Canadian Battery Association (CBA): Manitoba Stewardship Plan for Lead-Acid Batteries

GENERAL PROGRAM CHARACTERISTICS

Act and Regulation	The Waste Reduction and Prevention Act, CCSM c W40; Household Hazardous Material and Prescribed Material Stewardship Regulation (MR 16/2010); Household Hazardous Material and Prescribed Material Stewardship Guideline (2010-01E, May 2011).						
Products Covered by Plan	Lead acid batteries (LABs). Starting, lighting and Ignition (SLI) (2-50kg); Motive (15-300kg); Stationary (2->1000kg).						
Timelines	Stewardship Plan	*Submitted*	August 3, 2010	*Approved*	April 14, 2011	*Expires*	December 31, 2016
	Annual Report	*Due*	March 30, 2012	*Submitted*	August 27, 2012	*Tabled*	

PERFORMANCE TARGETS AND MEASURES

Act and Regulation	• Section 16(1) of the Household Hazardous Material and Prescribed Material Stewardship Regulation states "Within 90 days after the end of the fiscal year, an operator must provide to the minister an annual report summarizing the program activities of the operator in the fiscal year and containing audited financial statements covering the program for the fiscal year."
Guidelines	• Collection system should have a radius of approximately 50km for rural areas; 15 minutes travel time in urban areas; other measures for remote and northern areas (e.g., events) (Section D-2, page 4). • May include: sale and recovery data, municipal waste composition study results, surveys of public awareness, the amount of waste material collected by service providers, number of collection points, proportion of product to be managed, according to the principles of pollution prevention and 4Rs hierarchy (Section F -3, page 4-5). • Measure, monitor and report on program performance, including meeting designated material recovery rate targets (Section B-13, page 2).
Stewardship Plan and Approval Letter	• Performance to be measured on awareness, (communication materials and website), participation rate (by survey), accessibility (# collection sites and % residents within 30 minutes of facility), and by collection (volume; collection rate = weight collected divided by weight sold; and recovery rate = volume transported to smelter by volume sold (intended to help capture other independent recyclers), post-collection management of residuals (4R's), operational efficiency (including cost per unit recovered for remote locations), quality of service (complaints and disruptions) and management performance (against business plan goals and targets).

	Indicator	2012 Annual Report Information	Comments	Other Jurisdictions
Operational	Total material generated	6,118,000 kg	Based on the volume of Starting, Lighting and Ignition (SLI) batteries sold by CBA members.	Interstate Battery Systems of America reported: • 433,504 kg sales; • 552,215 kg recovery; Unaccounted sales estimated 775,000 kg/yr
	Total material collected	5,326,000 kg	Based on the volume of SLI batteries recovered by CBA members	
	% Recovered	87.1%	CBA 2012 Recovery Rate for SLI batteries	
	Total material collected per capita	4.222	Based on SLI batteries only	
Accessibility	% Population Coverage	-		Canadian Battery Association reports similar collection rates in British Columbia
	# Collection Sites	81 collection sites	This included both Public (81) and Motive and Stationary battery return facilities (5).	
	# Collection Events	0		
	# Participating Municipalities	-	Annual Report lacking specific locations (if provided this information could be used to derive this indicator).	

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Indicator		2012 Annual Report Information	Comments	Best Practices
Awareness	Percent of population aware of the programs	This indicator is not tracked by the program in 2012.	Not included.	Canadian Battery Association (BC): • Website, agency partnerships, printed materials.
	Communication efforts undertaken	Website www.recyclemybattery.ca	Further detail in annual report.	
Financial	Total program costs by volume	N/A	All costs related to the Stewardship Program are administrative costs	Canadian Battery Association (BC) cannot report on these financial indicators because of the positive value of lead-acid batteries at end-of-life.
	Operational costs per tonne	All Operational costs are borne by the CBA Members	Lead-Acid batteries have a value at the end-of-life consequently, there are no operational costs associated with the collection, transportation or recycling of lead-acid batteries	
	Overhead costs per tonne	N/A	Annual Membership fees cover the overhead costs of program administration	

MATERIAL RECOVERY SUMMARY (2012)

Material	Amount Generated (kg)	Amount Recovered (kg)	% Recovered
SLI Lead-Acid Batteries	**6,551,517**	**5,878,851**	**89.7%**
- CBA Members	6,118,000	5,326,000	87.1%
- Interstate Battery	433,504	552,215	127%

SLI= Starting, Lighting and Ignition lead-acid batteries (primarily vehicle batteries)

FINANCIAL SUMMARY (2012)

Category	Amount	Comments
Annual Expenses	-	The annual expenditures are related to Administrative costs only
Operating Reserve	$15,000	
Addition/ (draw down) from previous year	-	

ADDITIONAL COMMENTS

- Collection Rate = weight of batteries collected / weight of batteries sold (see Stewardship Plan section 6.3.2).
- Recovery Rate = weight of batteries transported / weight of batteries sold (Stewardship Plan section 6.3.2 requires clarity).
- Note that they will work cooperatively with two other programs in the province – Interstate Battery System of Canada (IBSC) and the Rechargeable Battery Recycling Corporation (RBRC) (Annual Report, Section 1.6, pages 6-7).