

# McMaster University Waste Reduction Work Plan

April 2009 to April 2010

**Company Name:** McMaster University

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**Period:** April 2009 to April 2010

**Waste disposed of last year:** 1682.82 MT

**Type of Establishment:** Educational

**Enrolment:** 19,500 full time students

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<b>Waste Category</b>	<b>Quantity (tones), 2009 Waste Audit</b>	<b>Proposed action to reduce, reuse or recycle material</b>	<b>Yearly reduction of waste</b>	<b>Status</b>
Aluminum	24.91	Increase the number of bins and provide educational material.	2.5 (10%)	Pilot educational campaign underway
Cardboard	108.64	Increase the number of bins, provide educational material and work with suppliers to decrease the amount of cardboard used for campus deliveries.	33 (30%)	Currently working with McMaster's office supplies vendor to limit cardboard packaging.
Fine Paper	96.64	Increase the number of bins, provide educational material regarding duplexing, moving to electronic processes and the use of fleet printing devices.	9.6 (10%)	Currently in the process of connecting new fleet print devices to the campus network which will offer the ability to duplex and scan to email.
Glass	40.57	Increase the number of bins and provide educational material.	4 (10%)	Pilot educational campaign underway
Newsprint	65.45	Increase the number of bins and provide educational material. Work with high volume generators to create individual work plans	6.5 (10%)	Pilot educational campaign underway
PET #1	145.37	Increase the number of bins, provide educational material and promote the use of refillable water bottles.	14.5 (10%)	Have recently retrofitted more than 23 water fountains to house a bubbler for drinking, goose neck for refilling chiller to offer cool water.
HDPE #2	24.34	Increase the number of bins and provide educational material	2.4 (10%)	Pilot educational campaign underway
LDPE #4	17.48	Increase the number of bins, provide educational material and decrease the amount of plastic film being discarded on campus.	1.7 (10%)	McMaster University has banned the sale or distribution of single use plastic bags on campus as of January 1 <sup>st</sup> 2010.
Polystyrene #6	53.16	Increase the number of bins, provide educational material and work with purchasing to encourage external suppliers to limit the amount of polystyrene in campus deliveries.	5.3 (10%)	Currently working with McMaster's office supplies vendor to limit cardboard packaging.
Organics	386.83	Investigate the opportunity to create an organic waste removal program. Work with Hospitality Services to implement a pilot program.	115.8 (30%)	Currently in discussions with McMaster's waste services provider, WSI, about the opportunity to compost McMaster's organic waste. Facility Services, Grounds, reuses all clippings from campus in the maintenance of campus green space.

Boxboard	45.30	Increase the number of bins and provide educational material.	4.5 (10%)	Pilot educational campaign underway.
Glossy Magazines	25.21	Increase the number of bins, provide educational material and work with campus departments who mail out hard copies of campus publications to offer an online option to subscribers.	2.5 (10%)	Pilot educational campaign underway
Wood	87.77	Continue to recycle	8.7 (10%)	Continuing to recycle
Steel	0.74	Continue to recycle	0	Continuing to recycle
Drywall	8.77	Continue to recycle	0	Continuing to recycle
Skids	Na	Continue to find alternate external options for the removal of skids.	Na	Currently providing skids to an external provider for reuse.
Paper Towel	93.60	Increase the number of bins, provide educational material, investigate the possibility of composting at McMaster and install electronic hand dryers where possible.	9.3 (10%)	Currently in discussions with third party vendors about the opportunity for them to compost McMaster's organic waste. Have installed two, high-efficiency, hand dryers as pilot projects.
Print Cartridges	Na	Provide educational material, information about drop-off locations and mail-back opportunities, and offer collection days once every 6 months.	Na	Currently have the option to mail the cartridge back to the supplier or drop the cartridge off at designated stations for recycling by a third party. McMaster's UTS and Office of Sustainability also host IT Collection, Reuse and Recycling events once every 6 months which will be expanded to include all electronic devices and accessories.
IT	11.50	Provide a dry area for storage before being removed for recycling, provide educational material and offer collection days once every 6 months with the opportunity for the material to be reused by other members of campus.	10.3 (90%)	McMaster's UTS and Office of Sustainability also host IT Collection, Reuse and Recycling events once every 6 months which will be expanded to include all electronic devices and accessories.
Furniture	Na	Provide educational material about McMaster University's online auction site and look for external charitable organizations for donation.	Na	Currently, the auction site is managed by McMaster's Business Management Services and Housing and Conference Services donate all left over furniture left over after residence move-out.
Building/renovation material	Na		Na	
Disposable take-out containers	Na	Increase the number of bins, provide educational material and work with Hospitality Services to switch to more sustainable packaging and decrease the amount of packaging all together.	na	McMaster's Hospitality Services has switched to sustainable packaging in five campus eateries, has switched to oxo-biodegradable single-use cutlery at all campus eateries and eliminated single serving sized corrugated pizza boxes in exchange for pizza slices on triangular boxboard tray.

Cell phones	Na	Provide educational material, information about drop-off locations and mail-back opportunities, and offer collection days once every 6 months.	na	Currently have the option to mail the phone back to the supplier or drop it off at designated stations for recycling by a third party. McMaster's UTS and Office of Sustainability also host IT Collection, Reuse and Recycling events once every 6 months which will be expanded to include all electronic devices and accessories.
Diapers	Na		na	
Clothing	11.00	Encourage the use of donation.	1.1 (10%)	McMaster's Housing & Conference Services and Athletics and Recreation both donate all abandoned clothing from their facilities.