

Modular Carpet Recycling (MCRI)

Appendix A

US landfills receive over 5 billion pounds of used carpets per year. The nylon in the carpets is recoverable if there is a commercially viable process. Using a patented recovery process, MCRI proposes to sell modular, skid-based recycling plants to recover nylon from carpets now going to landfills.

Make/sell recycling plants to recyclers: cities & investors (MCRI)

Recyclers make nylon pellets from waste carpets near landfills (customers of MCRI)

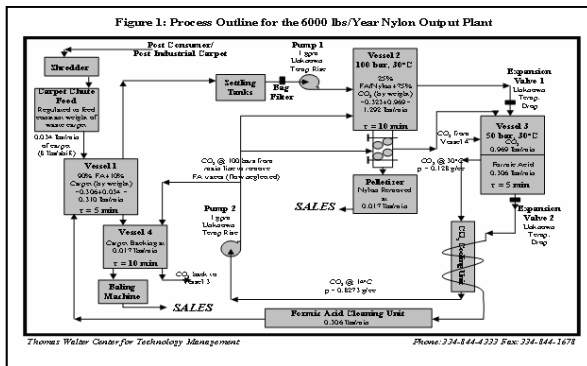


Figure A1: Auburn's patented process

Figure B1: Used carpet in Dallas warehouse ready for recycling



Figure A2: Modular plant

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March 2007**



Figure B2: Nylon pellets from the recycling plant

- Form MCRI—virtual manufacturer
- Investment, acquire technology from Auburn University
- A pilot plant to be built – year 1
- MCRI sells three plants in year 2
- MCRI sells 10 plants in year 3
- Competitive edge--Process is economical in small plants
- Produce plants centrally, keeps cost low
- Franchise recycling plants if possible
- Cash flow from sale of plants and the sale of nylon acquired from recyclers

- Buy or lease plants from MCRI (cities or investors)
- Locate near landfills
- Recycle 2 million pounds of carpet/yr and produce 1 million pounds of nylon pellets
- Cities may collect tipping fee and send used carpets to be diverted to recycling
- Sell nylon pellets to MCRI or in the open market
- Cash flow to recycling plant owners from the sale of nylon to MCRI or in the market