

Waste Stream Management

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Greening up...



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Introduction: The purpose of this document is to outline the company's current waste management system and then identify areas where the company can change the way it currently disposes its waste, identify what suppliers are out there and what limitations they have and what the company can do to overcome these limitations. The aim is for the company to be completely responsible for the waste that is produced and will be able to offer a solution so that everything is recycled at least once before end of life.

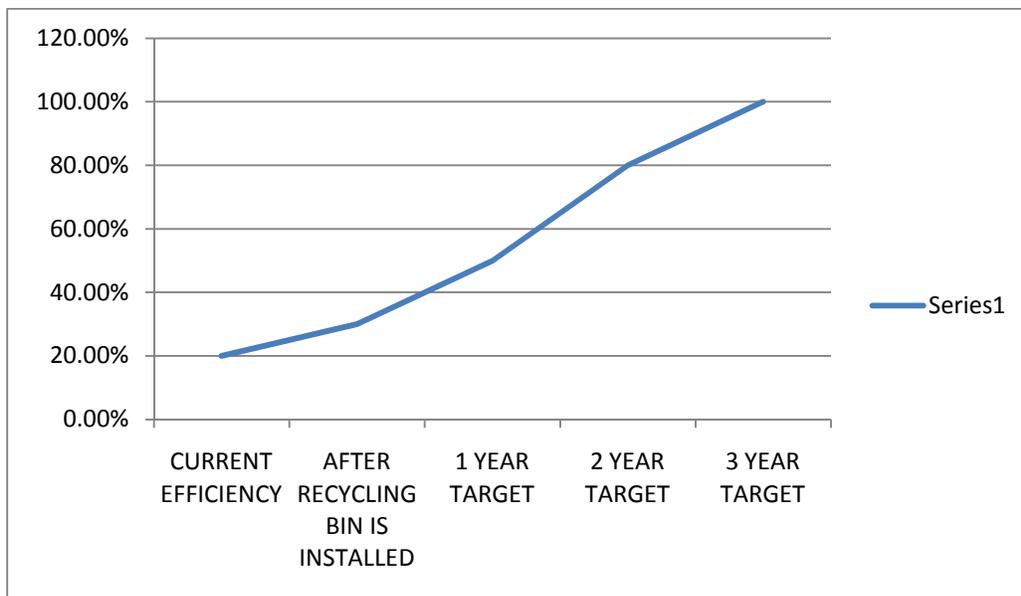
Waste currently produced: The company currently produces the following waste – wood, cardboard, paper, metal, plastic, glass, GRP, and some food waste. Although most of these can be recycled; wood and GRP cannot be recycled by a commercial waste disposer.

Solutions: For the commercial recyclable waste CML will appoint a specialist contractor/waste manager, who will at first allocate two large bins on site to start the transition from the company producing, predominantly general waste, to 50% general waste 50% recycled and ultimately, through management, to only produce recycled waste. The problem waste will be recycled through the following means; for GRP the company is looking to invest in a "GRP Grinder" (see fig. 1) which can process GRP into 2 products – resin dust and chopped strand fibres, both of which can be reused in the laminating process. Wood can be sent to a number of wood recycling facilities in the UK, where it is chipped and re-used as board making material, animal bedding etc. Food waste will be composted on site.



Fig. 1

Targets: Currently the company only recycles, approximately, 20% of its waste. The initial target will be to increase this to 50% through the installation of, an equal size recycling bin, as the General waste bin, the purchase of a GRP Grinder and establishing a contract with a wood recycler who can effectively collect and process the wood waste. Over a 2 year period the company will aim to increase its waste stream efficiency, so that they recycle 80% of the waste produced with the remaining 20% going to landfill. After the 3 year period, the company should be proficient enough with the infrastructure, to achieve 100% sustainability for all the waste produced. See chart below for Efficiency mapping.



Opportunities: If the company can become fluent in recycling their waste, it could be re-introduced back into the production cycle helping the company produce partly recycled composite products.

Summary: The company will instigate a comprehensive waste management system, by taking on a proactive waste manager, who will enable the company to sort and recycle a large amount of waste onsite. The company will also invest in equipment which will enable them to be completely responsible for the waste they produce. Finally a wood recycler will be contracted to complete, being totally responsible for waste produced at CML.

Further questions, comments, suggestions to info@compositemouldings.com