Product Care Association
AlarmRecycle
Annual Report to the Director
2015

Submitted to: **Director, Extended Producer Responsibility Programs**
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1. Executive Summary

The BC Smoke and Carbon Monoxide (CO) Program ("Program") began on October 1, 2011. AlarmRecycle is operated by Product Care Association of Canada ("PCA") pursuant to the requirements of the *British Columbia Recycling Regulation* (BC Reg 449/2004 as amended) ("Regulation") under the Province's *Environmental Management Act,* as well as the BC Smoke and Carbon Monoxide Alarm Stewardship Plan, approved by the BC Ministry of Environment on August 17, 2011 and covering the period October 1, 2011 to December 31, 2016 ("Program Plan"). This annual report provides the information required pursuant to section 8(2) of the Regulation covering the period from January 1 to December 31, 2015.

Products within plan	Residential-use smoke and carbon monoxide (CO) alarms
Program website	http://www.regeneration.ca/programs/smoke-co-alarms/british-columbia/

Program performance details required under s.8(2) of the Regulation are summarized in the chart below.

Recycling Regulation Reference	Topic	Summary
Part 2, Section 8(2)(a)	**Public Education Materials and Strategies**	• Consumer awareness survey revealed 49% of BC adults were aware of a program to recycle smoke and CO alarms. • New website (ReGeneration.ca) with collection site finder launched. • New point of sale and point of return materials developed and replenished upon request. • Advertised through Yellow Pages digital campaign. • Print ads published in 2015 municipal waste and recycling calendars. • Ran TV campaign with Global TV. • Advertised on TSN 1040 Radio and Vista Radio and ReGeneration sponsorship of 103.5 QM/FM's Nat & Drew Beat the Bank. • ReGeneration participated in events (e.g. BC Home & Garden Show). • Collaborated through RCBC's Hotline and Recyclepedia, the SABC Recycling Handbook and the BC Recycles Ambassadors to provide consumer-facing information about AlarmRecycle.

Recycling Regulation Reference	Topic	Summary
		• Focused on community partnerships and collection during Fire Prevention Week.
Part 2, Section 8(2)(b)	**Collection System and Facilities**	• At the end of the 2015, the Province-wide collection system was comprised of 185, contracted and advertised collection sites, including 72 return-to-retail locations, 14 local government facilities, 2 fire departments and 97 private recycling depots.
Part 2, Section 8(2)(c)	**Product Environmental Impact Reduction, Reusability and Recyclability**	• Ionization foil stamping technology ensures less waste produced and less precious metals used in this stage of the manufacturing process. • Amount of materials in alarms continue to decrease while the use of recyclable materials in packaging increase. • There is a general trend in the industry to move from 9 volt to 3 volt alarms reducing the number of batteries required for product operation. • Some manufacturers are looking into implementing best practice environmental standards from one region across all products sold to different countries.
Part 2, Section 8(2)(d)	**Pollution Prevention Hierarchy and Product / Component Management**	• The plastic and metal components (copper, aluminum, ferrous, etc.) are separated and recycled. • The radioactive component (Am-241 foil) of some of the alarms is shipped for final disposal at a licensed radioactive waste facility.
Part 2, Section 8(2)(e)	**Product Sold and Collected and Recovery Rate**	• As per the approved Program Plan, aggregated sales data is not made publicly available, due to the limited number of manufacturers, to protect confidential market share information. • Between January 1 and December 31, 2015, the Program collected approximately 66,481 units.
Part 2, Section 8(2)(e.1)		• Table 4 lists units collected by regional district.
Part 2, Section 8(2)(f)	**Summary of Deposits, Refunds, Revenues and Expenses**	• Appendix E contains the Independent Financial 2015 Audit of AlarmRecycle.

The Program Plan sets out a number of key performance targets for the Program. The following chart summarizes the Program's targets, performance in 2015 and strategies for improvement going forward.

Key Program Targets and Performance

2015 Key Program Targets and Performance		
Part 2 section 8(2)(g)		
2015 Program Plan Targets	**2015 Performance**	**Strategies for Improvement**
Collection target of 25,468 units based on 5% annual increase from 2012 baseline of 21,326 units.	**Target Exceeded:** Approximately 66,481 units collected.	n/a
The Program will work with other stewardship programs to try to limit consumer confusion and to develop communication synergies between programs.	**Target Met:** As part of SABC, AlarmRecycle worked with other stewardship organizations (e.g. LightRecycle and PaintRecycle) in outreach to stakeholders. In addition, AlarmRecycle engaged RCBC for hotline and Recyclepedia services.	AlarmRecycle will continue to reach out to community groups and work with other stewardship programs, where synergies exist.

2. Program Outline

The BC Smoke and Carbon Monoxide (CO) Program ("Program") began on October 1, 2011. AlarmRecycle is operated by Product Care Association of Canada ("PCA") pursuant to the requirements of the *British Columbia Recycling Regulation* (BC Reg 449/2004 as amended) ("Regulation") under the Province's *Environmental Management Act,* as well as the BC Smoke and Carbon Monoxide Alarm Stewardship Plan, approved by the BC Ministry of Environment on August 17, 2011 and covering the period October 1, 2011 to December 31, 2016 ("Program Plan"). This annual report provides the information required pursuant to section 8(2) of the Regulation covering the period from January 1 to December 31, 2015.

AlarmRecycle members include manufacturers, brand owners, distributors, first importers and retailers. In 2015, there were 61 AlarmRecycle members. For a complete list of Program members registered in 2015, see Appendix A.

Products that are recycled through AlarmRecycle include:
- Smoke alarms designed for residential-use as defined by the CAN/ULC-S531 standard.[1]
- Carbon monoxide (CO) alarms designed for residential use, as defined by the CAN/CSA 6.19 standard.

By the end of 2015, the Program had developed a collection network of 185 permanent year-round collection sites. AlarmRecycle does not directly own or manage collection sites but contracts with all collection locations. Collection sites include fire safety organizations, fire halls, recycling organizations (both non-profit and for-profit), retailers and local government recycling centres and transfer stations.

The AlarmRecycle website is a consumer-facing portal where the public can obtain information about the Program, including what products are accepted in the Program, where to find the nearest collection site, promotional materials and membership information. Further details on education and outreach efforts are outlined in Section 3 of this report.

The Program, pursuant to the terms in its approved Program Plan, established a collection rate target increase of 5% per annum with the 2012 collection volume of 21,326 units as a baseline. In 2015, approximately 66,481 alarm units were collected, exceeding the collection target by 41,013 units or 161% (see Table 6).

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[1] Underwriters Laboratory of Canada (ULC) Standards develops and publishes standards and specifications for specific product types, including those having a bearing on fire safety. Fire alarms installed in dwelling units must conform to the CAN/ULC-S531-02 standard.

3. Public Education Materials and Strategies

PCA implemented a communication program to educate consumers in accordance with regulatory requirements. The following sections provide a summary of communication efforts for 2015.

Program Awareness

A consumer awareness survey conducted in 2015 revealed that 49% of British Columbians were aware of a recycling program for smoke and CO alarms, compared to 22% awareness for smoke alarms and 20% awareness for CO alarms in 2013. The survey was conducted between April 2 and April 6, 2015, surveying 1,004 randomly selected adult British Columbia residents.

Website

ReGeneration.ca includes the following bilingual content for the AlarmRecycle Program in British Columbia:

- Collection site finder (a map displaying locations of the collection sites)
- Collection site hours and operations
- Accepted product list
- Other information (such as a Frequently Asked Questions about the Program).

An estimated 109,859 unique visitors accessed ReGeneration.ca during the 2015 calendar year. The AlarmRecycle Program page received 3,179 visitors.

Point of Sale (PoS) and Point of Return (PoR) Materials

In 2015, Product Care redesigned and distributed both PoS and PoR materials free of charge as requested by retailers,   collection sites, municipalities, etc. AlarmRecycle rack cards (5x8) and posters (11x17) are available for reorder through the online order form (see Appendix B for examples).

Program Phone Line

Product Care operated a toll-free telephone number (1-888-772-9772) by which consumers were able to obtain information about the Program.

Yellow Pages Advertising

PCA continued a targeted digital campaign via YP Group, including syndicated Facebook posts, targeted digital display ads, and smart digital display (re-serving impressions to pre-qualified audience). Digital ads were specifically generated to Internet users who performed online searches related to the purchase, use and disposal of smoke and CO alarm products in British Columbia.

Additionally, our Facebook advertising campaign pursued a "gated" strategy, which is to say, content viewable by residents of British Columbia was relevant to that audience specifically, and was not necessarily seen by audiences in other provinces.

Print Advertising

Print ads were published in 2015 municipal waste and recycling calendars.

TV Campaign

A six-month, Province-wide campaign with Global TV began to air on June 29, 2015 and ended on December 18, 2015. Community PSAs involving local talent voiced 15-second "infomercial" style spots educated viewers on smoke/CO alarm recycling. In addition, heavy rotation of 30-second traditional commercial spots aired on prime time during high viewership programming.

Radio Campaign

AlarmRecycle advertised on TSN 1040 Radio to promote the Program in April during the 2015 Stanley Cup Playoffs and again in June during the 2015 FIFA Women's World Cup, two of the most listened-to sporting broadcasts of the year. Additionally, 30-second AlarmRecycle radio ads were heard on both stations prior to Canucks game, during the game, and as part of a post-game wrap-up. AlarmRecycle was also featured on the TSN 1040 Radio website via digital ads.

AlarmRecycle advertised on Vista Radio's network of stations (Vancouver Island, BC North and BC South networks) to promote the Program for six weeks starting, September 7, 2015. 30-second radio ads were aired on 15 stations across BC, including in the following cities: Port Hardy, Courtenay, Powell River, Campbell River, Nanaimo, Duncan, Smithers, Vanderhoof, Prince George, 100 Mile House, Quesnel, Williams Lake, Nelson, Castlegar, and Grand Forks.

ReGeneration sponsored 103.5 QM/FM's Nat & Drew Beat the Bank. Four times per day, listeners were invited to call the contest line for the chance to open QM/FM's virtual "vault". The sponsorship included a name mention in all produced promos and live liners, a name mention in the Daily Contest Plays, and a hot-link to ReGeneration.ca in QM/FM Listener Club E-newsletters and Beat the Bank Contest Web Listening on qmfm.com.

Events
- ReGeneration, representing AlarmRecycle, PaintRecycle and LightRecycle, attended the BC Home & Garden Show, Party for the Planet, Vancouver Landfill Open House, Regional Recycling Richmond Environment Week and Car Free Days with the goal of educating people on the importance of waste diversion and recycling.
- AlarmRecycle attended the Interior Provincial Exhibition in Armstrong BC from September 2 to 6, 2015.
- ReGeneration sponsored the Vancouver Home & Design Show (October 22-25, 2015) providing 8,000 reusable bags that were given to event goers. The sponsorship provided exposure and a call to action to visit the ReGeneration.ca website to more than 39,000 consumers in attendance.

Partnership

In September 2015, Product Care Association contracted with fire halls and city departments across British Columbia for Fire Prevention Week (October 4-10, 2015).
- AlarmRecycle sent out promotional materials (rack cards, posters and activity books) to 11 fire halls and city departments for distribution to communities during Fire Prevention Week events.
- A new custom AlarmRecycle activity book was developed for distribution during Fire Prevention Week (see Appendix B). This education piece informs children both about the importance of

ensuring that household smoke and CO alarms are current and in good working order, as well as about the need to recycle expired, broken and unwanted alarms at one of BC's many AlarmRecycle collection sites.

AlarmRecycle collaborated with the Recycling Council of British Columbia in their Hotline and Recyclepedia consumer enquiry resources, the Stewardship Association of BC's (SABC) Recycling Handbook and in the BC Recycles Ambassador tour. This latter was a joint community event and stakeholder relations initiative (in association with select other SABC stewardship groups), through which a team of trained ambassadors travelled the province bearing program-branded informational materials and interacted with consumers, municipal and regional governments and collection sites, providing information about the AlarmRecycle program.

4. Collection System and Facilities

AlarmRecycle contracts with existing collection sites across BC where end users can return their smoke and CO alarms. There is no charge for consumers to drop-off their products. Product Care does not directly own or manage any collection sites, but rather contracts with all collection sites. At the end of 2015, the collection system was comprised of 185 advertised collection sites, including 72 return-to-retail locations, 14 local government facilities, 2 fire departments and 97 private recycling depots. Eleven collection sites were added and three collection sites were removed during 2015. Table 1 below provides a breakdown of the different types of collection sites in 2014 and 2015. Appendix C provides a complete list of collection sites as of December 31, 2015. Appendix D lists the number of collection sites in each regional district.

Table 1: Collection Site by Type (2014 and 2015)

Collection Site Type	# in 2014	# in 2015
Retailers	73	72
Local government	14	14
Recycling depots	87	97
Fire departments	3	2
Total	**177**	**185**

AlarmRecycle supplements the collection system with a Large Volume End User (LVEU) program. The LVEU program provides a free pick-up service from any entity that generates large volumes (i.e., more than 40) of smoke and CO alarms. In 2015, 52 entities were signed-up as LVEUs with AlarmRecycle, including fire safety organizations, electrical distributors, local government facilities and others.

5. Product Environmental Impact Reduction, Reusability and Recyclability

Reduce and Redesign

While the principal purpose of smoke and CO alarms is safety, the industry continues to take into account environmental considerations. The smoke and CO alarm industry maintains efforts to reduce the environmental impact of their products. Ionization foil stamping technology ensures less waste and precious metals are produced in this stage of the manufacturing process. The amount of plastic and other materials in a typical smoke alarm continue to decrease while the use of recyclable materials in product packaging increase. For example, some manufacturers now create alarms with 75% to 80% recyclable materials. Finally, there is a continued trend in the industry away from 9 volt towards 3 volt alarms to reduce the number of batteries required for product operation.

Manufacturers regularly review the design of their products for functionality, sustainability and impact on the environment, ensuring compliance with environmental requirements. In addition, some manufacturers are looking into implementing best practice environmental standards from one region across all products sold to different countries, rather than just implementing the standards in the country that mandates them. An example of a best practice environmental standard is the RoHS (Restriction of Hazardous Substances) initiative in Europe, which restricts the use of certain hazardous materials found in electrical and electronic products.

Reuse and Repair

Given the requirement that new smoke and CO alarms be certified for safety purposes and the absolute importance that program products function properly in the case of an emergency, the repair or reuse of returned products or product components is not considered viable.

Recycle, Recover and Dispose

It is the Program's intention to recycle as many components of returned products as possible, subject to economic conditions, such as fluctuations in demand and commodity prices.

6. Pollution Prevention Hierarchy and Product / Component Management

The following is based on information provided by the Program's downstream processor, where available, or based on the understanding of the service agreement with the downstream processor.[2]

Although not widely known by the general public, the use of ionization smoke detectors is quite common. A radioactive source is used within the detector to ionize the air and produce a small electric current. When smoke enters the detector chamber, the current is interrupted, which causes the alarm to sound.

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[2] The information detailed in this section may have a degree of uncertainty as the program has not verified product management information to a reasonable assurance level in accordance with audit standards. However, there is greater confidence in the end fate of hazardous wastes given the framework of regulatory requirements governing hazardous materials and commensurate oversight by various environmental departments and agencies.

The radioactive element used in the smoke detector is most commonly Americium-241 (Am-241) which emits alpha radiation (or alpha particles). The source of radioactivity is quite small.

The boxes of collected units are consolidated in PCA's Surrey facility until sufficient quantities are amassed for sorting and consolidation.[3] During consolidation, all collected smoke and CO alarms have their batteries removed and sent for recycling. PCA has collaborated with the Call2Recycle stewardship program to recycle batteries through their program. The alarms are sorted and counted before being shipped to an approved and licensed downstream processor.

At the downstream processor's facility, prior to dismantling, each smoke alarm is categorized by brand and radioactive source type, and inventoried by a trained technician. According to information obtained from end fate surveys completed by the downstream processors, the plastic and metal components are separated and sent for recycling, and the Am-241 foil is shipped for final disposal at a licensed radioactive waste facility. Table 2 provides a summary of the management of all alarm sub-components, according to information provided by the program's downstream processor.

Table 2: Product / Component Management [4]

Type of Alarm	Sub-component	Recycled	Storage at a licensed long-term storage facility
Radioactive Alarms	Radioactive Cells		100%
	Plastic	100%	
	Metal	100%	
Photovoltaic (non-radioactive alarms)	Plastic	100%	
	Metal	100%	

7. Product Sold and Collected and Recovery Rate

Products Sold

The BC smoke and CO alarm market is primarily served by three brand owners. Given the small number of manufacturers of these products selling into the BC market, it was approved by the Ministry of Environment that aggregated sales data for AlarmRecycle members would not be made publicly available, as is done with other stewardship programs.

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[3] Some of the alarms collected in 2015 were not shipped for processing until the subsequent year. Statements regarding the end fate of alarms are in reference to materials processed in 2015 only.

[4] Based on information provided in end fate surveys completed by the Program's primary processors.

Collection Volumes

Smoke and CO alarms are collected at collection sites in boxes, totes or mega bags, depending on the volume they expect to receive. Between January 1 and December 31, 2015, the Program collected approximately 66,481 units, as shown below in Table 3 below.

The number of alarms collected in small containers (boxes and totes) was determined by multiplying the number of small containers collected each month by a conversion factor of 43 alarms per small container. The conversion factor was calculated by averaging the sorted values of more than 1,000 small collection containers, which were collected in 2015 and counted at the time of sorting and consolidation in Product Care's Surrey facility.

The number of program units in the 16 mega-bags collected in 2015 was determined based on actual counts completed at PCA's Surrey facility.

Table 3: Units Collected, January 1 – December 31, 2015

	January 1 to December 31, 2015	# of Alarms Collected
# of Small Containers	1,160	49,880
# of Mega Bags	16	16,601
Total	**1,176**	**66,481**

Units Collected by Regional District

Table 4 illustrates the approximate number of smoke and CO alarms collected from each of the Province's regional districts between January 1 and December 31, 2015.

Table 4: Total Smoke and CO Alarms Collected by Regional District, 2015

Regional District	# Small Containers[5]	# Mega Bags[6]	# of Smoke & CO Alarms
Alberni-Clayoquot	0	0	0
Bulkley-Nechako	0	0	0
Capital	105	1	5,553
Cariboo	6	0	258
Central Coast	1	0	43
Central Kootenay	5	0	215
Central Okanagan	104	0	4,472
Columbia-Shuswap	5	0	215
Comox Valley	13	0	559
Cowichan Valley	12	0	516

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[5] Conversion factor used: 43 units per small container.

[6] The number of program units in the 16 mega-bags collected in 2015 was based on actual counts by Surrey facility staff.

Regional District	# Small Containers[5]	# Mega Bags[6]	# of Smoke & CO Alarms
East Kootenay	5	0	215
Fraser-Fort George	9	0	387
Fraser Valley	82	11	14,939
Kitimat-Stikine	0	0	0
Kootenay Boundary	5	0	215
Metro Vancouver	614	4	30,552
Mount Waddington	0	0	0
Nanaimo	40	0	1,720
North Okanagan	23	0	989
Northern Rockies	0	0	0
Okanagan-Similkameen	88	0	3,784
Peace River	3	0	129
Powell River	0	0	0
Skeena-Queen Charlotte	0	0	0
Squamish-Lillooet	16	0	688
Strathcona	8	0	344
Sunshine Coast	1	0	43
Thompson-Nicola	15	0	645
Total	**1,160**	**16**	**66,481**

Collection Rate and Targets

Given the unique nature of the smoke and CO alarm market in BC, the Program cannot report out on recovery rate as a performance measure. A recovery rate compares the amount of materials collected to the amount of material sold over the same time period. Collection and sales data are typically published alongside the recovery rate in order to substantiate a percentage based recovery rate. In the case of smoke and CO alarms, given the small number of companies selling these products into the BC market, calculating the recovery rate would permit competitors to estimate the sales data of individual companies, which is confidential business information. A simple percentage recovery rate does not provide a meaningful measure of Program performance in the absence of an appreciation of the number of units sold in the same period.

PCA submitted AlarmRecycle's collection rate targets to the Ministry of Environment on April 1, 2013 in accordance with its commitment under the approved Program Plan. In the submission, PCA committed to a 5% annual increase in the number of program products collected, over the 2012 baseline of 21,326 units. The Program collected approximately 66,481 units in 2015, exceeding the year's collection target of 25,468 units by 41,013 units, or 161%. Table 5 summarizes the submitted collection rate targets and actual units collected for 2013 to 2015.

Table 5: AlarmRecycle Collection Rate Targets

	Baseline	Collection Targets		
Year	2012	2013	2014	2015
Units Collected Target	21,326	23,100	24,255	25,468
Actual Units Collected		32,460	44,253	66,481

8. Revenues and Expenditures

AlarmRecycle is funded by membership fees, known as environmental handling fees (EHFs), remitted to PCA by its members based on the volume of sales of smoke and CO alarms in British Columbia. The EHF rates are set by PCA. In some cases, retailers recover the fees from consumers as a separate visible EHF. Program revenues are applied to the operation of the Program, including administration, education, collection system, transport, recycling and disposal of collected products as well as a reserve fund. Table 6 illustrates the EHFs for Program products effective since October 1, 2011.

Table 6: Environmental Handling Fees as of October 1, 2011

Unit Type	EHF
Smoke Alarms and Combination Smoke/CO Alarms	$1.20
Carbon Monoxide (CO) Alarms	$0.60

Table 7 shows AlarmRecycle revenues and expenditures for 2015. Additionally, a copy of the independent financial audit of the Program's revenues and expenses can be found in Appendix E.

Table 7: 2015 AlarmRecycle Revenue and Expenditures

	Amount
Total Revenues	$ 559,077
Total Expenses	$ 738,873

9. Plan Performance

Table 8 summarizes the Program's key performance targets for 2015, as committed to in the Program Plan and the collection rate target submission to the Ministry of Environment dated April 1, 2013, along with actual performance values and strategies for improving performance in 2016.

Table 8: 2015 Key Program Targets and Performance

2015 Key Program Targets and Performance		
Part 2 section 8(2)(g)		
2015 Program Plan Targets	**2015 Performance**	**Strategies for Improvement**
Collection target of 25,468 units based on 5% annual increase from 2012 baseline of 21,326 units.	**Target Exceeded:** Approximately 66,481 units collected.	n/a
The Program will work with other stewardship programs to try to limit consumer confusion and to develop communication synergies between programs.	**Target Met:** As part of SABC, AlarmRecycle worked with other stewardship organizations (e.g. LightRecycle and PaintRecycle) in outreach to stakeholders. In addition, AlarmRecycle engaged RCBC for hotline and Recyclepedia services.	AlarmRecycle will continue to reach out to community groups and work with other stewardship programs, where synergies exist.

APPENDIX A. 2015 AlarmRecycle Members

Company
0797222 BC LTD DBA Pine Lighting
7594828 Canada inc. (o/a TruServ Canada)
Acklands-Grainger Inc
Acme Fire and Safety Co Ltd.
Ameleco Electric Inc.
Amway Canada Corp.
Bed, Bath & Beyond Canada L.P.
Best Buy Canada
Bright Ideas Maple Ridge Lighting, Inc.
Canadian Tire Corporation
Cascade Bath & Lighting Ltd.
Chalifour Canada Ltd.
Corporate Express Canada, Inc.
Costco Wholesale Canada
Dicon Global Inc.
Euroline Lighting and Plumbing Inc.
Farley Manufacturing Inc.
Federated Cooperatives Ltd.
Fibretech Distributors Inc.
Fire Marshal's Public Fire Safety Council's Distribution Centre
Franklin Empire
Gescan, Division of Sonepar Canada Inc.
Guillevin International Inc.
HD Supply Canada
Her Majesty in right of Canada as represented by the staff of the non-public funds Canadian Forces
Home Depot Canada
Home Hardware
Hudson Bay Company
Illuminations Lighting Solutions
Indigo Books and Music Inc.
Kerrisdale Lumber Co. Ltd.
Kidde Canada
Lite-scape Lighting Inc.
Loblaw Companies Ltd.
London Drugs Ltd.
Lowe's Companies Canada, ULC
Mircom Distribution (BC) Inc.
National Fire Equipment Ltd.

Company
Nedco (a division of Rexel Canada Electrical Inc.)
Orgill Canada Hardlines ULC
Pacific Coast Fire Equipment
Peavey Industries Ltd.
Pharmasave #221 - Mill Bay Pharmacy
Pharmasave #231 (Leinshare Holdings Inc.)
Pine Lighting Ltd.
Renegade Electric Supply LTD
Robertson Electric Wholesale British Columbia Limited
RONA Inc.
Royal City Fire Supplies Ltd
Royal Lighting & Electrical Supply Ltd.
Save More Lighting Ltd.
Serva-Lite Sales
Shadow Lighting & Supplies Inc.
Shoppers Drug mart
Slegg Building Materials Ltd.
Staples Canada Inc.
Troy Life & Fire Safety Ltd.
Walmart Canada Corp.
West Point Lighting Ltd.
Westburne West (a division of Rexel Canada Electrical Inc.)
Westcraft Lighting Ltd

APPENDIX B.   2015 AlarmRecycle Communication Materials

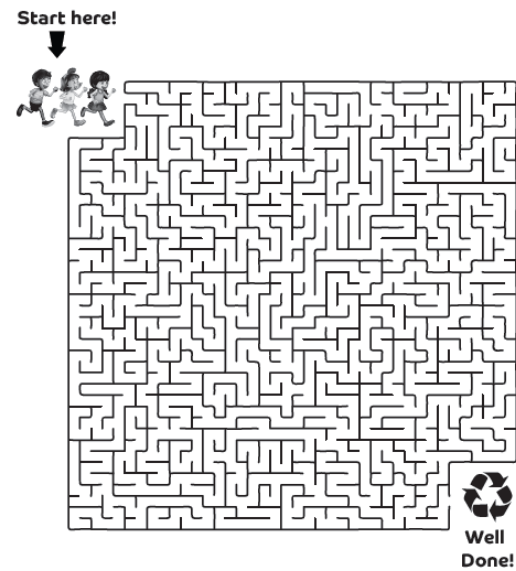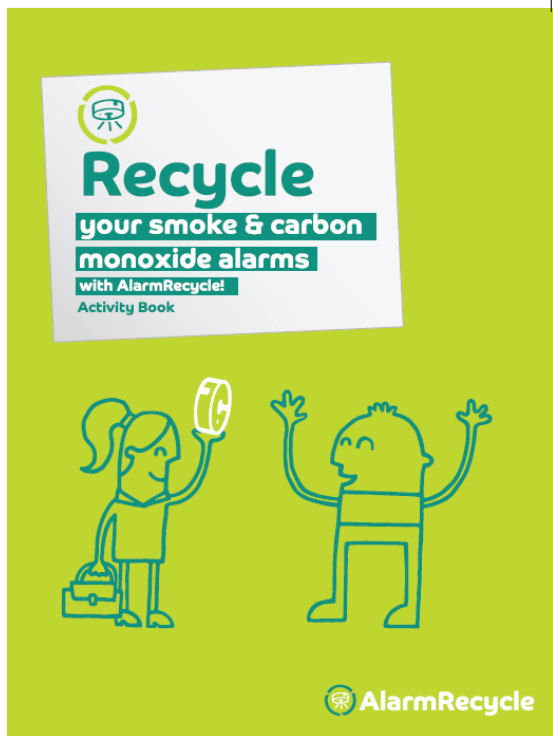**Point of Sale and Point of Return Materials**

AlarmRecycle 5x8 Rack Card – Front (left) and Back (right):

AlarmRecycle 11x17 Poster:

AlarmRecycle Activity Book – Front (left) and Sample Page (right):

APPENDIX C.   Complete List of all 2015 AlarmRecycle Collection Sites

Collection Site Name	City	Regional District	Postal Code
Port Alberni Recycling Depot	Port Alberni	Alberni-Clayoquot	V9Y 4E8
Tofino Bottle Depot	Tofino	Alberni-Clayoquot	V0R 2Z0
Ucluelet Bottle Depot	Ucluelet	Alberni-Clayoquot	V0R 3A0
Westcoast Home Hardware	Port Alberni	Alberni-Clayoquot	V9Y 4E5
Smithers Home Hardware	Smithers	Bulkley Nechako	V0J 2N0
Burns Lake Return-It Recycling Depot	Burns Lake	Bulkley-Nechako	V0J 1E0
Fraser Lake Bottle Depot	Fraser Lake	Bulkley-Nechako	V0J 1S0
Houston Bottle Depot	Houston	Bulkley-Nechako	V0J 1Z0
Island Return-It Recycling Centre Esquimalt	Esquimalt	Capital	V9A 4R9
Island Return-It Recycling Centre Sidney	Sidney	Capital	V8L 5X3
Alpine Disposal & Recycling	Langford	Capital	V9B 2S4
Capital City and Sidney Fire Equipment Ltd.	Sidney	Capital	V8L 2X3
Hartland Recycling Depot	Victoria	Capital	V9E 1J9
London Drugs #14	Victoria	Capital	V8X 1J8
London Drugs #29	Victoria	Capital	V8V 3M4
London Drugs #46	Victoria	Capital	V9B 1V8
London Drugs #54	Victoria	Capital	V9A 7C5
Mayne Island Recycling Society	Mayne Island	Capital	V0N 2J1
Oak Bay Recycling Depot	Victoria	Capital	V8R 5L7
Pender Island Recycling Society	Pender Island	Capital	V0N 2M1
Salt Spring Island Recycling	Saltspring Island	Capital	V8K 2K6
Sooke Home Hardware	Sooke	Capital	V9Z 0A4
Canadian Tire Williams Lake	Williams Lake	Cariboo	V2G 3A6
Cariboo Metal Recycling	Quesnel	Cariboo	V2J 5T8
Century Hardware Ltd.	100 Mile House	Cariboo	V0K 2E0
Gold Trail Recycling	100 Mile House	Cariboo	V0K 2E0
Lone Butte Supply	100 Mile House	Cariboo	V0K 2E0
Bella Coola Recycling Depot	Bella Coola	Central Coast	V0T 1C0
Thorsen Creek Recycling Depot	Bella Coola	Central Coast	V0T 1C0
Heiltsuk Environmental Bella Bella Eco-Depot	Bella Bella	Central Coast	V0T 1Z0
Kaslo Building Supplies	Kaslo	Central Kootenay	V0G 1M0
Nelson Home Hardware Building Centre	Nelson	Central Kootenay	V1L 6B9

Collection Site Name	City	Regional District	Postal Code
Boucherie Self Storage & Bottle Depot	Kelowna	Central Okanagan	V1Z 2M9
London Drugs #12	Kelowna	Central Okanagan	V1Y 8J8
London Drugs #76	Westbank	Central Okanagan	V4T 1Y2
Planet Earth Recycling	West Kelowna	Central Okanagan	V4T 1Y2
The Battery Doctors	Kelowna	Central Okanagan	V1Y 4R5
Bill's Bottle Depot	Salmon Arm	Columbia-Shuswap	V1E 3K1
Home Hardware Revelstoke	Revelstoke	Columbia-Shuswap	V0E 2S0
Scotch Creek Bottle Depot	Scotch Creek	Columbia-Shuswap	V0E 1M5
Comox Valley Waste Management Centre	Cumberland	Comox Valley	V0R 1S0
Courtenay Return-It Depot	Courtenay	Comox Valley	V9N 3P9
London Drugs #67	Courtenay	Comox Valley	V9N 2L8
Bings Creek Solid Waste Complex	North Cowichan	Cowichan Valley	V9L 6K9
Island Return-It Recycling Centre Duncan	Duncan	Cowichan Valley	V9L 5T3
Island Return-It Recycling Centre South Cowichan	Cobble Hill	Cowichan Valley	V0R 1L2
Junction Bottle Depot Ltd.	Ladysmith	Cowichan Valley	V9G 1A3
London Drugs #77	Duncan	Cowichan Valley	V9L 3P8
Meade Creek Recycling Drop-Off Depot	Lake Cowichan	Cowichan Valley	V0R 2G0
Peerless Road Recycling Drop-Off Depot	Ladysmith	Cowichan Valley	V9G 1A4
Cranbrook Bottle Depot	Cranbrook	East Kootenay	V1C 5E3
Home Hardware Cranbrook	Cranbrook	East Kootenay	V1C 7J2
Invermere Fire Department	Invermere	East Kootenay	V0A 1K0
New & Nearly New	Kimberley	East Kootenay	V1A 1R5
Abbotsford Bottle Depot	Abbotsford	Fraser Valley	V2S 2A3
Abbotsford Community Services Recycling	Abbotsford	Fraser Valley	V2S 3S9
Agassiz Bottle Depot	Agassiz	Fraser Valley	V0M 1A2
Chilliwack Bottle Depot	Chilliwack	Fraser Valley	V2P 1K5
London Drugs #16	Abbotsford	Fraser Valley	V2T 4M5
London Drugs #41	Chilliwack	Fraser Valley	V2R 1A1
London Drugs #55	Mission	Fraser Valley	V2V 6M7
London Drugs #85	Abbotsford	Fraser Valley	V2T 0C5
Mission Recycling Depot	Mission	Fraser Valley	V2V 4M5
Regional Recycling – Abbotsford	Abbotsford	Fraser Valley	V2S 7P6
RONA Home Centre (Hope)	Hope	Fraser Valley	V0X 1L0

Collection Site Name	City	Regional District	Postal Code
Sardis Bottle Depot	Chilliwack	Fraser Valley	V2R 3N5
London Drugs #51	Prince George	Fraser-Fort George	V2L 3X3
PG Recycling & Return-It Centre	Prince George	Fraser-Fort George	V2N 1P2
Valemount Recycling Centre	Valemount	Fraser-Fort George	V0E 2Z0
Border Town Recycling Group	Stewart	Kitimat Stikine	V0T 1W0
KUTE-Kitimat Recycling Depot	Kitimat	Kitimat-Stikine	V8C 2G2
Grand Forks Bottle Depot	Grand Forks	Kootenay Boundary	V0H 1H2
Grand Forks Home Hardware	Grand Forks	Kootenay Boundary	V0H 1H0
Trail Bottle Depot	Trail	Kootenay Boundary	V1R 3M8
Biggar Bottle Depot	Port Coquitlam	Metro Vancouver	V3C 1T5
Coquitlam Return-It Depot	Coquitlam	Metro Vancouver	V3H 1W3
Coquitlam Transfer Station	Coquitlam	Metro Vancouver	V3K 6T4
Tsawwassen Return-It Centre (D&G Recycling Ltd.)	Delta	Metro Vancouver	V4L 1C4
Fleetwood Bottle Return Depot Ltd.	Surrey	Metro Vancouver	V3R 3P2
Joe's Bottle Depot	Vancouver	Metro Vancouver	V5V 3P9
Ladner Bottle Depot	Delta	Metro Vancouver	V4K 2Y1
Langley Bottle Depot	Langley	Metro Vancouver	V3A 4K6
London Drugs #10	Vancouver	Metro Vancouver	V6M 2B4
London Drugs #11	Richmond	Metro Vancouver	V6X 2E3
London Drugs #15	Coquitlam	Metro Vancouver	V3B 5R5
London Drugs #17	Delta	Metro Vancouver	V4C 6P5
London Drugs #18	Langley	Metro Vancouver	V2Y 1P3
London Drugs #19	Vancouver	Metro Vancouver	V6E 1B5
London Drugs #2	Vancouver	Metro Vancouver	V6Z 1E4
London Drugs #25	Burnaby	Metro Vancouver	V3J 1N4
London Drugs #28	Vancouver	Metro Vancouver	V5R 5L1
London Drugs #3	New Westminster	Metro Vancouver	V3M 3X3
London Drugs #37	Delta	Metro Vancouver	V4K 1W4
London Drugs #4	Vancouver	Metro Vancouver	V5Z 1E6
London Drugs #42	South Surrey	Metro Vancouver	V4A 2H9
London Drugs #44	West Vancouver	Metro Vancouver	V7T 1H9
London Drugs #47	Maple Ridge	Metro Vancouver	V2X 2V5
London Drugs #5	North Vancouver	Metro Vancouver	V7M 2K5
London Drugs #50	Vancouver	Metro Vancouver	V6G 1V9
London Drugs #52	Richmond	Metro Vancouver	V7A 5J3

Collection Site Name	City	Regional District	Postal Code
London Drugs #53	Vancouver	Metro Vancouver	V5P 3W2
London Drugs #56	Burnaby	Metro Vancouver	V5C 3Z6
London Drugs #6	Burnaby	Metro Vancouver	V5H 2E2
London Drugs #7	Vancouver	Metro Vancouver	V5K 1Z1
London Drugs #71	Burnaby	Metro Vancouver	V5J 0A2
London Drugs #74	Vancouver	Metro Vancouver	V6K 2E3
London Drugs #75	Surrey	Metro Vancouver	V3S 1Z2
London Drugs #78	Vancouver	Metro Vancouver	V6B 0G6
London Drugs #8	Surrey	Metro Vancouver	V3T 2W5
London Drugs #81	Surrey	Metro Vancouver	V3S 2N6
London Drugs #82	Vancouver	Metro Vancouver	V5Y 0E4
London Drugs #9	Surrey	Metro Vancouver	V3R 1B9
Lougheed Return-It	Coquitlam	Metro Vancouver	V3K 6N5
New Westminster Recycling Depot	New Westminster	Metro Vancouver	V3L 2J1
Newton Bottle Depot	Surrey	Metro Vancouver	V3W 2N5
North Shore Bottle Depot	North Vancouver	Metro Vancouver	V7P 2L6
North Shore Transfer Station	North Vancouver	Metro Vancouver	V7H 1T4
North Van Bottle and Return -it Depot	North Vancouver	Metro Vancouver	V2J 2C1
Panorama Village Return-It	Surrey	Metro Vancouver	V3S 9A5
Powell Street Return-It Bottle Depot	Vancouver	Metro Vancouver	V5L 1H9
Queensborough Landing Return-It	New Westminster	Metro Vancouver	V3M 5K2
Regional Recycling – Burnaby	Burnaby	Metro Vancouver	V5B 3A9
Regional Recycling – Cloverdale	Surrey	Metro Vancouver	V3S 6C8
Regional Recycling – Richmond	Richmond	Metro Vancouver	V6V 1K2
Regional Recycling – Vancouver	Vancouver	Metro Vancouver	V6A 2L2
Ridge Meadows Recycling Society	Maple Ridge	Metro Vancouver	V2X 7G2
Scott Road Bottle Depot	Surrey	Metro Vancouver	V3W 3H8
Semiahmoo Bottle Depot	Surrey	Metro Vancouver	V4A 2J4
South Van Bottle Depot	Vancouver	Metro Vancouver	V5X 4K6
Steveston Return -It	Richmond	Metro Vancouver	V7E 3R7
Surrey Transfer Station	Surrey	Metro Vancouver	V4N 4C6
Walnut Grove Bottle Depot	Langley	Metro Vancouver	V1M 4B9
Wesbrook Community Centre	Vancouver	Metro Vancouver	V6T 1W5
Willowbrook Recycling Depot	Langley	Metro Vancouver	V3A 1A8

Collection Site Name	City	Regional District	Postal Code
Aldergrove Return-It	Aldergrove	Metro Vancouver	V4W 3N5
Go Green Depot & Recycling	Vancouver	Metro Vancouver	V5X 2G9
RONA (Alert Bay)	Alert Bay	Mount Waddington	V0N 2R0
Seven Mile Recycling Centre	Port McNeil	Mount Waddington	V0N 2R0
Parksville Bottle & Recycling Depot	Parksville	Nanaimo	V9P 1J9
Gabriola Island Recycling	Gabriola Island	Nanaimo	V0R 1X3
London Drugs #36	Nanaimo	Nanaimo	V9R 5E2
London Drugs #72	Nanaimo	Nanaimo	V9T 4K6
Nanaimo Recycling Exchange Society	Nanaimo	Nanaimo	V9T 5K4
Parksville Home Hardware	Parksville	Nanaimo	V9P 2G7
Regional Recycling – Nanaimo	Nanaimo	Nanaimo	V9R 5Z9
Regional Recycling – Nanaimo	Nanaimo	Nanaimo	V9T 3X3
Chasers Bottle Depot	Vernon	North Okanagan	V1T 6Y4
Enderby Return-It Recycling Depot	Enderby	North Okanagan	V0E 1V0
Interior Freight & Bottle Ltd.	Vernon	North Okanagan	V1T 1M1
London Drugs #39	Vernon	North Okanagan	V1T 9H2
Shepherds Home Hardware	Armstrong	North Okanagan	V0E 1B0
Venture Training Vernon	Vernon	North Okanagan	V1T 6H3
Wide Sky Disposal	Fort Nelson	Northern Rockies	V0C 1R0
The Hut Bottle Depot	Princeton	Okanagan-Similkameen	V0X 1W0
Campbell Mountain Landfill	Penticton	Okanagan-Similkameen	V2A 8T3
J&C Bottle Depot (formerly Penticton Recycling & Bottle Depot)	Penticton	Okanagan-Similkameen	V2A 3J4
Keremeos Landfill	Keremeos	Okanagan-Similkameen	V0X 1N1
London Drugs #70	Penticton	Okanagan-Similkameen	V2A 6W6
Okanagan Falls Landfill	Okanagan Falls	Okanagan-Similkameen	V0H 1R2
Oliver Sanitary Landfill	Oliver	Okanagan-Similkameen	V2A 5J9
Osoyoos Bottle Depot	Osoyoos	Okanagan-Similkameen	V0H 1V0
Chetwynd Recycling and Bottle Depot	Chetwynd	Peace River	V0C 1J0
D.C. Recycling & Bottle Depot	Dawson Creek	Peace River	V1G 1W2
Eco-Depot Recycling	Fort St. John	Peace River	V1J 1G4
FSJ Bottle Drop	Fort St. John	Peace River	V1J 1E2
Augusta Recyclers Ltd.	Powell River	Powell River	V8A 4Z2
Island Solid Waste Management	Port Clements	Skeena-Queen Charlotte	V0T 1Y0
Regional Recycling – Prince Rupert	Prince Rupert	Skeena-Queen Charlotte	V8J 1A6
Carney's Waste Systems - Pemberton	Pemberton	Squamish-Lillooet	V8B 0K8

Collection Site Name	City	Regional District	Postal Code
Carney's Waste Systems - Squamish	Squamish	Squamish-Lillooet	V8B 0K8
Carney's Waste Systems - Whistler	Whistler	Squamish-Lillooet	V0N 1B1
London Drugs #80	Squamish	Squamish-Lillooet	V8B 0G2
Regional Recycling – Whistler	Whistler	Squamish-Lillooet	V0N 1B0
Campbell River Waste Management Centre	Campbell River	Strathcona	V9H 1P3
Canadian Tire Campbell River	Campbell River	Strathcona	V9W 8C9
Island Return-It Recycling Centre Campbell River	Campbell River	Strathcona	V9W 3M7
London Drugs #73	Campbell River	Strathcona	V9W 3A6
Village of Gold River	Gold River	Strathcona	V0P 1G0
Gibsons Recycling Depot	Gibsons	Sunshine Coast	V0N 1V0
London Drugs #61	Gibsons	Sunshine Coast	V0N 1V7
Trail Bay Hardware	Sechelt	Sunshine Coast	V0N 3A0
Home Hardware Merritt	Merritt	Thompson-Nicola	V1K 1B8
Kamloops Fire Rescue	Kamloops	Thompson-Nicola	V2C 5R9
London Drugs #35	Kamloops	Thompson-Nicola	V2C 1Y3
Quality Glass Ltd.	Ashcroft	Thompson-Nicola	V0K 1A0

APPENDIX D.   Breakdown of Collection Sites by Regional District

Regional District	# of Collection Sites
Alberni-Clayoquot	4
Bulkley-Nechako	4
Capital	14
Cariboo	5
Central Coast	3
Central Kootenay	2
Central Okanagan	5
Columbia-Shuswap	3
Comox Valley	3
Cowichan Valley	7
East Kootenay	4
Fraser-Fort George	3
Fraser Valley	12
Kitimat-Stikine	2
Kootenay Boundary	3
Metro Vancouver	62
Mount Waddington	2
Nanaimo	8
North Okanagan	6
Northern Rockies	1
Okanagan-Similkameen	8
Peace River	4
Powell River	1
Skeena-Queen Charlotte	2
Squamish Lillooet	5
Strathcona	5
Sunshine Coast	3
Thompson-Nicola	4
Total	**185**

APPENDIX E.   2015 Independent Financial Audit

PRODUCT CARE ASSOCIATION
BC SMOKE AND CARBON MONOXIDE
(CO) ALARMS PROGRAM

STATEMENT OF REVENUES AND EXPENSES

31 DECEMBER 2015

PRODUCT CARE ASSOCIATION
BC SMOKE AND CARBON MONOXIDE (CO) ALARMS PROGRAM
Statement of Revenues and Expenses
For the year ended 31 December 2015

Contents

ROLFE, BENSON LLP
CHARTERED PROFESSIONAL ACCOUNTANTS

INDEPENDENT AUDITORS' REPORT

To: BC Ministry of Environment,

As required the British Columbia Environmental Management Act, Recycling Regulation 8(2)(f)(ii), we have audited the Statement of Revenues and Expenses of the BC Smoke and Carbon Monoxide (CO) Alarms Program (the "Statement") as reported by Product Care Association for the year ended 31 December 2015 and a summary of significant accounting policies and other explanatory information.

Management's Responsibility for the Statement

Management is responsible for the preparation of the Statement in accordance with Canadian accounting standards for not-for-profit organizations, and for such internal control as management determines is necessary to enable the preparation of the Statement that is free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on the Statement based on our audit. We conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance about whether the Statement is free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the Statement. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the Statement, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation of the Statement in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the Statement.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

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INDEPENDENT AUDITORS' REPORT - continued

Opinion

In our opinion, the Statement presents fairly, in all material respects, the revenues and expenses of the BC Smoke and Carbon Monoxide (CO) Alarms Program as reported by Product Care Association for the year ended 31 December 2015 in accordance with Canadian accounting standards for not-for-profit organizations.

Restriction on Distribution

This report is prepared on the direction of Product Care Association's management and the BC Ministry of Environment. As a result, the report may not be suitable for another purpose. Our report is intended solely for Product Care Association's management and the BC Ministry of Environment and should not be distributed to other parties.

Rolfe, Benson LLP

CHARTERED PROFESSIONAL ACCOUNTANTS

Vancouver, Canada
1 April 2016

PRODUCT CARE ASSOCIATION
BC SMOKE AND CARBON MONOXIDE (CO) ALARMS PROGRAM
Statement of Revenues and Expenses
For the year ended 31 December 2015

		2015
Revenues	$	559,077
Program expenses		
Processing (Note 3)		499,660
Collection		40,850
Transportation		27,031
Depot supplies		1,846
		569,387
General and administrative expenses		
Communications		109,214
Administration		10,488
Overhead allocation (Note 2(c))		53,980
		173,682
Total expenses		743,069
Deficiency of revenues over expenses for the year	$	(183,992)

Commitment (Note 3)

The accompanying notes are an integral part of this statement.

ROLFE, BENSON LLP
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PRODUCT CARE ASSOCIATION
BC SMOKE AND CARBON MONOXIDE (CO) ALARMS PROGRAM
Notes to the Statement of Revenues and Expenses
For the year ended 31 December 2015

1. **Basis of Presentation**

    The Statement of Revenues and Expenses (the "Statement") only includes the revenues and expenses related to the BC Smoke and Carbon Monoxide (CO) Alarms Program, a segment of the operations of Product Care Association (the "Association").

2. **Summary of Significant Accounting Policies**

    The Statement is prepared in accordance with Canadian accounting standards for not-for-profit organizations. The significant policies are detailed as follows:

    (a) Revenue Recognition

         Eco-fees are received from members of the BC Smoke and Carbon Monoxide (CO) Alarms Program. The Association recognizes these fees as revenue when received or receivable if the amount to be received can be reasonably estimated and collection is reasonably assured. Eco-fee revenues are recognized as individual members report and remit them as required by applicable provincial environmental legislation.

    (b) Use of Estimates

         The preparation of financial statements in accordance with Canadian accounting standards for not-for-profit organizations requires management to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenues and expenses and disclosure of contingencies at the date of the balance sheet. Accounts subject to significant estimates include revenue accruals, expense accruals, overhead allocation and processing commitments. Actual results could differ from those estimates.

    (c) General and Administrative Expenses - Overhead Allocation

         A portion of the total general and administrative expenses of the Association, net of expense recoveries, has been allocated to this program. The allocation of general and administrative expenses to this program is determined using the percentage of program specific operating expenses as compared to total operating expenses for all the Association's programs.

3. **Processing Commitment**

    At year end, the Association had unprocessed program materials on hand with an estimated cost to process, transport and recycle of $317,127 which will be incurred in 2016.

ROLFE, BENSON LLP
CHARTERED PROFESSIONAL ACCOUNTANTS

APPENDIX F.   2015 Third Party Assurance Statement for Non-Financial Information

PRODUCT CARE ASSOCIATION OF CANADA

INDEPENDENT REASONABLE
ASSURANCE REPORT

31 DECEMBER 2015

INDEPENDENT REASONABLE ASSURANCE REPORT

To the Directors of
Product Care Association of Canada,

We have been engaged by Product Care Association of Canada (the "Association") to perform a reasonable assurance engagement in respect of the following information (the "Selected Information") detailed in Appendix 1, and also included within the Association's Annual Report for the BC Smoke and Carbon Monoxide (CO) Alarms ("AlarmRecycle") Program to the Ministry of Environment for the year ended 31 December 2015:

- Section 4 Collection System and Facilities and Appendix C - the location of collection facilities, and any changes in the number and location of collection facilities from the previous report in accordance with Section 8(2)(b) of BC Regulation 449/2004 (the "Recycling Regulation");
- Section 6 Pollution Prevention Hierarchy and Product/Component Management - the description of how the recovered product was managed in accordance with the pollution prevention hierarchy under Section 8(2)(d) of the Recycling Regulation;
- Section 7 Product Collected - the description of how total amounts of the producer's product collected has been calculated in accordance with Section 8(2)(e) of the Recycling Regulation; and
- Section 9 Plan Performance – the description of performance for the year in relation to targets in the approved stewardship plan under Section 8(2)(b), (d) and (e) of the Recycling Regulation.

Our reasonable assurance engagement does not constitute a legal determination on the Association's compliance with Sections 8(2)(b), (d) and (e) of the Recycling Regulation.

Responsibilities

Preparation and fair presentation of the Selected Information in accordance with the evaluation criteria as listed in Appendix 1 is the responsibility of the Association's management. Management is also responsible for such internal control as management determines is necessary to enable the preparation of the Selected Information such that it is free from material misstatement. Furthermore management is responsible for preparation of suitable evaluation criteria in accordance with the Third Party Assurance Requirements for Non-Financial Information in Annual Reports – 2015 Reporting Year dated February 2016 ("Assurance requirements") as specified by the Director under section 8(2)(h) of the Recycling Regulation of the Province of British Columbia.

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Our responsibility is to express an opinion on the Selected Information based on the procedures we have performed and the evidence we have obtained.

Evaluation Criteria

The evaluation criteria presented in Appendix 1 are an integral part of the Selected Information and address the relevance, completeness, reliability, neutrality and understandability of the Selected Information.

Scope of the Assurance Procedures

We carried out our reasonable assurance engagement in accordance with the International Standard on Assurance Engagements 3000 (ISAE 3000) published by the International Federation of Accountants. This Standard requires that we comply with independence requirements and plan and perform the engagement to obtain reasonable assurance about whether the Selected Information is free of material misstatement.

A reasonable assurance engagement includes examining, on a test basis, evidence supporting the amounts and disclosures within the Selected Information. The procedures selected depend on our judgement, including the assessment of the risks of material misstatement in the Selected Information due to omissions, misrepresentations and errors. In making those risk assessments, we consider internal control relevant to the entity's preparation and fair presentation of the Selected Information in order to design assurance procedures that are appropriate in the circumstances, but not for the purpose of expressing a conclusion on the effectiveness of the entity's internal control. A reasonable assurance engagement also includes assessing the evaluation criteria used and significant estimates made by management, as well as evaluating the overall presentation of the Selected Information. The main elements of our work were:

- Gain an understanding of the data collection, monitoring and reporting processes through inquiries of management;
- Testing the processes, documents and records on a sample basis;
- Re-calculating quantitative data on a sample basis as it pertains to the Selected Information;
- Ensuring the Selected Information is presented consistently in the Annual Report.

We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our conclusion.

Inherent Limitations

Non-financial performance information is subject to more inherent limitations than financial information, given the characteristics of the Selected Information and the methods used for determining and calculating such information. Qualitative interpretations of relevance, materiality and the accuracy of data are subject to individual assumptions and judgments. Furthermore, the nature and methods used to determine such information, as well the evaluation criteria and the precision thereof, may change over time. It is important to read our report in the context of the evaluation criteria.

Conclusion

In our opinion, the Selected Information within Product Care Association of Canada Annual Report for the BC Smoke and Carbon Monoxide (CO) Alarms Program for the year ended 31 December 2015 presents fairly in accordance with the evaluation criteria, in all material respects:

- the location of collection facilities, and any changes in the number and location of collection facilities from the previous report in accordance with Section 8(2)(b) of the Recycling Regulation;
- the description of how the recovered product was managed in accordance with the pollution prevention hierarchy under Section 8(2)(d) of the Recycling Regulation;
- the description of how total amounts of the producer's product collected has been calculated in accordance with Section 8(2)(e) of the Recycling Regulation; and
- the description of performance for the year in relation to targets in the approved stewardship plan under Section 8(2)(b), (d) and (e) of the Recycling Regulation.

Emphasis of Matter

Without qualifying our opinion, the following should be noted regarding the information contained in the Annual Report:

1. The Selected Information included in Section 6 Pollution Prevention Hierarchy and Product/Component Management is determined based on supporting documentation and survey responses from the primary processor. The Association has identified that a key assurance process in verifying product management is to perform due diligence activities such as periodic processor inspections. During the 2015 fiscal year, no processor inspections were performed. Hazardous materials are not tracked on shipping manifests until radioactive alarms are broken into sub-components and the radioactive material is sent from the primary processor to a secondary storage facility. This process is completed in the United States and falls under the US Environmental Protection Agency standards. No shipping documents have been reviewed to ensure these standards have been met. As such, there is uncertainty surrounding the Selected Information contained in the Pollution Prevention Hierarchy section of Appendix 1.

2. The amount of product sold and recovery rate was not included in the scope of the Selected Information. Given the small number of manufacturers of these products selling into the B.C. market, it was approved by the Ministry of Environment that aggregated sales data would not be made publicly available in the Annual Report. As the Association is not required to report sales data, the recovery rate has also been excluded from the scope of the Selected Information as sales data forms part of this calculation.

Other Matter

Our report has been prepared solely for the purposes of management's stewardship under the Recycling Regulation and is not intended to be and should not be used for any other purpose. Our duties in relation to this report are owed solely to the Association, and accordingly, we do not accept any responsibility for loss occasioned to any other party acting or refraining from acting based on this report.

Rolfe, Benson LLP

CHARTERED PROFESSIONAL ACCOUNTANTS

Vancouver, Canada
28 June 2016

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Appendix 1

Evaluation Criteria

Collection facilities

Specific disclosures in the annual stewardship report for which evaluation criteria were developed	
Disclosure per Annual Report	Reference
Total number of collection facilities – 185	Section 4 Collection System and Facilities - Table 1: Collection Site by Type (2014 and 2015) on page 8 and: Appendix C – Complete list of all 2015 AlarmRecycle Collection Sites on pages 19 - 24
Change in the number of collection facilities in 2015 – 11 collection sites added and 3 collection sites removed.	Section 4 Collection System and Facilities on page 8

The following evaluation criteria were applied to the assessment of the location of collection facilities, and any changes in the number and location of collection facilities from the previous report in accordance with Section 8(2)(b) of the Recycling Regulation:

- "Collection facilities" are depots that have a signed contract with the Association for the collection of program materials during the reporting period: 1 January – 31 December 2015, a physical location that is available to collect program materials, and the staff of the facility has an adequate understanding of the program.
- The Association maintains a listing of all collection facilities for the program, including the location of the collection facility, the total of which agrees to the number of collection facilities as disclosed in the Annual Report.
- Large volume end users (LVEU's) are excluded from the number of collection facilities.
- The change in number of collection facilities is calculated by comparing the current number of collection facilities, a sum of all the collection facilities that have a signed contract within a given reporting year and those that closed within the same reporting year, to the number of collection facilities reported in the prior reporting year.

Pollution prevention hierarchy

Specific disclosures in the annual stewardship report for which evaluation criteria were developed	
Disclosure per Annual Report	Reference
Alarm Type: Radioactive Alarms Sub-component: Radioactive cells End fate: 100% of product recovered stored at hazardous waste facility Sub-component: Plastic End fate: 100% of product recovered recycled Sub-component: Metal End fate: 100% of product recovered recycled Alarm Type: Photovoltaic (non-radioactive alarms)	Section 6 Pollution Prevention Hierarchy and Product/Component Management - Table 2: Product / Component Management on page 10 and footnote 4 on page 10

Sub-component: Plastic End fate: 100% of product recovered recycled Sub-component: Metal End fate: 100% of product recovered recycled "Based on information provided in end fate surveys completed by the Program's primary processors."	
"The following is based on information provided by the Program's downstream processor, where available, or based on the understanding of the service agreement with the downstream processor." "The information detailed in this section may have a degree of uncertainty as the program has not verified product management information to a reasonable assurance level in accordance with audit standards. However, there is greater confidence in the end fate of hazardous wastes given the framework of regulatory requirements governing hazardous materials and commensurate oversight by various environmental departments and agencies."	Section 6 Pollution Prevention Hierarchy and Product/Component Management - on page 9 and footnote 2 on page 9
"The boxes of collected units are consolidated in Product Care Association's Surrey facility until sufficient quantities are amassed for sorting and consolidation." "Some of the alarms collected in 2015 were not shipped for processing until the subsequent year. Statements regarding the end fate of alarms are in reference to materials processed in 2015 only."	Section 6 Pollution Prevention Hierarchy and Product/Component Management - on page 10 and footnote 3 on page 10
"According to information obtained from end fate surveys completed by the downstream processors, the plastic and metal components are separated and sent for recycling, and the Am-241 foil is shipped for final disposal at a licensed radioactive waste facility."	Section 6 Pollution Prevention Hierarchy and Product/Component Management - on page 10

The following evaluation criteria were applied to the assessment of how the recovered product is managed in accordance with the pollution prevention hierarchy in accordance with Section 8(2)(d) of the Recycling Regulation:

- The Association maintains a listing of all products shipped to the primary processor which is supported by shipping documents or processor invoices.
- The primary processor provides a Certificate of Management and Recycling indicating the amounts of Am-241 sent to long term hazardous waste storage facilities. No shipping documents or hazardous waste manifests were reviewed to confirm the shipment of materials to downstream processors.
- The primary processor provides information on product management in an annual questionnaire.
- The Association performs periodic site inspections of the processors facility. Site inspection criteria have been developed to confirm the responses in the questionnaire provided by the primary processor. No site inspections were performed during the 2015 fiscal year.

Product collected

Specific disclosures in the annual stewardship report for which evaluation criteria were developed	
Disclosure per Annual Report	**Reference**
# of alarms collected – in small containers 49,880 # of alarms collected – in mega bags 16,601	Section 7 Product Collected - Table 3: Units Collected, January 1 – December 31, 2015 on page 11
"The number of alarms collected in small containers (boxes and totes) was determined by multiplying the number of small containers collected each month by a conversion factor of 43 alarms per small container. The conversion factor was calculated by averaging the sorted values of more than 1,000 small collection containers, which were collected in 2015 and counted at the time of sorting and consolidation in Product Care's Surrey facility."	Section 7 Product Collected - on page 11
"The number of program units in the 16 mega-bags collected in 2015 was determined based on actual counts completed at Product Care's Surrey facility."	Section 7 Product Collected - on page 11

The following evaluation criteria were applied to the assessment of the description of how total amounts of the producer's product collected has been calculated in accordance with Section 8(2)(e) of the Recycling Regulation:

- The Association maintains a listing of product collected by product category for the fiscal year which agrees to the amounts disclosed in the Annual Report.
- Each shipment of product collected is supported by documentation indicating the total number of small containers or mega bags collected and the type of program materials collected which has been agreed upon by the shipper, receiver and carrier.
- The calculation of the number of alarms in small containers is determined using the total number of small containers collected during the year and converting to units using the average number of units per boxes. The average number of units per box is determined by counting the contents of a sample of small containers received during the year.
- The number of alarms collected in mega bags is determined from the actual unit count per mega bag received.
- The Association is not required to present product sold or a recovery rate in the Annual Report. Given the small number of manufacturers of these products selling into the B.C. market, it was approved by the Ministry of Environment that aggregated sales data would not be made publicly available in the Annual Report.

Performance targets

Specific disclosures in the annual stewardship report for which evaluation criteria were developed	
Disclosure per Annual Report	**Reference**
Target – units collected 2015 Assertion – Target exceeded: Approximately 66,481 units collected	Section 9. Plan Performance - Table 8: 2015 Key Performance Targets and Performance – Item 1 on page 14

The following evaluation criteria were applied to the assessment of the description of performance for the year in relation to targets in the approved stewardship plan under Section 8(2)(b), (d) and (e) of the Recycling Regulation:

- All stewardship plan targets relating to Section 8(2)(b), (d) and (e) of the Recycling Regulation have been identified and reported on by management in the Annual Report.
- The description of progress against targets to date is supported by records of progress maintained by the Association.