

## APPENDIX C TIER 2 PROJECTS – MINIMUM CONTENTS FOR RWMP

Section	Pre-Construction Phase Content	Construction Phase Content
<b>1 Introduction</b>	<p>At a minimum this section should provide the following information:</p> <ul style="list-style-type: none"> <li>● Overview of the purpose of the RWMP;</li> <li>● Commitment to adherence to these Guidelines;</li> <li>● Environment and waste policy of the Client;</li> <li>● Relevant EU, national and local waste policy and legislation;</li> <li>● Outline the project-specific resource targets which should be set by the Client at the outset to the project – refer to <b>Section 3.2</b> for more information;</li> <li>● Identify any complementary documents, i.e. Environmental Management Plan, Health and Safety Plan, etc.</li> </ul>	<p>This section should be updated to include the following if relevant:</p> <ul style="list-style-type: none"> <li>● Environment and waste policy of the Contractor;</li> <li>● Any amendment to the project-specific resource targets;</li> <li>● Identify the Contractor’s complementary documents, i.e. Environmental Management Plan, Health and Safety Plan, etc.</li> </ul>

Section	Pre-Construction Phase Content	Construction Phase Content
<b>2 Project Description</b>	<p>At a minimum this section should provide the following information:</p> <ul style="list-style-type: none"> <li>● Site location, including site location map and site layout maps;</li> <li>● Site description to include site area, topography, description of existing structures, site access, adjoining land uses, sensitivity of the environment, etc.;</li> <li>● Site history including any details of previous land uses – in particular, potential for residual ground contamination from previous uses such as fuel/material storage, industrial operations (gas works, foundries, collieries, etc.).</li> <li>● Details of any proposed demolition including descriptions of scale and building fabric of all structures;</li> <li>● Details of any site clearance including vegetation removal, topsoil stripping or other excavations to enable works, including estimations of potential volumes;</li> <li>● Description of construction elements including all new structures, roads, drainage or other infrastructure;</li> <li>● Material balance for the site indicating the cut/fill requirements for development and estimates for all other material imports;</li> <li>● Details of project programme and phasing;</li> <li>● In the event that asbestos-Containing material (ACM) is present on site, details of the volume, nature and condition of all material. Confirm if an ACM inventory for the site is available;</li> <li>● If there is known or suspected ground contamination on the site or adjoining lands, provide details of the nature and scale of contamination. This should include a gridded map of the site highlighting areas of contamination;</li> <li>● For any brownfield development or development where there is known or suspected ground contamination, a remediation plan should be prepared to present the scale and nature of the contamination and the proposed approach to remediation, i.e. full excavation and off-site treatment, <i>in-situ</i> treatment, etc.;</li> <li>● Details of any other hazardous materials known on site.</li> </ul>	<p>This section should be updated to include the following if relevant:</p> <ul style="list-style-type: none"> <li>● A summary of any significant design changes imposed since the Design Stage RWMP through mechanisms such as value engineering or other;</li> <li>● Details of planning permission (if relevant) and in particular any conditions imposed in relation to resource management;</li> <li>● Any issues related to ground contamination which were identified during the construction phase.</li> </ul>

Section	Pre-Construction Phase Content	Construction Phase Content
<b>3 Roles and Responsibilities</b>	<p>At a minimum this section should provide the following information:</p> <ul style="list-style-type: none"> <li>● Overview of the Design Team;</li> <li>● Description of the role of the named Client and key personnel;</li> <li>● Description of the role of the named Architect and key personnel;</li> <li>● Description of the role of the named Engineer and key personnel;</li> <li>● Description of the role of the named Resource Manager (RM) appointed to the Design Team to manage the RWMP through the design process;</li> <li>● Description of the role of the other parties and key personnel in the Design Team such as quantity surveyors, environmental consultants;</li> <li>● Description of the future role of the Contractor (unnamed).</li> </ul>	<p>At a minimum this section should provide the following information:</p> <ul style="list-style-type: none"> <li>● Overview of the Construction Phase roles including Client, Client’s Representative, Contractor, Sub-Contractors, etc.;</li> <li>● Description of the role of the named Client and key personnel;</li> <li>● Description of the role of the Contractor’s Project Manager;</li> <li>● Description of the role of the Contractor’s Site Manager;</li> <li>● Description of the role of the Contractor’s nominated Resource Manager (RM);</li> <li>● Description of the role of the Quantity Surveyor on procurement and purchasing;</li> <li>● Description of the role of the named Sub-Contractors and Suppliers.</li> </ul> <p>Further details on the site management roles are presented in <a href="#">Section 5.2</a>.</p>
<b>4 Design Approach</b>	<p>At a minimum this section should provide the following information to show how primarily prevention and then management of streams have been considered:</p> <ul style="list-style-type: none"> <li>● Scope, attendees, agenda and dates of any design out waste workshops;</li> <li>● Document design initiatives adopted for Reuse and Recycling – refer <a href="#">Section 4.3.1</a>;</li> <li>● Document design initiatives adopted for Green Procurement – refer <a href="#">Section 4.3.2</a>;</li> <li>● Document design initiatives adopted for Off-Site Construction – refer <a href="#">Section 4.3.3</a>;</li> <li>● Document design initiatives adopted for Materials Optimisation – refer <a href="#">Section 4.3.4</a>;</li> <li>● Document design initiatives adopted for Flexibility and Deconstruction – refer <a href="#">Section 4.3.5</a>.</li> </ul>	<p>This section of the RWMP will only require update to reflect any significant design changes that have implications for resource management.</p>

Section	Pre-Construction Phase Content	Construction Phase Content
<b>5 Key Materials, Quantities and Costs</b>	<p>Provide a post design resource and waste inventory of all residual resources in line with the template provided in <b>Appendix D</b> listing the following:</p> <ul style="list-style-type: none"> <li>● Description of each residual resource stream predicted;</li> <li>● The List of Waste (LoW) Code for each stream;</li> <li>● The predicted quantity of material generated (in tonnes);</li> <li>● The identified resource management route options from prevention, reuse, recycling, recovery and disposal for each material;</li> <li>● The estimated cost of resource management.</li> <li>● Further details for this section are included in <b>Section 4.4</b>.</li> </ul>	<p>Update the resource inventory in <b>Appendix D</b> listing the following:</p> <ul style="list-style-type: none"> <li>● Any changes to the generation volumes presented in the Design Phase Inventory;</li> <li>● Any changes to the management routes presented in the Design Phase Inventory;</li> <li>● The nominated authorised haulier who will be employed for each stream must be named along with the relevant permissions;</li> <li>● The nominated destination site for all streams must be provided along with the relevant permissions.</li> </ul> <p>Further details on this tracking are provided in <b>Section 5.7</b>.</p>
<b>6 Site Management</b>	<p>Specify the following outline requirements that must be adopted by the Contractor at construction stage:</p> <ul style="list-style-type: none"> <li>● Need for a specified Resource Manager (RM) of the RWMP with responsibility for implementation at construction phase;</li> <li>● Requirements to include the RWMP in site induction training;</li> <li>● Requirements for tool box talks and all other training on the RWMP;</li> <li>● Procedures for identifying suitably authorised waste collection operators and waste destination sites – a resource for this task is included in <b>Appendix F</b>;</li> <li>● Requirements for resource-efficient supply chains;</li> <li>● Procedures for record keeping and reporting of all off-site export of resources;</li> <li>● Procedures for record keeping and reporting of all on site resource uses – this may include measures such as the use of an on-site mobile crusher for producing aggregate from suitable residual concrete (subject to the appropriate waste consent);</li> <li>● Requirements for communications with the local authority and other stakeholders;</li> <li>● Procedures for audits and inspections of resource management practices.</li> </ul>	<p>Specify the following requirements that must be adopted at construction stage:</p> <ul style="list-style-type: none"> <li>● Need for a named Resource Manager with responsibility for implementation of the RWMP – further details are provided in <b>Section 5.2</b>;</li> <li>● Requirements to include the RWMP in site induction training and tool box talks and all other training on the RWMP – further details are provided in <b>Section 5.4</b>;</li> <li>● Implementing procedures for record keeping and reporting of all off-site export of resources as per <b>Section 5.7</b>;</li> <li>● Procedures for resource-efficient procurement in the supply chain – further details are provided in <b>Section 5.5</b>;</li> <li>● Procedures for audits and inspections of resource management practices – further details are provided in <b>Section 5.6</b>;</li> <li>● Requirements for engagement with the local authority and other stakeholders – further details are provided in <b>Section 5.8</b>;</li> <li>● Requirements for a final report summarising the outcomes of resource management processes adopted and the final inventory and cost for the project – further details are provided in <b>Section 5.8</b>.</li> </ul>

Section	Pre-Construction Phase Content	Construction Phase Content
<b>7 Site Infrastructure</b>	<p>Specify the following infrastructure requirements that must be adopted by the Contractor at construction stage:</p> <ul style="list-style-type: none"><li>● Minimum requirements for site signage on resource management;</li><li>● Minimum requirements for resource storage (dedicated skips, hazardous materials storage, stockpile management, etc.);</li><li>● Note there are specific requirements on stockpiling more than 50kg of certain persistent organic pollutants (from a construction perspective these may include some chlorinated hydrocarbon contaminants in ground contamination, EPS/XPS insulation building material containing brominated flame retardant (HBCDD) or polychlorinated biphenyls from removal of electrical equipment) under Article 5 of EU Regulation (EU) 2019/1021.</li><li>● Handling and export of resources.</li></ul>	<p>Specify the following infrastructure requirements that must be adopted:</p> <ul style="list-style-type: none"><li>● Minimum requirements for site signage on resource management;</li><li>● Minimum requirements for resource storage (dedicated skips, hazardous materials storage, stockpile management, etc.);</li><li>● Handling and export of resources.</li><li>● Further details are provided in <a href="#">Section 5.3</a>.</li></ul>

## APPENDIX D RESOURCE AND WASTE INVENTORY TEMPLATE

LoW Code	Description	Volume Generated (tonnes)	Prevention (tonnes) (non-waste)	Reused (tonnes) (non-waste)	Recycled (tonnes) (waste)	Recovered <sup>11</sup> (tonnes) (waste)	Disposed (tonnes) (waste)	Unit Cost Rate (€/tonne)	Total Cost (€)
17 01 01	Concrete								
17 01 02	Bricks								
17 01 03	Tiles and Ceramics								
17 02 01	Wood								
17 02 02	Glass								
17 02 03	Plastic								
17 03 02	Bituminous Mixtures								
17 04 01	Copper, Bronze, Brass								
17 04 02	Aluminium								
17 04 03	Lead								
17 04 04	Zinc								
17 04 05	Iron and Steel								
17 04 06	Tin								
17 04 07	Mixed Metals								
17 04 11	Cables								
17 05 04	Soil and Stone								
17 06 04	Insulation Material								

<sup>11</sup> Recovered here includes energy recovery, backfilling and other recovery.

LoW Code	Description	Volume Generated (tonnes)	Prevention (tonnes) (non-waste)	Reused (tonnes) (non-waste)	Recycled (tonnes) (waste)	Recovered <sup>11</sup> (tonnes) (waste)	Disposed (tonnes) (waste)	Unit Cost Rate (€/tonne)	Total Cost (€)
17 08 02	Gypsum								
17 09 04	Mixed C&D Waste								
17 01 06*	Mixtures of, or separate fractions of concrete, bricks, tiles and ceramics containing hazardous substances								
17 02 04*	Glass, plastic and wood containing or contaminated with hazardous substances								
17 03 01*	Bituminous mixtures containing coal tar								
17 04 09*	Metal waste contaminated with hazardous substances								
17 05 03*	Soil and stones containing hazardous substances								
17 06 05*	Construction materials containing asbestos								
	Other resources (non-waste materials) (specify as needed)								
	Other wastes (specify as needed)								