>	17 09 04 Mixed Builders	<input checked="" type="checkbox"/>
17 04 07 Mixed Metals	<input type="checkbox"/>	17 08 02 Plasterboard	<input type="checkbox"/>	17 05 04 Soil and stones	<input type="checkbox"/>	03 01 05 Sawdust/ shavings	<input type="checkbox"/>
20 01 38 Wood	<input checked="" type="checkbox"/>	10 09 05 Foundry Sand	<input type="checkbox"/>	17 01 01 Concrete only	<input type="checkbox"/>	17 02 02 Glass	<input type="checkbox"/>
20 03 02 Packaging/ General Waste	<input type="checkbox"/>						

ALL WASTE HAS BEEN CONSIDERED IN THE CONTEXT OF THE WASTE HIERARCHY AND HAS BEEN DEALT WITH AS APPROPRIATE. SIC CODE 38110.

I agree that the waste transferred is as stated above and I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2011.
For and on behalf of the customer

Signature:

SIC: 38:11

Print Name:

Paul Hodgkins



DISPOSAL POINT

Site Name: Cuxton
Waste Disposal Licence No: EPR03B137AD
Signature: [Signature]

HAULIER

Waste Carrier Signature: [Signature]
Print Name: [Signature]
Date: 21-8-14

An electronic copy of this Waste Transfer Note is available on request

WILMOTT DIXON LTD 13/08/14



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Hazardous Waste Consignment Notes



19 MAR 2015 Consignment Note

ECL - Environmental Contracts Limited
 Environmental House, Plot 6 Central Trading Estate, Shaw Road, Dudley, West Midlands DY2 8QX
 Tel: 01384 213332 Fax: 01384 213334
 Environment Agency Registered - ADR Trained - A ISO 9001 ISO 14001 Accredited Company www.eclskips.co.uk

2012 - 28568

PART A: Notification details

1. Consignment note code: **046741/28568**

2. The waste described below is to be removed from (name, address, postcode, telephone, e-mail, fax) (if different from 5):
OSWALTON SCHOOL
AMBER STREET
OSWALTON DUDLEY
DY24 8FH

3. Producer code (where applicable): **046764**

4. The waste will be taken to (name, address and postcode):
WILLMOTT DIXON ENVIRONMENTAL LTD
CROOKED HOUSE LANE
DUDLEY DY2 4DA

5. The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, fax) (if different from 4):
ASA2 **9270**

PART B: Description of the waste

1. The process giving rise to the waste(s) was: **ASSISTANT REMOVAL**

2. SIC for the process giving rise to the waste: **45.251**

3. WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

Description of waste	Log of wastes (EWC code(s) digit)	Quantity (kg)	The chemical/biological components in the waste and their concentrations are:		Physical form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container type, number and size
			Component	Concentration (kg or mg/kg)			
ALCOHOL (WATER) 70% 60%	300	CHLORINE	1%	SOLID	H7	20kg	

The information given below is to be completed for each EWC identified

EWC code	UN identification number(s)	Proper shipping name(s)	UN class(es)	Packing group(s)	Special handling requirements
	NAH	HAZARD	FOR	ROAD	TRANSIT

PART C: Carrier's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If schedule of carriers is attached tick here: ☐)

I certify that I have collected the consignment and that the details in A2, A4 and B3 are correct and I have been advised of any specific handling requirements.

Where the route comprises part of a multiple collection the round number and collection number are:

1. Carrier name: **ABROWN**
 On behalf of (name, address, postcode, telephone, e-mail, fax) (if different from 4):

2. Carrier registration no. (please see exemption)

3. Vehicle registration no. (or mode of transport, if not road): **BUG1624**

Signature: **ASA2**

Date: **18/03/15** Time: **10:00**

PART D: Consigner's certificate

I certify that the information in A, B and C has been completed and is correct. That the carrier is registered or exempt and has advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

I confirm that I have fulfilled my duty to apply the waste hierarchy as required by Regulation 12 of the Waste (England and Wales) Regulations 2013.

1. Consignor name: **CENTRAL LTD**
 On behalf of (name, address, postcode, telephone, e-mail, fax) (if different from 4):

Signature: **ASA2**

Date: **18/03/15** Time: **10:00**

PART E: Consigner's certificate (where more than one waste type is collected all of the information below must be completed for each EWC)

Individual EWC code(s) received	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D code)
70603	3.400	Accepted	

1. I received this waste at the address given in A4 on: Date **18/03/15** Time **10:00**

2. Vehicle registration no. (or mode of transport, if not road): **BUG1624**

3. Where waste is rejected please provide details:

I certify that waste permit/waste operation number: **emr1883018**

authorises the management of the waste described in B at the address given in A4.

Where the consignment forms part of a multiple collection, we identified in Part C, I certify that the total number of consignments forming the collection are: **1**

Signature: **ASA2**

Date: **18/03/15** Time: **10:00**

WHITE - CONSIGNEE'S COPY YELLOW - CARRIER'S COPY PINK - PRODUCER/HOLDER'S/CONSIGNOR'S COPY GREEN - ECL COPY



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Waste



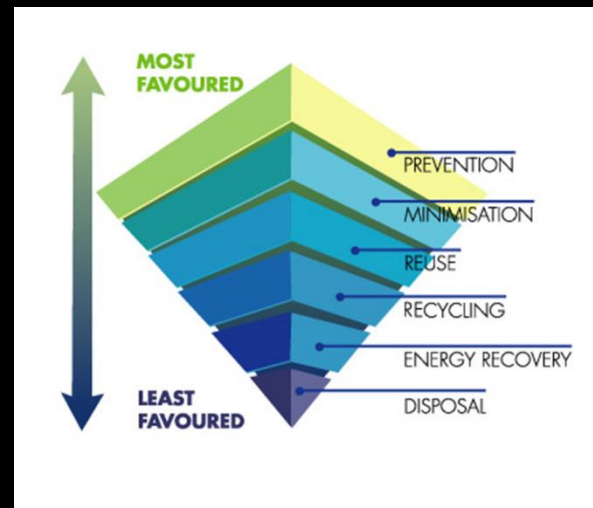
Do

- Plan storage and signage
- Order materials cut to size
- Reuse offcuts and spare materials
- National Community Wood Recycling scheme
- Reduced packaging
- Reuse site setup supplies



Don't

- Accept materials until storage is available
- Store without cover
- Dispose without obtaining relevant licences/permits

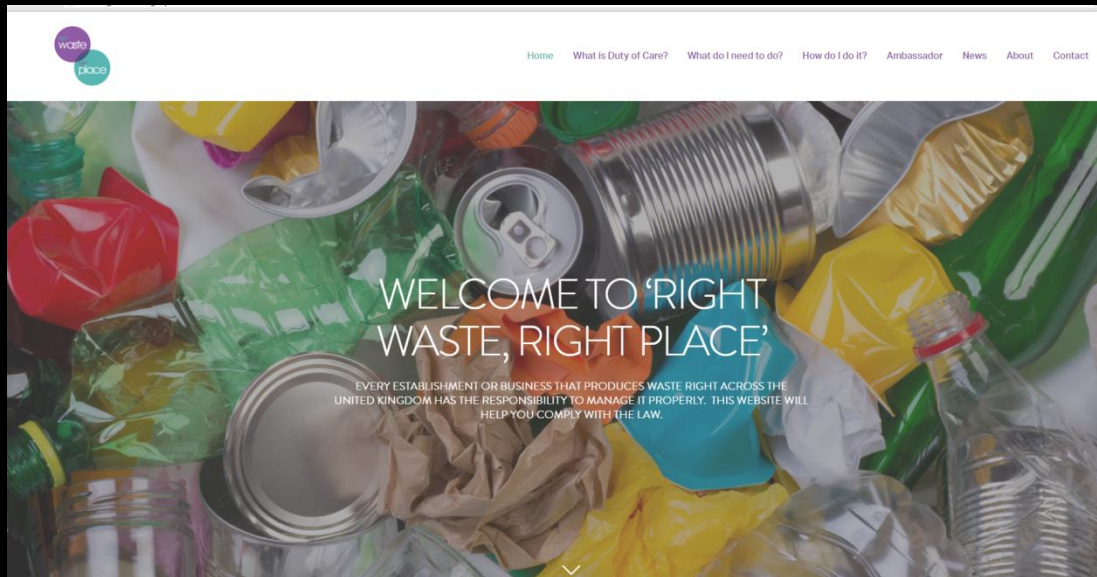


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Most Important

- Seek evidence of compliance
- If in doubt



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