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Pre-Construction Estimate - Site Waste Management Plan

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Project No: TBA		Project Title and Description: Causton - Part New Dunfermline part Refurb of existing school		Location: Bognor Regis		Date Created: 21.02.13		Review Date: N/A		Next Review Date: N/A																															
Person Responsible: I Lemon		Contract Duration: 47 wks		Contract Value: £2.5m		Client: WSCC		Hazardous Waste Premises Code: TBA																																	
Material Produced	Identify Waste Streams			Identify Waste Management Strategy and Estimated tonnage				Record - On removal from site - the EWC codes and Carrier Information																																	
	Active e.g. mixed waste, wood, metal, compactable, gypsum	Inert e.g. bricks, blocks, concrete, soil, ceramics	Hazardous/ Special e.g. contaminated soil, asbestos, oils, chemicals	Re-use on or off site	Re-use on site	Re-use off site	Landfill	European Waste Catalogue Code	Waste Contractor - Responsible for Disposal	Waste Carriers Licence/WML Exemption Number/Consignment Note Number	Comment																														
Soil - Non-Hazardous	Y	Y					1100.0	17 05 04																																	
Groundworker - General	Y						80.0	17 09 04																																	
General Mixed Waste	Y					180.0		17 09 04																																	
Metal Waste	Y					20.0		17 04 05																																	
Plasterboard Waste	Y					2.0		17 08 02																																	
Waste fuel - Surplus from diesel tanks/bands			Y			0.5		13 07 01																																	
Wood Waste	Y					1.0		17 02 01																																	
Canteen - Cans + Plastic Bottles	Y					0.5		17 09 04																																	
Canteen - Canteen Waste	Y					3.0		20 03 01																																	
Cardboard	Y					3.0		20 01 01																																	
Inert Waste - Bricks, Tiles, Blocks, Concrete		Y				2.0		17 01 07																																	
Hazardous Bituminous Products			Y				1.0	17 03 01																																	
<table border="1"> <tr> <td>Total Waste (Tonnage)</td> <td>1493</td> <td></td> <td>212</td> <td></td> <td>1281</td> </tr> <tr> <td>Reused/Recycled on site</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sent off-site for recycling</td> <td>212</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Authorised/WML exempt site</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Sent to Landfill</td> <td>1281</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>												Total Waste (Tonnage)	1493		212		1281	Reused/Recycled on site						Sent off-site for recycling	212					Authorised/WML exempt site						Sent to Landfill	1281				
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Waste Recycled 14.20 9% Site Target 86.00 5%																																									
Manell Declaration: We will take all reasonable 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 & the Environmental Protection (Duty of Care) Regulations 1991 and (b) materials will be handled efficiently and waste managed appropriately (c) the waste hierarchy has been considered in deciding the most appropriate waste management options																																									
Signed on behalf of the Client						Signed on behalf of Manell/Principal Contractor																																			

Total Waste (Tonnage)	
Reused/Recycled on site	
Sent off-site for recycling	
Authorized/VML exempt site	
Sent to Landfill	

Waste Recycled		%
Site Target	86.00	%

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Site Waste Management Plan - Post Construction Review

Project Title and Description	Job Number
Laburnum - Part New Build & part refurb of existing school	TBA
Date SWMP Created:	Review Date:
21.02.13	
Pre-Construction Waste Estimate:	
Total Waste (Tonnage):	1493.00
Total Waste Recycled (Tonnage):	212.00
Total Waste Landfilled (Tonnage):	1281.00
Waste Recycled (%):	14.20
Actual waste, Post Construction:	
Total Waste (Tonnage):	0.00
Total Waste Recycled (Tonnage):	0.00
Total Waste Landfilled (Tonnage):	0.00
Waste Recycled (%):	
The difference in waste produced is presented below (Tonnes) and is due to:	
	-1493.00
Please identify any cost savings and improvements:	

SWMP Procedures

The SWMP, outlines below, our procedures and commitments for minimising, monitoring and reporting of both non-hazardous and hazardous waste on site and the setting of targets to promote resource efficiency in line with industry best practice

Step 1 - Policy / Target Setting Identify high level targets for waste reduction and resource efficiency in accordance with project specific BREEAM targets and company-wide targets. Identify who is responsible for producing the SWMP and ensuring that it is followed. They should have sufficient authority to ensure that others comply with the SWMP.	One
Step 2 - Preparation and Concept Designs In line with the targets agreed in step 1, where applicable, identify areas of waste reduction of non hazardous and hazardous waste with the Design Team. Consider: ■ Design for Reuse and Recovery; ■ Design for Off Site Construction; ■ Design for Materials Optimisation; ■ Design for Waste Efficient Procurement; and ■ Design for Deconstruction and Flexibility.	Two
Step 3 - Detailed design Following the Design review and during detailed design forecast the waste arisings of non-hazardous and hazardous and document within the SWMP Identify opportunities to deliver Waste Reductions of non-hazardous and hazardous waste and record in the SWMP	Three
Step 4 - Pre Construction Forecast Pre Construction Waste Estimate and identify each waste type and category (non-hazardous and hazardous) expected to be produced in the course of the project. Identify the Waste Management action for each waste stream Identify the Client, Principal Contractor, and person responsible for drafting the Site Waste Management Plan Identify the location of waste skips, segregation of waste streams and storage areas Promote the segregation of active from inert waste e.g. soil, bricks/block, concrete/metal, timber, plasterboard, packaging and identify the waste management options for hazardous waste Where segregation is impractical, identify a waste contractor to segregate and recycle wood, plasterboard, metal, inert, general, cardboard, paper waste and manage hazardous waste	Four
Step 5 - Construction Monitor progress in the Construction Phase SWMP and implement remedial action where required based on performance Waste data will be provided quarterly by the SHEQ Team, all other data to be sourced via site subcontractors - in line with the SWMP Work Instruction SWMP to be updated quarterly. WebEx training is available to support understanding of the SWMP process Carry out site toolbox talks with operatives to explain the Site Waste Management Plan and Waste targets and objectives	Five
Step 6 - Post - Completion Compare the activities in the Pre-Construction Estimate and the Construction Phase SWMP Identify the reasons for any differences in the Estimate and Construction Phase Plans and any improvements that can be made Review company-wide strategy and identify lessons learnt from data gathered through the process	Six

Best Practice

Mansell are committed to minimising both hazardous and non-hazardous waste in line with industry best practice by:

- Designing out waste wherever possible
- Reducing Waste generated on site
- Developing and implementing procedures to sort and reuse / recycle construction waste on and off site

Waste targets are defined annually by the Company Environmental Manager, in line with our Halving Waste to Landfill Commitments.

Follow guidance from:

- DEFRA (Department of Environment, Food and Rural Affairs)
- BRE (Building Research Establishment)
- Envirowise
- WRAP (Waste & Resources Action Programme)

	A	B	C	D	E	F	G	H	I	J	K	L
1	Material	Ticks			Material Produced	Active	Inert	Hazardous	European Waste Catalogue Code	material produced		
2	Asbestos	✓	17 06 05		Asbestos			Y	17 06 05			
3	Bituminous Products - Tar		17 03 02		Bituminous Products - Tar	Y			17 03 02			
4	Canteen - Cans + Plastic Bottles		17 09 04		Canteen - Cans + Plastic Bottles	Y			17 09 04			
5	Canteen - Canteen Waste		20 03 01		Canteen - Canteen Waste	Y			20 03 01			
6	Cardboard		20 01 01		Cardboard	Y			20 01 01			
7	Demolition Waste - General		17 09 04		Demolition Waste - General	Y			17 09 04			
8	Demolition Waste - Inert		17 01 07		Demolition Waste - Inert		Y		17 01 07			
9	General Mixed Waste		17 09 04		General Mixed Waste	Y			17 09 04			
10	Glass Waste		17 02 02		Glass Waste	Y			17 02 02			
11	Green Waste		20 02 01		Green Waste		Y		20 02 01			
12	Groundworker - General		17 09 04		Groundworker - General	Y			17 09 04			
13	Groundworker - Inert		17 01 07		Groundworker - Inert		Y		17 01 07			
14	Hazardous - Bricks, Tiles, Blocks, Concrete		17 01 06		Hazardous - Bricks, Tiles, Blocks, Concrete			Y	17 01 06			
15	Hazardous Bituminous Products		17 03 01		Hazardous Bituminous Products			Y	17 03 01			
16	Inert Waste - Bricks, Tiles, Blocks, Concrete		17 01 07		Inert Waste - Bricks, Tiles, Blocks, Concrete		Y		17 01 07			
17	Liquid Waste - Septic Tank Waste		20 03 04		Liquid Waste - Septic Tank Waste	Y			20 03 04			
18	Mansell Site Office - Toner - fax/copier		n/a		Mansell Site Office - Toner - fax/copier	Y			n/a			
19	Metal Waste		17 04 05		Metal Waste	Y			17 04 05			
20	Plasterboard Waste		17 08 02		Plasterboard Waste	Y			17 08 02			
21	Plastic Waste		17 02 03		Plastic Waste	Y			17 02 03			

	A	B	C	D	E	F	G	H	I	J	K	L
22	Polystyrene Insulation		17 06 04		Polystyrene Insulation	Y			17 06 04			
23	Site Clearance – Invasive Plants		17 09 03		Site Clearance – Invasive Plants			Y	17 09 03			
24	Site Office – Waste Paper		03 03 08		Site Office – Waste Paper	Y			03 03 08			
25	Soil - Contaminated Non-Hazardous		17 05 04		Soil - Contaminated Non-Hazardous	Y	Y		17 05 04			
26	Soil - Contaminated soil		17 05 03		Soil - Contaminated soil			Y	17 05 03			
27	Soil - Non-Hazardous		17 05 04		Soil - Non-Hazardous	Y	Y		17 05 04			
28	Special/Hazardous Waste Bin		17 09 03		Special/Hazardous Waste Bin			Y	17 09 03			
29	Waste fuel - Surplus from diesel tanks/bunds		13 07 01		Waste fuel - Surplus from diesel tanks/bunds			Y	13 07 01			
30	WEEE - Waste Electrical Equipment		16 02 14		WEEE - Waste Electrical Equipment	Y			16 02 14			
31	Wood Waste		17 02 01		Wood Waste	Y			17 02 01			