

# Product Care Association Paint and Household Hazardous Waste Annual Report 2018

Submitted to: Director, Extended Producer Responsibility Section  
BC Ministry of Environment and Climate Change Strategy  
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# 1 Executive Summary

The BC Paint and Household Hazardous Waste (HHW) Program (“Program”) has been in operation since 1994 under the operation and management of Product Care Association of Canada (“Product Care”). The Program operates 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 British Columbia Paint and Household Hazardous Waste (HHW) Product Stewardship Plan (“Program Plan”) approved by the British Columbia Ministry of Environment and Climate Change Strategy (BCMOECCS). This annual report reports on program information required pursuant to Section 8(2) of the Regulation for the period January 1 to December 31, 2018.

Prior to the expiration of the 2012–2016 Program Plan, program plan extension discussions were held with the (BCMOECCS), resulting in an amended program plan submission in 2017. Following consultations with the BCMOECCS, further plan revisions, and consultations, the final Program Plan submissions was made in 2018. Product Care received Program Plan approval on November 20, 2018. Due to the timing of the Program Plan approval, this annual report addresses the performance of the Program in relation to the 2012–2016 Program Plan.

<b>Products within plan</b>	<ul style="list-style-type: none"><li>• Architectural paints and coatings (household); paint aerosols (consumer, industrial and automotive)</li><li>• Domestic pesticides</li><li>• Flammable liquids and aerosols</li><li>• Gasoline</li></ul>
<b>Program website</b>	<a href="https://www.productcare.org/province/british-columbia/">https://www.productcare.org/province/british-columbia/</a>

The Program’s performance information required pursuant to s.8(2) of the Regulation is provided below.

Regulatory Provision	Program Area	Summary of Activities in 2018
<p><b>Part 2, Section 8(2)(a)</b></p>	<p><b>Public Education Materials &amp; Strategies</b></p>	<ul style="list-style-type: none"> <li>• Commitment to conduct a consumer awareness survey every two (2) years. Last survey was conducted in 2017 (60% of BC adults were aware of a program to recycle paint and 49% were aware of a program to recycle HHW). Next scheduled awareness study is in 2019.</li> <li>• Regeneration.ca provided consumers with bilingual content about the Program, with a collection site finder, collection site hours and operations, and accepted product lists.</li> <li>• Productcare.org provided service partners and members with content about the program, membership, regulatory documentation, stewardship plans, annual reports, product lists and fee schedules.</li> <li>• Point of sale and point of return materials were available for reorder, free of charge, upon request.</li> <li>• Advertised using indoor print advertising.</li> <li>• Print ads published in 2018 municipal waste and recycling calendars, trade publications, guides and magazines.</li> <li>• Digital advertising: Google search, YouTube, Google display, Facebook, blogs</li> <li>• Direct mail advertising</li> <li>• Participated in community events (e.g. Party for the Planet)</li> <li>• Collaboration through RCBC's Hotline and Recyclepedia.</li> </ul>

Regulatory Provision	Program Area	Summary of Activities in 2018
<b>Part 2, section 8(2)(b)</b>	<b>Collection System and Facilities</b>	<ul style="list-style-type: none"> <li>• A decrease of one collection site in 2018, for a total of 221 collection sites as of December 31, 2018.</li> <li>• Of the 221 collection sites, 113 were paint-only and 108 were paint plus collection sites.</li> <li>• Participated in 11 collection events in 2018.</li> <li>• The Program's collection network and collection events provided service to more than 25 First Nations communities.</li> </ul>
<b>Part 2, section 8(2)(c)</b>	<b>Product Environmental Impact Reduction, Reusability and Recyclability</b>	See Section 5
<b>Part 2, section 8(2)(d)</b>	<b>Pollution Prevention Hierarchy and Product / Component Management</b>	<u>Paint (Latex/Alkyd):</u> <ul style="list-style-type: none"> <li>• Reuse: 2.2% of all paint collected by Product Care was reused through the Paint Reuse program.</li> <li>• Recycling: 89.9% of latex paint was recycled back into paint and coating products or used as a raw material in the manufacturing of concrete products.</li> <li>• Energy recovery: 100% of alkyd paint and 10.1% of latex paint was sent to energy recovery as an alternative energy source in permitted incinerators.</li> </ul>

Regulatory Provision	Program Area	Summary of Activities in 2018
		<ul style="list-style-type: none"> <li>• Landfill: 0% of latex paint was sent to a landfill.<sup>1</sup></li> </ul> <p><u>Paint containers:</u></p> <ul style="list-style-type: none"> <li>• Recycling: 100% of metal containers and 90% of #2 plastic containers were recycled and 10% was used as an alternative energy source in permitted incinerators</li> <li>• Energy recovery: 31.3% of #5 plastic (polypropylene) containers were used as an alternative energy source in permitted incinerators, and 68.7% were recycled.</li> </ul> <p><u>Paint aerosols and containers:</u></p> <ul style="list-style-type: none"> <li>• Energy Recovery: 100% of paint aerosol residuals were sent to energy recovery as an alternative energy source in permitted incinerators.</li> <li>• Recycling: 100% of paint aerosol containers were recycled.</li> </ul> <p><u>Flammables liquids and containers:</u></p> <ul style="list-style-type: none"> <li>• Energy recovery: 100% of flammable liquids were sent to energy recovery as an alternative energy source in permitted incinerators.</li> <li>• Recycling: 100% of flammable liquid containers were recycled.</li> </ul>

<sup>1</sup> Percentages have been rounded to the nearest whole number.

Regulatory Provision	Program Area	Summary of Activities in 2018
		<p><u>Pesticides and containers:</u></p> <ul style="list-style-type: none"> <li>• Incineration: No pesticides were processed in 2018.</li> <li>• Recycling: No pesticide containers were processed in 2018.</li> </ul> <p><u>Gasoline and containers:</u></p> <ul style="list-style-type: none"> <li>• Energy recovery: 100% of gasoline liquids were sent for energy recovery as an alternative energy source in permitted incinerators.</li> <li>• Recycling: 100% of gasoline containers were recycled.</li> </ul>
<b>Part 2, section 8(2)(e)</b>	<b>Product Sold and Collected and Recovery Rate</b>	<p><u>Recovery rates:</u></p> <ul style="list-style-type: none"> <li>• Paint, 9.9%</li> <li>• Paint aerosols, 5.5%</li> <li>• Flammable liquids/gasoline, 5.6%</li> <li>• Pesticides, 11.1%</li> </ul>
<b>Part 2, section 8(2)(e.1)</b>		See Section 7 for the collection volumes breakdown by regional district.
<b>Part 2, section 8(2)(f)</b>	<b>Summary of Deposits, Refunds, Revenues and Expenses</b>	See Appendix C for the audited financial statements for the reporting year.
<b>Part 2, section 8(2)(g)</b>	<b>Summary of Program Targets and Performance</b>	See summary of program measures in chart “Key Performance Measures” below and in section 9 of this report (“Performance Measures”).

The Program Plan sets out a number of key performance measures for the Program. The following chart summarizes the performance in 2018 and Product Care’s strategies for improvement going forward, where applicable.

### Key Performance Measures

Key Performance Measures		
Program Area	2018 Performance	Strategies for Improvement
<b>Collection System</b>		
Collection Sites	<ul style="list-style-type: none"> <li>• 113 paint collection sites</li> <li>• 108 paint plus collection sites</li> <li>• Total of 221 collection sites</li> </ul>	Product Care continues to expand the network as needed.
Paint Reuse Collection Sites	137 collection sites (62% of all collection sites) offered the Paint Reuse program	Continue to encourage collection sites to offer the Paint Reuse program
<b>Management of Collected Materials</b>		
Paint Collected (container capacity)	<ul style="list-style-type: none"> <li>• Paint (non-aerosol) collection volume decrease: -6.4%</li> <li>• Paint (aerosol) collection volume increase: 3.9%</li> </ul>	Continue to increase Program awareness
Flammable Liquids and Pesticides Collected (container capacity)	<ul style="list-style-type: none"> <li>• Flammable Liquids/Gasoline collection volume decrease: -0.8%</li> <li>• Pesticide collection volume decrease: -41.9%</li> </ul>	Continue to increase Program awareness
Pesticides Collected	<ul style="list-style-type: none"> <li>• Pesticide collection volume was 15,392 litres.</li> </ul>	N/A



Key Performance Measures		
Program Area	2018 Performance	Strategies for Improvement
Paint Reused	<ul style="list-style-type: none"> <li>• 2.2% of paint collected was reused.</li> </ul>	Rebrand Paint Reuse and increase promotion on Paint Reuse
Latex (water-based) Paint Recycling	<ul style="list-style-type: none"> <li>• 89.9% of latex paint was recycled.</li> <li>• 10.1% was sent for energy recovery.</li> <li>• 0% was sent to a landfill.<sup>2</sup></li> </ul>	Continue to seek alternative recycling options.
Alkyd (oil-based) Paint Recycling	Product Care continues to search for recycling options for alkyd paint. Currently no new recycling options have been identified.	Continue to seek options for recycling.
Metal and #2 Plastic Container Recycling	<ul style="list-style-type: none"> <li>• 100% of metal containers (paint, aerosols, flammable liquids etc.) were recycled.</li> <li>• 90% of #2 plastic paint containers were recycled.</li> <li>• 10% of #2 plastic paint containers were used as an alternative energy source in permitted incinerators.</li> </ul>	Continue to seek recycling options for #2 paint containers
Plastic and Metal Gasoline Container Recycling	<ul style="list-style-type: none"> <li>• 100% of plastic and metal gasoline containers were recycled.</li> </ul>	N/A

<sup>2</sup> Percentages have been rounded to the nearest whole number.

## 2 Program Overview

The BC Paint and Household Hazardous Waste (HHW) Program (“Program”) has been in operation since 1994 under the operation and management of Product Care Association of Canada (“Product Care”). Product Care is a federally incorporated, not-for-profit product stewardship association formed in response to stewardship regulations and is governed by a multi-sector industry board of directors.

Producers of designated products are required to meet the obligations set out in British Columbia’s *Recycling Regulation* (BC Reg 449/2004 as amended) (“Regulation”) under the Province’s *Environmental Management Act*. The Program is funded by membership fees, known as environmental handling fees (“EHF”), remitted to Product Care by its members based on the volume of sales of products identified in the program plan (“Program Products”). A current list of Program members is available here:

<http://www.productcare.org/member-support/british-columbia/>.

The Program operates under the requirements of the Regulation and the Program Plan approved by the British Columbia Ministry of Environment and Climate Change Strategy (BCMOECCS). Prior to the expiration of the 2012–2016 Program Plan, program plan extension discussions were held with the BCMOECCS, resulting in an amended Program Plan submission in 2017. Following further consultations with the BCMOECCS and further plan revisions, the final Program Plan was submitted in 2018. Product Care received Program Plan approval on November 20, 2018. This annual report provides the information required pursuant Section 8(2) of the Regulation covering the period of January 1 to December 31, 2018. Given the timing of the Program Plan approval, this annual report addresses the performance of the Program in relation to the 2012–2016 Program Plan.

## 3 Public Education Materials and Strategies

### **Public Education Materials and Strategies**

In 2018, Product Care implemented a number of different methods to educate and raise consumer awareness of the Program in accordance with regulatory requirements. The following sections provide details regarding the Program’s communication and public education activities in 2018.

## **Program Awareness**

In November 2017, an online survey, representative of British Columbia's adult population, was conducted among 1,001 residents. The survey revealed that, 60% and 49% of residents are aware of a recycling program for paint and HHW in the province respectively. This is a decrease of two percentage points over 2015 awareness levels (62%) for paint recycling programs and an increase of 14 percentage points over 2015 awareness levels (35%) for HHW recycling programs. The next consumer awareness study will be conducted in 2019.

## **Website**

ReGeneration.ca, Product Care's former consumer website (replaced by ProductCare.org in January 2019), included the following content for the Program:

- Recycling locator (a searchable map displaying locations of all British Columbia paint and HHW recycling locations (collection sites) – see Appendix B)
- Tips for storing and buying the correct amount of paint
- Recycling locations' hours of operations and contact information
- Accepted and non-accepted paints and HHW products
- Consumer videos showing the product management approach for paint and HHW
- Other information (e.g., a description of the Paint Reuse program, frequently asked questions, etc.)
- A fillable form for ordering promotional materials, such as rack cards and floor decals
- Information about the environmental and economic benefits of paint and HHW stewardship

An estimated 165,662 unique visitors accessed *ReGeneration.ca* during the 2018 calendar year. The British Columbia section (including sub-sections for accepted products, fee information, and Paint Reuse) received 61,480 page views. In addition, there were 15,530 searches for British Columbia recycling locations using the ReGeneration recycling locator.

## **Program Hotline**

Product Care continued to operate a toll-free hotline (1-888-772-9772) where consumers obtained information about the Program. The Program also participated in the Recycling Council of British Columbia (RCBC) recycling hotline service (1 800 667 4321 or 604 RECYCLE). Consumers were able to contact RCBC operators during business hours and obtain information about return options for paint and HHW products. Information about recycling

was also provided on the RCBC smart phone app and website. In total, these three platforms received a combined total of 12,450 inquiries about paint and HHW products in 2018.

### **Print Advertising**

- Print ads focusing on general consumer education were published in the municipal calendars for Chilliwack, Invermere, Mission, Penticton, and Peace River. An estimated 13,000 calendars were distributed between the five areas.
- A half page print ad was published in Vancouver's Pride Guide, targeting younger generations. 12,000 copies of this guide were distributed in the Lower Mainland.
- A half page ad was published in Green Space magazine, targeting the Program's pick up system for commercial volumes. 12,500 copies of these publications were distributed.
- An inside cover print ad and article were featured in CPCA Insight Trade Publication. Seven thousand copies were distributed to industry members.

See Appendix B for examples of all print advertising activities.

### **Digital Advertising**

All digital campaigns listed below reached the entire province.

1. *Google Search Advertising Campaign: March to December, 2018*  
A search advertising campaign served paint ads to provincial residents based on an extensive list of keyword searches relevant to the Program.  
British Columbia's ads collectively generated 39,076 impressions and 6,171 clicks.
2. *YouTube Video Advertising Campaign: August to October, 2018*  
A British Columbia specific campaign served ReGeneration's branded paint and HHW explainer videos as YouTube pre-roll ads. The ads were targeted to provincial residents who had expressed an interest in relevant topics such as Home & Garden. The ads generated 126,916 impressions and were viewed 45,033 times, a view rate of 35.48%.
3. *Google Display Advertising Campaign: June to December, 2018*  
British Columbia specific display advertising campaign served paint-related ads to provincial residents based on increasingly refined targeting.  
The ads received a total of 12,834 clicks and 3,929,060 impressions.  
These ads were specifically targeted to internet users who performed online searches related to paint purchasing, usage, and disposal in British Columbia.

Secondary targeting focused on individuals searching for home improvement and DIY-related terms, in order to reach a wider, but still relevant, population.

4. *Facebook Advertising Campaign:*

British Columbia specific campaign promoted the paint recycling program, targeting the province's residents on an ongoing basis. Audience targeting was broad to allow data collection and analysis on a range of audiences to inform digital targeting strategy going forward.

5. *Gated Facebook Content Strategy:*

British Columbia specific content, available only to province residents, focused on paint recycling, special waste and the recycling community in general.

6. *Targeted blog posts:*

More than 30 blog posts were targeted at relevant audience members including, but not limited to, homeowners, female heads of households, and environmentally-inclined individuals in British Columbia. Topics included specific information on paint recycling, "do it yourself" ("DIY") content, renovation tips, and sustainability best practices. All posts included a call-to-action to find a recycling location or interact with the brand on social media. Collectively, these posts received 62,141 views.

See Appendix B for examples of all digital advertising activities.

## **Direct Mail Advertising**

15,442 flyers (see Appendix B) focusing on summer home cleanouts were mailed directly to a mix of urban and rural locations throughout the province, such as Bella Coola, Kamloops, Nanaimo, Nelson, Salt Spring Island, Ucluelet, and Maple Ridge.

## **Community Events and Partnerships**

Product Care educated members of the public about the Program, as well as safe paint and HHW recycling, at several community events in BC. Attended events included:

- Party for the Planet (City of Surrey): April 14
- Burnaby Environmental Festival: May 27
- Vancouver Landfill Open House: June 1
- Vancouver Pride Festival: August 5
- Vancouver Mural Festival: August 11

At these events, knowledgeable staff interacted with thousands of event attendees through a direct engagement program including trivia, giveaways, branded print materials and other activities.

Product Care also sponsored Science World's BC Green Games in the fall of 2018, a digital eco-storytelling contest for schools throughout British Columbia. As part of the sponsorship, Science World's "On the Road" team visited schools across the province and educated more than 36,000 students on paint and HHW recycling. A Product Care recycled paint mural was offered as a prize to two school winners of the contest. The mural will be painted by an artist with the students in 2019. In addition, the BC Green Games website listed the program as a sponsor with a description of its recycling programs and a link to the website.

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

In 2018, Product Care distributed both PoS and PoR materials as requested by retailers and recycling locations. The following materials were available for order through an online form:

- Brochures
- Poster
- Floor decal

Signage for recycling locations was also made available throughout the year, free of charge, for participating recycling locations. See Appendix B for examples.

## **4 Collection Systems Information**

As of December 31, 2018, Product Care contracted with 221 permanent collection sites in British Columbia to provide convenient locations for consumers to drop off unwanted Program Products, a decrease of one collection sites as compared to 222 collection sites in the prior year. Of the 221 locations, 113 were paint collection sites that collected leftover paint products only, including paint aerosols. The remaining 108 were "paint plus" collection sites that collected paint products, as well as flammable liquids, pesticides and gasoline.<sup>3</sup> Of the 221 locations, 138 were part of the Paint Reuse program, providing paint to customers for free.

Three Paint Plus sites were added in 2018, while two (2) Paint Plus and two (2) paint sites were removed, representing a net decrease of one (1) site from 2017. In addition, two (2) sites were changed from Paint Plus to Paint only. Table 1 provides a comparison of 2017 and 2018 collection site numbers and Table 2 lists the specific changes in the collection system in 2018. Table 3 lists the collection sites by Regional District. A complete list of collection sites as of December 31, 2018 is provided in Appendix A.

**Table 1: Paint and Paint Plus Contracted Collection Sites, 2017 and 2018**

Collection Site Type	2017	2018
Paint	113	113
Paint Plus	109	108
<b>Total Permanent</b>	<b>222</b>	<b>221</b>

**Table 2: Collection Site Changes in 2018**

Collection Site Name	Location	Change from 2016
Salmon Arm Landfill	Salmon Arm	New Paint Plus collection site
Grand Forks Bottle Depot	Grand Forks	New Paint Plus collection site
Golden Landfill	Golden	New Paint Plus collection site
Nanaimo Recycling Exchange	Nanaimo	Closed Paint Plus collection site
Rona Cranbrook	Cranbrook	Closed Paint collection site
Regional Recycling - Burnaby	Burnaby	Closed Paint Plus collection site
Armstrong Collision	Armstrong	Closed Paint collection site
Langley Bottle Depot	Langley	Changed from Paint Plus to Paint
DC Recycling	Dawson Creek	Changed from Paint Plus to Paint

**Table 3: Summary of Collection Sites by Regional District in 2018**

<b>Regional Districts</b>	<b>Number of Collection Site</b>
Alberni-Clayoquot	3
Bulkley-Nechako	9
Capital	13
Cariboo	6
Central Coast	3
Central Kootenay	4
Central Okanagan	3
Columbia-Shuswap	8
Comox Valley	4
Cowichan Valley	7
East Kootenay	5
Fraser Fort-George	5
Fraser Valley	12
Kitimat-Stikine	4
Kootenay Boundary	6
Metro Vancouver	53
Mt. Waddington	6
Nanaimo	5
North Coast	5
North Okanagan	5
Northern Rockies	1
Okanagan-Similkameen	9
Peace River	7
Qathet	2
Squamish-Lillooet	9
Strathcona	4
Sunshine Coast	4
Thompson-Nicola	19
<b>Total</b>	<b>221</b>



Product Care also supplements the collection system with a number of one day collection events, often carried out in collaboration with a municipality or regional district. Product Care participated in 11 collection events in 2018. See Table 4 for a list of collection events.

The Program’s collection network and collection events provided service to more than 25 First Nations communities.

**Table 4: Collection Events in 2018**

Date	Event Location
April 21, 2018	Summerland
May 5, 2018	Sicamous
May 12, 2018	Delta
May 19 2018	Mission
September 15, 2018	Creston
September 16, 2018	Salmo
September 22, 2018	Silverton
September 23, 2018	Nakusp
September 29, 2018	Castlegar
October 13, 2018	Chilliwack
October 20, 2018	Langley

## 5 Product Environmental Impact Reduction, Reusability and Recyclability

The paint and coatings sector continues to move forward on many fronts seeking improvements in product design for the environment. This section highlights developments in 2018, including innovations in product formulation, assessment and reassessment of chemicals of concern, use of alternative ingredients based on informed substitution, further reductions to VOC emissions, integration of sustainability reporting into business planning, exploring integration of life-cycle and sustainability metrics accounting principles, increasing alignment with international sustainability goals, investment in bio-based alternatives, and advances in the development of Product Category Rules and Environmental Product Declarations . All of these measures continue to produce products that are less harmful and more sustainable.

## **CANADA'S CHEMICALS MANAGEMENT PLAN (CMP)**

The paint and coatings industry is continually pursuing innovations in product formulations that strike a balance between sustainability, health, safety and product performance. An example of industry's sustainability initiatives includes involvement with the federal government's CMP. This comprehensive federal government initiative assesses chemicals in commerce for all industry sectors, including paint and coatings, and evaluates risks associated with substances contained in products and intended uses or applications of the product. These risk assessments are done with a view to banning highly toxic substances that are considered dangerous to human health and the environment or managing the risks in the ones that are deemed to be less harmful.

The CMP entered its third phase in 2018 and identified 1,550 substances being risk assessed for potential to cause harm to human health or the environment. Over five hundred of those chemicals are implicated in the paint and coatings industry. Canadian Paint and Coatings Association (CPCA) is now concluding formal assessments of these 500-plus substances used in coatings formulations, which will conclude in 2020. Beyond 2020, the federal government will continue to identify new substances and issues to be reviewed related to chemicals in commerce including those used in the coatings industry. As part of the CMP, government and industry associations, including the CPCA, are engaged in formal discussions on how industry might consider 'informed substitution' for more sustainable ingredients to be used in paint product formulations. This will address the issue of removing any remaining 'chemicals of concern' from product formulations and replacing them with more environmentally friendly options.

## **VOC EMISSIONS REDUCTIONS IN THE PAINT AND COATINGS INDUSTRY**

Compared with 2002 levels, the architectural paint and coatings sector has achieved 74 per cent reduction in overall VOC emissions due to lowering of the VOC content in waterborne products and by eliminating most of the solvent borne product lines completely. These industry efforts greatly exceeded the government's own expectations, which was projected to be a 28 per cent reduction.

Over the past ten years VOC emissions have been reduced by an additional 20 per cent for a total of 94 per cent reduction, representing 41 kilotonnes. This is a total emissions reduction equivalent to approximately 380,000 average sized automobiles annually. This has been a major advancement in sustainability of paint.

The federal government under Environment and Climate Change Canada (ECCC) is now engaged in a new study looking at VOC emissions in coatings products beginning April, 2019. The study is proceeding with its broad national VOC Survey for all paint products sold in Canada, except for paint products not covered under Canada's VOC Concentration Limits for Architectural Coatings Regulations. The ECCC Products Division's goal is to identify possible amendments to regulations by looking at concentration limits in other jurisdictions while performing a cost-benefit analysis.

## **SUSTAINABILITY REPORTING**

Many companies now have sustainability goals and targets with regular sustainability reporting as an ongoing part of their business planning. This allows companies to integrate environmental challenges into their long-term product development strategy.

## **WORLD COATINGS COUNCIL: CIRCULAR ECONOMY EFFORTS**

The World Coatings Council (formerly IPPIC) Industry Stewardship Committee will soon proceed with two projects. Firstly, to develop a consensus approach on including life-cycle and sustainability metrics accounting for aspects related to chemical management efforts. Initially this will be for biocides and preservatives, but it will also be used to prepare for additional challenges with key raw material suppliers as part of the overall approach. Secondly, it will seek to align key industry activities with the UN Sustainable Development Goals, and focus on examples that provide real, quantifiable support. It will look at how paint and coatings contributes to the UN's 17 Sustainable Development Goals.

## **ENVIRONMENTAL PRODUCT DECLARATIONS FOR ARCHITECTURAL PAINT**

The coatings industry is currently working on enhancing sustainability by establishing Product Category Rules (PCR). These PCRs will help form the basis for products to have Environmental Product Declarations (EPD), which would reflect the properties of various architectural paint products. The documents developed to date relate to the Life Cycle Analysis (LCA) for the specific architectural product category to produce clear environmental product declarations according to ISO 14025 standard. The PCR includes all life-cycle phases for both interior and exterior applications. The scope excludes adhesives and coatings solely for shop applications, original equipment manufacturing, or application to non-stationary structures, such as vehicles, airplanes, ships, boats, and railcars.

The goal of this PCR is to specify the guidelines for developing a Type III Environmental Product Declaration (EPD) in conformance with ISO 21930 and 14025. The goal of an LCA study conforming to this PCR shall be, at a minimum, to identify the potential

environmental impacts of each life cycle phase of the product, or enable product improvement over the full life cycle of the product. It shall be presented in such a way to ensure its relevance to the public or for internal company use.

### **GOVERNMENTS OF CANADA AND QUEBEC SUPPORT GROWTH OF CELLUFORCE**

The federal government will invest a combined \$6.4-million investment to support CelluForce Inc.'s innovative cellulose nanocrystal facility becoming the world's first full commercial demonstration-scale plant of its kind. This new material can be used in everything including paints and adhesives, and is produced from the cellulose in trees and made from wood that is abundant, renewable and biodegradable.

Worldwide sales of bio-based coating solvents currently account for just over 10 per cent share of the market (less than 13 per cent in the EU alone, or 630,000 tons/5 million tons). However, this niche is expected to gain significant traction in the near future, while permeating key applications such as architectural coatings and industrial equipment coatings.

### **SUSTAINABILITY UNDERLINES CONTRIBUTION OF COATINGS AS AN ENABLER FOR WASTE REDUCTION**

When coatings manufacturers source raw materials, they will have to join forces with their suppliers to sharply increase the share of bio-based materials and recycled content, learning to make better use of such materials. More importantly, brand owners want to offer customers technologies and solutions that enable them to reduce emissions and material use, such as lower curing temperatures, low or zero solvents, and fewer layers. This helps customers reduce their overall environmental footprint, the ultimate goal of sustainability.

Above all, paint use is about better performance, durability and long-term protection of the underlying substrate – wood or metal – and products that reflect heat, reduce fuel use and friction, or create insulating capacity. It's about solutions being non-hazardous and thus enabling the underlying products such as furniture, transport or building materials to be reused and recycled. Coatings are indeed a true 'enabler' of environmental sustainability that prevents products from being turned into waste.

## **6 Pollution Prevention Hierarchy and Product / Component Management**

Product Care endeavours to manage collected products in accordance with the "pollution prevention hierarchy". This section details the measures that Product Care follows with

respect to each product category based on information provided by downstream processors, where available.<sup>4</sup>

## **Consolidation**

Collected products are sent to a consolidation facility in the Lower Mainland. During consolidation, paint is separated into latex (water-based) and alkyd (oil-based) paint. Paint aerosols are separated into liquid paint, metal containers and propellant. Pesticides and flammable liquids are consolidated by product type and properties, and “other aerosols” (flammable and pesticide aerosols) are repackaged into larger containers.

Following these initial processes, consolidated or repackaged materials are sent to downstream processors for recycling, energy recovery, incineration or landfill. Detailed information on how collected materials are processed is provided below.

## **Paint**

Leftover paint is the largest volume of the residual products managed by the Program. Leftover paint is managed in a number of ways:

### **Reuse**

Reusable paint is given away at no charge through the Paint Reuse (previously Paint Exchange) program to members of the public and non-profit organizations to be used for its originally intended purpose. In 2018, 137 depots participated in the Paint Reuse program, representing 62% of all depots. Users of the program included individuals, community organizations, theatres and anti-graffiti programs. Based on monthly reports provided by collection sites, approximately 2.2%<sup>5</sup> of the total volume of paint processed in 2018 was reused through the Paint Reuse program, down from 2.3% in 2017.

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<sup>4</sup> The information detailed in this section was verified based on processor questionnaires or site visits of the various processors and the review of final disposition as indicated on hazardous waste manifests as applicable. 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.

<sup>5</sup> Based on the estimate of paint containers being 75% full and compared against residual recovery volumes.

## **Recycling**

Product Care utilizes a number of options for latex (water-based) paint recycling. High grade recyclable water-based paint is reprocessed into paint and coatings products. The lower grade liquid recyclable paint (i.e., paint that is not suitable for paint to paint recycling) is used as a raw material in the manufacturing of concrete products (blocks, barriers, etc.).

According to shipment records<sup>6</sup>, approximately 89.9% of the latex paint sent to downstream processors by the Program in 2018 was recycled utilizing one of the two options listed above.

The total volume of paint processed is the sum of the total volume of paint reused through Paint Reuse plus the total volume of paint shipped from the consolidation facility to the downstream processors.

## **Energy Recovery**

Alkyd (oil-based) paints are suitable for energy recovery by virtue of their high solvent content. According to shipment records, 100% of the oil-based paint shipped to downstream processors from the consolidation facility in 2018 went to hazardous waste management companies who then sent the paint to permitted/licensed facilities to be used for alternative energy recovery.

Product Care continues to search for recycling options for alkyd paint. This is generally more difficult due to hazardous waste and transportation regulations, which limit the movement of this kind of material. Regulations, such as the Federal VOC Regulations, require tighter limits on certain chemical constituents, which tend to be higher in older paints, making recycling of alkyd paints more difficult. In addition, the chemistry of alkyd paints makes it more difficult to recycle into paint and coating products, and the diminishing market for recycled alkyd products is significantly smaller than that for latex paint products.

Due to the colour or physical/chemical composition, some latex paint cannot be recycled. Latex paint has heat value but not as high as oil-based paints. A portion of the unrecyclable latex paint is sent to downstream processor who sends it to a licensed facility, to be used as

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<sup>6</sup> Shipment records evidencing the management of program product may include Certificates of Disposal, bills of lading or processor invoices and the review of final disposition as indicated on hazardous waste manifests as applicable. Shipment records evidencing the management of metal and plastic containers may include bills of lading, scale tickets or processor invoices.

alternative fuel (energy recovery). According to shipment records, 10.1% of the latex paint sent to downstream processors was used as an alternative fuel in 2018.

### **Secure Landfill**

In 2018, all latex paint was either recycled as paint, sent for energy recovery, or used as raw materials in the manufacturing process of concrete products. No latex paint was landfilled.

### **Flammable Liquids**

Due to the nature of flammable liquids and the fact that many flammable liquids are sold as fuels, leftover flammables collected are treated as alternative fuels for energy recovery. According to shipment records, 100% of the flammable liquids shipped from the consolidation facility to downstream processors in 2018 went to a hazardous waste management company who then sent them to permitted/licensed facilities to be used for alternative energy recovery.

### **Gasoline**

Due to the nature of gasoline, which is intended for use as a fuel, collected leftover gasoline is treated as alternative fuel for energy recovery. According to shipment records, 100% of the gasoline shipped from the consolidation facility to downstream processors in 2018 went to a hazardous waste management company who then sent the gasoline to permitted/licensed facilities to be used for alternative energy recovery.

### **Pesticides**

Due to the nature of pesticides, there is no reuse or recycling option available for these products. No pesticide products were shipped from the consolidation facility to downstream processors in 2018.

### **Containers**

#### **Metal Container Recycling**

Based on shipment records from the consolidation facility, 100% of metal containers processed by the Program in 2018 from paint, flammable liquids and gasoline were sent for metal recycling. No pesticide containers were processed.

### Plastic Container Recycling

According to shipment records, 90% of 5 gallon size #2 HDPE plastic paint pails and 100% of gasoline containers shipped from the consolidation facility to downstream processors were recycled in 2018. 10% of the #2 HDPE plastic containers was sent to energy recovery as an alternative energy source in permitted incinerators. Furthermore, plastic containers from flammable liquids were sent for plastics recycling. No pesticide containers were processed in 2018.

### Plastic Container Energy Recovery

The Program managed 68.7% of plastic (polypropylene #5) one US gallon size paint cans through recycling, and 31.3% through energy recovery due to the limited market demand for recycled polypropylene #5.

**Table 5: Program Product End Fate (Excluding Paint Reuse) 2018**

Product Category <sup>7</sup>	Recycling	Energy Recovery	Incineration	Landfill
<b>Latex paint</b>	89.9%	10.1%		0%
<b>Alkyd paint</b>		100%		
<b>Flammable Liquids</b>		100%		
<b>Pesticides</b>	None processed in 2018			
<b>Gasoline</b>		100%		
<b>Metal Containers</b>	100%			
<b>#2 Plastic Containers (non-gasoline)</b>	90%	10%		
<b>#2 Plastic Containers (gasoline)</b>	100%			
<b>#5 Plastic Containers</b>	68.7%	31.3%		

<sup>7</sup> Percentages for each product category may not total 100% due to rounding.



## 7 Product Sold and Collected and Recovery Rate

### Product Collected

Program Products are collected in either tubskids or drums.<sup>8</sup> Table 6 shows the tubskids (or tubskid equivalents) collected in BC, broken down by regional district.

The Program employs two metrics for measuring collected volumes of Program Product. Residual Recovery Volume (RRV) measures the amount of product collected as a function of the amount of product sold in the same year. The container capacity volume (CCV), also known as “equivalent litres of containers” (ELC), measures the maximum capacity of the containers that could fit within tubskids or drums returned through the Program. Table 7 provides the total 2018 residual recovery volumes (RRV) for each product category compared to 2017. Table 8 contains information on the container capacity volume (CCV) extrapolated from the number of tubskids of Program Product managed by the Program as reported in Table 6.

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<sup>8</sup> Tubskids are 4'x4'x3' plastic boxes used for the collection of paint, paint aerosols, flammable liquids and pesticides. Drums are converted into tubskids at a factor of 0.25 tubskids per drum. The total number of tubskids has been rounded to the nearest whole number. The total number of tubskids is based on tubskids picked up from collection sites as evidenced by bills of lading.

**Table 6: Tubskids (or tubskid equivalents) Collected by Regional District (2018)**

REGIONAL DISTRICT	PAINT	AEROSOLS	SOLVENTS	PESTICIDES	AEROSOLS OTHER	TOTAL
Alberni Clayoquot	151	39.25	3	1.5	0	194.75
Bulkley Nechako	108	25.25	0	0	1	134.25
Capital Regional District	2932	107.5	134	30.5	47.25	3251.25
Cariboo	211	32	3	1	0.5	247.5
Central Coast	12	1	0	0	0	13
Central Kootenay	292	14.5	3	1	2.25	312.75
Central Okanagan	1023	43	26	3	10.5	1105.5
Columbia Shuswap	276	25.75	70	0.25	2.5	311.5
Comox Valley	537	17.5	29	1.75	5.75	591
Cowichan Valley	683	99	44	15.25	20.75	862
East Kootenay	340	19	5	0.5	6	370.5
Fraser Fort George	374	19	14	2	0.25	409.25
Fraser Valley	1724	75.75	57	12.75	11	1880.5
Kitimat Stikine	122	8	1	0	0.5	131.5
Kootenay Boundary	249	12	6	1.75	2.25	271
Metro Vancouver	12685	446.75	317	43	93	13584.75
Mt. Waddington	79	41.75	2	1	0	123.75
Nanaimo	1213	111	61	5.5	9.75	1400.25
North Coast	65	24	1	0	0	90
North Okanagan	455	26.25	12	3	4	500.25
Northern Rockies	12	1	0	0	0	13
Okanagan Similkameen	593	25.5	8	2.25	2.25	631
Peace River	206	18.6	2	0	0.25	226.75
Qathet	100	14.25	6	0	0.25	120.5
Squamish Lillooet	439	32.25	15	0	2.75	489
Strathcona	260	113	24	0.25	3.25	400.5
Sunshine Coast	313	95	23	2.25	3	436.25
Thompson Nicola	625	25.25	16	3.5	6	675.75
<b>TOTAL</b>	<b>26079</b>	<b>1513</b>	<b>819</b>	<b>132</b>	<b>235</b>	<b>28778</b>

**Table 7: Approximate Total Collected Volumes (residual recovery volume) for Paint, Paint Aerosols, Flammable Liquids and Pesticides (2018 v. 2017)**

Residual recovery volume (litres)	Paint (non-aerosol) <sup>9</sup>	Paint (Aerosol) <sup>10</sup>	Flammable Liquids/Gasoline <sup>11</sup>	Pesticides <sup>12</sup>
<b>2018</b>	2,972,569	60,671	140,123	15,392
<b>2017</b>	3,261,069	52,111	156,537	22,725

**Table 8: Approximate Total Collected Volumes (container capacity volume) for Paint, Paint Aerosols, Flammable Liquids and Pesticides (2018 v. 2017)**

Container capacity volume (litres) <sup>13</sup>	Paint (non-aerosol)	Paint Aerosol	Flammable Liquids/Gasoline <sup>14</sup>	Pesticides
<b>2018</b>	11,266,126	264,775	394,933	57,024
<b>2017</b>	12,040,704	254,756	398,190	98,172
<b>Variance</b>	-6.4%	3.9%	-0.8%	-41.9%

## Recovery Rate

For all product categories, Table 9 below shows the calculation of the recovery rate, based on the sales in BC and the residual recovery volume collected in 2018. With regard to gasoline collection, members report the number of gasoline stations, not volumes of gasoline sold.

<sup>9</sup> Paint residual recovery volume was calculated using a conversion factor of 111.41 litres per tubskid, based on the average volume generated per tubskid over the full year 2018.

<sup>10</sup> Paint aerosol residual recovery volume was calculated using a conversion factor of 40.1 litres per tubskid, based on the average volume generated per tubskid that was processed over the full year 2018.

<sup>11</sup> Flammable Liquids/Gasoline residual recovery volume was calculated using a conversion factor of 171.1 litres per tubskid, based on the average volume generated per tubskid over the full year 2018. This does not include volume from flammable or pesticide aerosols.

<sup>12</sup> Pesticide residual recovery volume was calculated using a conversion factor of 116.6 litres per tubskid, based on the average volume generated per tubskid that was processed over the full year 2018.

<sup>13</sup> Container capacity volume was calculated by converting the total number of tubskids collected into equivalent litres of containers, using a conversion factor of 432 litres per tubskid, and 0.25 tubskids per drum for the paint (non-aerosol), flammable liquids/gasoline (non-aerosol) and pesticides categories. A conversion factor of 175 litres per tubskid was used for the paint aerosol and flammable liquids aerosol categories.

<sup>14</sup> Includes both non-aerosol and aerosol flammables and pesticides.

Therefore, sales volumes (in litres) for gasoline are not available and are excluded from the flammable liquids/gasoline category. Gasoline collected volumes are included in the residual recovery volumes for flammable liquids, as gasoline and other flammable liquids are processed together and therefore indistinguishable.

**Table 9: Approximate Sales, Residual Recovery Volume and Recovery Rates of Paint, Paint Aerosols, Flammable Liquids and Pesticides (2018)**

2018	Paint (non-aerosol) <sup>15</sup>	Paint (aerosol) <sup>16</sup>	Flammable Liquids/Gasoline <sup>18</sup>	Pesticides <sup>17</sup>
<b>Sales (litres)<sup>18</sup></b>	30,107,703	1,103,677	2,484,540	138,434
<b>Residual Recovery Volume (litres)<sup>15,16,17,18</sup></b>	2,972,569	60,671	140,123	15,392
<b>Recovery Rate</b>	9.9%	5.5%	5.6%	11.1%

## 8 Revenues and Expenditures

### Environmental Handling Fees

The Program is funded by membership fees, known as environmental handling fees (EHF), remitted to Product Care by its members based on the volume of sales of designated products in or into BC. Table 10 lists the EHF rates. A copy of the independent financial audit of the Program’s revenues and expenses can be found in Appendix C.

<sup>15</sup> Paint residual recovery volume was calculated using a conversion factor of 111.4 litres per tubskid, based on the average volume generated per tubskid over the full year 2018.

<sup>16</sup> Paint aerosol residual recovery volume was calculated using a conversion factor of 40.1 litres per tubskid, based on the average volume generated per tubskid that was processed over the full year 2018.

<sup>17</sup> Pesticide residual recovery volume was calculated using a conversion factor of 116.6 litres per tubskid, based on the average volume generated per tubskid that was processed over the full year 2019, as no pesticides were processed in 2018.

<sup>18</sup> Flammable Liquids/Gasoline residual recovery volume was calculated using a conversion factor of 171.1 litres per tubskid, based on the average volume generated per tubskid over the full year 2018. This does not include volume from flammable or pesticide aerosols.

<sup>19</sup> Volumes reported as “Sales (litres)” are estimated by converting units reported to PCA by its members and applying the typical container volume for each EHF category.

**Table 10: Environmental Handling Fees (2018)**

**Paint Category**

<b>Container Size</b>	<b>EHF Rates</b>
100 ml to 250 ml	<b>\$0.35</b>
251 ml to 1 litre	<b>\$0.65</b>
1.01 litres to 5 litres	<b>\$1.00</b>
5.01 litres to 23 litres	<b>\$2.25</b>
Aerosol Paint (any size)	<b>\$0.35</b>

**Pesticide Category**

<b>Container Size</b>	<b>EHF Rates</b>
Less than 10 ml or grams	<b>\$0.10</b>
0.01 to 0.89 litres or kg	<b>\$1.85</b>
0.9 to 1.79 litres or kg	<b>\$2.10</b>
1.8 to 10 litres or kg	<b>\$3.50</b>

**Flammable Liquids Category**

<b>Container Size</b>	<b>EHF Rates</b>
Less than 750 ml	<b>\$0.10</b>
751 ml to 1 litre	<b>\$0.15</b>
1.01 litres to 2 litres	<b>\$0.35</b>
2.01 litres to 4 litres	<b>\$0.60</b>
4.01 litres to 10 litres	<b>\$1.50</b>
<b>Aerosol Flammable Liquids</b>	
1 to 75 ml or grams	<b>\$0.01</b>
76 to 200 ml or grams	<b>\$0.10</b>
Over 201 ml or grams	<b>\$0.15</b>

## 9 Performance Measures

Prior to the expiration of the 2012–2016 Program Plan, program plan extension discussions were held with the (BCMOECCS), resulting in an amended program plan submission in 2017. Following consultations with the BCMOECCS, further plan revisions, and consultations, the

final Program Plan submissions was made in 2018. Product Care received Program Plan approval on November 20, 2018. This annual report addresses the performance of the Program in relation to the 2012-2016 Program Plan.

Accordingly, Table 11 sets out the key performance measures for 2018, and strategies for performance improvement going forward.

**Table 11: Key Performance Measures**

<b>Key Performance Measures</b>		
<b>Program Area</b>	<b>2018 Performance</b>	<b>Strategies for Improvement</b>
<b>Collection System</b>		
Collection Sites	<ul style="list-style-type: none"> <li>• 113 paint collection sites</li> <li>• 108 paint plus collection sites</li> <li>• Total of 221 collection sites</li> </ul>	Product Care continues to expand the network as needed.
Paint Reuse Collection Sites	137 collection sites (62% of all collection sites) offered the Paint Reuse program	Continue to encourage collection sites to offer the Paint Reuse program
<b>Management of Collected Materials</b>		
Paint Collected	<ul style="list-style-type: none"> <li>• Paint (non-aerosol) collection volume decrease: -6.4%</li> <li>• Paint (aerosol) collection volume increase: 3.9%</li> </ul>	Continue to increase Program awareness
Flammable Liquids and Pesticides Collected	<ul style="list-style-type: none"> <li>• Flammable Liquids/Gasoline collection volume decrease: -0.8%</li> </ul>	Continue to increase Program awareness

Key Performance Measures		
Program Area	2018 Performance	Strategies for Improvement
	<ul style="list-style-type: none"> <li>• Pesticide collection volume decrease: -41.9%</li> </ul>	
Pesticides Collected	<ul style="list-style-type: none"> <li>• Pesticide collection volume was 15,392 litres</li> </ul>	N/A
Paint Reused	<ul style="list-style-type: none"> <li>• 2.2% of paint collected was reused.</li> </ul>	Rebrand Paint Reuse and continue to encourage collection sites to offer the Paint Reuse program
Latex (water-based) Paint Recycling	<ul style="list-style-type: none"> <li>• 89.9% of latex paint was recycled.</li> <li>• 10.1% was sent for energy recovery.</li> <li>• 0% was sent to a landfill.</li> </ul>	Continue to seek alternative recycling options.
Alkyd (oil-based) Paint Recycling	Product Care continues to search for recycling options for alkyd paint. Currently no viable recycling options have been identified.	Continue to seek options for recycling.
Metal and #2 Plastic Paint Container Recycling	<ul style="list-style-type: none"> <li>• 100% of metal and 90% #2 plastic paint containers were recycled.</li> </ul>	Work with plastic recycler to obtain 100% recycling of #2 plastic paint containers
Plastic and Metal Gasoline Container Recycling	<ul style="list-style-type: none"> <li>• 100% of plastic and metal gasoline containers were recycled.</li> </ul>	N/A

## APPENDIX A: Collection Site List by Regional District (as of Dec 31, 2018)

Collection Site Name	Regional District	City	Paint ReUse	Paint Plus
Sun Coast Eco-Depot	Alberni Clayoquot	Port Alberni	Yes	Yes
Thompson Bottle Depot Ltd. (was The Bottle Depot)	Alberni Clayoquot	Port Alberni	Yes	Yes
Ucluelet Bottle Depot Ltd.	Alberni Clayoquot	Ucluelet	No	No
Area 'D' Transfer Station	Bulkley Nechako	Fraser Lake	Yes	No
Bulkley Valley Bottle Depot Ltd.	Bulkley Nechako	Smithers	Yes	Yes
Burns Lake Recycling Depot	Bulkley Nechako	Burns Lake	Yes	No
Fort St. James Transfer Station	Bulkley Nechako	Fort St. James	Yes	No
Houston Bottle Depot	Bulkley Nechako	Houston	Yes	Yes
Knockholt Sub-Regional Landfill	Bulkley Nechako	Houston	Yes	No
Nechako Valley School Bottle Depot	Bulkley Nechako	Vanderhoof	Yes	No
Ouellette Bros. Building Supplies	Bulkley Nechako	Fort St. James	No	Yes
Smithers/Telkwa Transfer Station	Bulkley Nechako	Smithers	Yes	Yes
A&P Disposal	Capital Regional District	Sooke	Yes	Yes
Alpine Disposal & Recycling	Capital Regional District	Langford	No	Yes
Bay Street Castle	Capital Regional District	Victoria	No	No
Ellice Recycle Ltd.	Capital Regional District	Victoria	No	Yes
Gabriola Island Recycling Organization	Capital Regional District	Gabriola Island	Yes	Yes
Galiano Island Recycling Resources	Capital Regional District	Galiano Island	Yes	No
Hartland Recycling Depot	Capital Regional District	Saanich	Yes	Yes
Lowe's - Langford #3702 (store #83003)	Capital Regional District	Victoria	No	No
Mayne Island Recycling Society (MIRS)	Capital Regional District	Mayne Island	No	No
Oak Bay Recycling Depot	Capital Regional District	Oak Bay	No	No
Pender Island Recycling Society	Capital Regional District	Pender Island	Yes	No
Saltspring Island Recycling	Capital Regional District	Saltspring Island	No	Yes



Collection Site Name	Regional District	City	Paint ReUse	Paint Plus
Sidney Bottle Depot (dba Island Return It Sidney)	Capital Regional District	Sidney	Yes	No
Central Cariboo Disposal Services	Cariboo	Williams Lake	Yes	Yes
Gold Trail Recycling	Cariboo	100 Mile House	Yes	Yes
Quesnel Landfill Site	Cariboo	Quesnel	No	No
Rona - Interlakes Building Supplies Ltd. (Lone Butte) (#7240)	Cariboo	Lone Butte	No	No
RONA Home Centre (Quesnel) (#61320)	Cariboo	Quesnel	No	No
RONA Home Centre (Williams Lake) (#61340)	Cariboo	Williams Lake	No	No
Bella Bella Eco-Depot (Heiltsuk Environmental Services)	Central Coast	Bella Bella	Yes	Yes
Bella Coola Recycling Depot	Central Coast	Bella Coola	Yes	No
Thorsen Creek Recycling Depot	Central Coast	Bella Coola	Yes	Yes
Columbia Bottle Recycling	Central Kootenay	Creston	Yes	No
Kaslo Building Supplies	Central Kootenay	Kaslo	No	Yes
Nelson Leafs Recycling Centre	Central Kootenay	Nelson	Yes	Yes
Silverton Building Supplies	Central Kootenay	Silverton	No	No
Battery Doctors	Central Okanagan	Kelowna	Yes	Yes
Boucherie Self Storage & Bottle Depot	Central Okanagan	Westbank	Yes	Yes
RONA Home & Garden (Kelowna) (#61700)	Central Okanagan	Kelowna	No	No
B&D Bottlers Ltd dba Revelstoke Bottle Depot	Columbia Shuswap	Revelstoke	Yes	No
Bill's Bottle Depot	Columbia Shuswap	Salmon Arm	Yes	Yes
Golden Landfill	Columbia Shuswap	Golden	No	Yes
Revelstoke Refuse Disposal Facility	Columbia Shuswap	Revelstoke	No	Yes
Rona - Glacier Building Supplies (Revelstoke) (#123)	Columbia Shuswap	Revelstoke	No	No
RONA Home Centre (Golden) (#61830)	Columbia Shuswap	Golden	No	No
Salmon Arm Landfill	Columbia Shuswap	Salmon Arm	No	Yes

Collection Site Name	Regional District	City	Paint ReUse	Paint Plus
Scotch Creek Bottle Depot	Columbia Shuswap	Scotch Creek	Yes	No
Comox Return Centre	Comox Valley	Comox	Yes	No
Comox Valley Waste Management Centre	Comox Valley	Cumberland	Yes	Yes
Courtenay Return-It Depot	Comox Valley	Courtenay	Yes	No
Hornby Island Waste Management Centre	Comox Valley	Hornby Island	Yes	Yes
Bings Creek Solid Waste Management Complex	Cowichan Valley	Duncan	Yes	Yes
Cowichan Valley Bottle Depot dba Island Return-It Recycling Centre - Cowichan Valley Bottle Depot	Cowichan Valley	Duncan	Yes	Yes
Fisher Road Recycling (Division of DL Bins Ltd)	Cowichan Valley	Cobble Hill	Yes	Yes
Junction Bottle Depot Ltd.	Cowichan Valley	Ladysmith	Yes	No
Meade Creek Recycling Drop-Off Depot	Cowichan Valley	Lake Cowichan	Yes	Yes
Peerless Road Recycling Drop-Off Depot	Cowichan Valley	Ladysmith	Yes	Yes
RONA Building Centre (Cobble Hill) (#61040)	Cowichan Valley	Cobble Hill	No	No
Cranbrook Bottle Depot	East Kootenay	Cranbrook	Yes	Yes
Fernie Bottle Depot	East Kootenay	Fernie	Yes	No
Invermere Fire Department	East Kootenay	Invermere	Yes	No
New & Nearly New	East Kootenay	Kimberley	Yes	No
RONA - Northstar Hardware & Building Supplies (Invermere) (#8999)	East Kootenay	Invermere	No	No
Ace Victory Building Centre	Fraser Fort George	Mackenzie	No	No
Nechako Bottle Depot	Fraser Fort George	Prince George	No	Yes
PG Recycling & Return-It Centre (BBK Holding Inc.)	Fraser Fort George	Prince George	Yes	No
RONA - Capital Building Supplies (Prince George) (#1890)	Fraser Fort George	Prince George	No	No
Valemount Recycling Centre	Fraser Fort George	Valemount	Yes	No
Abbotsford Bottle Depot	Fraser Valley	Abbotsford	No	Yes

Collection Site Name	Regional District	City	Paint ReUse	Paint Plus
Abbotsford Community Services Recycling	Fraser Valley	Abbotsford	Yes	Yes
Aldergrove Return-It	Fraser Valley	Aldergrove	Yes	Yes
Chilliwack Bottle Depot	Fraser Valley	Chilliwack	No	Yes
Mission Recycle Center Ltd.	Fraser Valley	Mission	Yes	No
Mission Recycling Depot	Fraser Valley	Mission	Yes	Yes
R&T Bottle Depot	Fraser Valley	Abbotsford	Yes	No
Regional Recycling Abbotsford	Fraser Valley	Abbotsford	Yes	Yes
RONA - Fraser Valley Building Supplies (Hope) (#61350)	Fraser Valley	Hope	No	No
RONA Home Centre (Chilliwack) (#61390)	Fraser Valley	Chilliwack	No	No
RONA Home Centre (Clearbrook) (#61220)	Fraser Valley	Abbotsford	No	No
Sardis Bottle Depot	Fraser Valley	Chilliwack	Yes	No
District of Stewart	Kitimat Stikine	Stewart	Yes	No
Do Your Part Recycling	Kitimat Stikine	Terrace	Yes	Yes
Hazelton Bottle Depot	Kitimat Stikine	New Hazelton	Yes	No
Kitimat Recycling Depot	Kitimat Stikine	Kitimat	Yes	No
Beaverdell Landfill	Kootenay Boundary	Beaverdell	Yes	Yes
Grand Forks Bottle Depot	Kootenay Boundary	Grand Forks	No	Yes
Grand Forks Regional Landfill	Kootenay Boundary	Grand Forks	Yes	Yes
McKelvey Creek Landfill	Kootenay Boundary	Trail	No	Yes
Trail Bottle Depot (0933258 BC LTD)	Kootenay Boundary	Trail	Yes	No
West Boundary Regional Landfill	Kootenay Boundary	Greenwood	Yes	Yes
Agassiz Bottle Depot	Metro Vancouver	Agassiz	Yes	Yes
Biggar Bottle Depot	Metro Vancouver	Port Coquitlam	No	Yes
Bridgeview Return-It	Metro Vancouver	Surrey	Yes	No
Burnaby Recycling Depot dba Burnaby Eco Centre	Metro Vancouver	Burnaby	No	Yes
Coquitlam Return-It Depot	Metro Vancouver	Coquitlam	Yes	No
Coquitlam Transfer Station	Metro Vancouver	Coquitlam	Yes	Yes
East Hastings Bottle Depot	Metro Vancouver	Burnaby	Yes	Yes
East Van Bottle Depot	Metro Vancouver	Vancouver	No	Yes

<b>Collection Site Name</b>	<b>Regional District</b>	<b>City</b>	<b>Paint ReUse</b>	<b>Paint Plus</b>
Edmonds Return-It Depot	Metro Vancouver	Burnaby	Yes	Yes
Fleetwood Bottle Return Depot Ltd.	Metro Vancouver	Surrey	No	No
Go Green Bottle Depot and Recycling	Metro Vancouver	Vancouver	Yes	No
Guildford Bottle Depot 2001 Ltd.	Metro Vancouver	Surrey	Yes	No
Ironwood Bottle & Return-it Depot	Metro Vancouver	Richmond	Yes	No
Jenill Bottle Depot	Metro Vancouver	Surrey	Yes	Yes
Joe's Bottle Depot	Metro Vancouver	Vancouver	No	No
Kitchener Bottle Depot Ltd.	Metro Vancouver	Burnaby	Yes	No
Ladner Bottle Depot	Metro Vancouver	Delta	No	No
Langley Bottle Depot	Metro Vancouver	Langley	Yes	No
Lee's Bottle Depot	Metro Vancouver	Burnaby	No	No
Lougheed Return-It Depot	Metro Vancouver	Coquitlam	Yes	No
Lowe's - New Westminister (Queensborough) #3056 (Store #82045)	Metro Vancouver	New Westminister	No	No
Lowe's Vancouver Grandview #83004 (3704)	Metro Vancouver	Vancouver	No	No
New Westminister Recycling	Metro Vancouver	New Westminister	No	No
Newton Bottle Depot	Metro Vancouver	Surrey	Yes	No
North Shore Bottle Depot	Metro Vancouver	North Vancouver	Yes	Yes
North Van / North Shore Transfer Station	Metro Vancouver	North Vancouver	No	Yes
North Van Bottle Depot	Metro Vancouver	North Vancouver	Yes	Yes
Panorama Village Return-it	Metro Vancouver	Surrey	Yes	No
Pitt Meadows Bottle & Return-it Depot Ltd.	Metro Vancouver	Pitt Meadows	Yes	No
Powell Street Return-it Bottle Depot	Metro Vancouver	Vancouver	Yes	No
Regional Recycling Cloverdale	Metro Vancouver	Surrey	Yes	Yes
Regional Recycling Richmond	Metro Vancouver	Richmond	Yes	Yes
Regional Recycling Vancouver	Metro Vancouver	Vancouver	Yes	Yes
Richmond Recycling Depot	Metro Vancouver	Richmond	No	Yes

Collection Site Name	Regional District	City	Paint ReUse	Paint Plus
Ridge Meadows Recycling Society dba Maple Ridge Recycling Depot	Metro Vancouver	Maple Ridge	Yes	Yes
RONA - BH Allen Building Centre (North Vancouver) (#8140)	Metro Vancouver	North Vancouver	No	No
RONA - Mack Foster Building Materials (Richmond) (#8040)	Metro Vancouver	Richmond	No	No
RONA Home Centre (Austin) (#61290)	Metro Vancouver	Coquitlam	No	No
RONA Home Centre (Burnaby - Edmonds) (#61270)	Metro Vancouver	Burnaby	No	No
RONA Home Centre (Coquitlam) (#61260)	Metro Vancouver	Coquitlam	No	No
RONA Home Centre (Fleetwood) (#61720)	Metro Vancouver	Surrey	No	No
RONA Home Centre (King George Newton) (#61250)	Metro Vancouver	Surrey	No	No
RONA Home Centre (Maple Ridge) (#61190)	Metro Vancouver	Maple Ridge	No	No
RONA Home Centre (North Van-Tilford) (#61740)	Metro Vancouver	North Vancouver	No	No
RONA Home Centre (South Surrey) (#61240)	Metro Vancouver	Surrey	No	No
Scott Road Bottle Depot	Metro Vancouver	Surrey	Yes	Yes
Semiahmoo Bottle Depot	Metro Vancouver	Surrey	No	No
South Van Bottle Depot	Metro Vancouver	Vancouver	Yes	Yes
Tsawwassen Bottle Depot (D&G Recycling)	Metro Vancouver	Delta (Tsawwassen)	Yes	No
Vancouver West bottle depot	Metro Vancouver	Vancouver	No	No
Walnut Grove Bottle Depot	Metro Vancouver	Langley	Yes	No
White Rock Return-It Depot Ltd.	Metro Vancouver	Surrey	Yes	Yes
Willowbrook Recycling Depot	Metro Vancouver	Langley	No	No
Malcolm Island Recycling Centre	Mt. Waddington	Sointula	Yes	No
Port Hardy Return-it Centre	Mt. Waddington	Port Hardy	Yes	Yes
RONA - RA Rosback Enterprises (Alert Bay) (#1215)	Mt. Waddington	Alert Bay	No	No

Collection Site Name	Regional District	City	Paint ReUse	Paint Plus
RONA - RA Rosback Enterprises (Port McNeill) (#1195)	Mt. Waddington	Port McNeill	No	No
Seven Mile Recycling Centre	Mt. Waddington	Port McNeill	Yes	Yes
Woss Recycling Depot	Mt. Waddington	Woss	Yes	No
Parksville Bottle & Recycling Depot	Nanaimo	Parksville	Yes	Yes
Qualicum Bottle Depot	Nanaimo	Qualicum Beach	Yes	No
Regional Recycling Nanaimo - Hayes	Nanaimo	Nanaimo	Yes	Yes
Regional Recycling Nanaimo - Old Victoria	Nanaimo	Nanaimo	Yes	Yes
RONA Building Centre (Nanaimo) (#61030)	Nanaimo	Nanaimo	No	No
Islands Regional Landfill Depot	North Coast	Port Clements	Yes	No
Lax Kw'alaams Waste Transfer Station	North Coast	Lax Kw'alaams	Yes	Yes
Queen Charlotte City Depot	North Coast	Queen Charlotte City	Yes	No
Regional Recycling Prince Rupert (SQCRD)	North Coast	Prince Rupert	Yes	Yes
RONA - Tye Building Supplies (Prince Rupert) (#4390)	North Coast	Prince Rupert	No	No
Chasers Bottle Depot	North Okanagan	Vernon	Yes	Yes
Enderby Return-It Recycling Depot	North Okanagan	Enderby	Yes	No
Interior Freight & Bottle Ltd.	North Okanagan	Vernon	Yes	Yes
KBM Autoworks	North Okanagan	Lumby	Yes	No
RONA Home Centre (Vernon) (#61300)	North Okanagan	Vernon	No	No
Wide Sky Disposal	Northern Rockies	Fort Nelson	Yes	Yes
Campbell Mountain Landfill	Okanagan Similkameen	Penticton	Yes	Yes
J&C Bottle Depot	Okanagan Similkameen	Penticton	Yes	Yes
Oliver Sanitary Landfill	Okanagan Similkameen	Oliver	Yes	No
Osoyoos Bottle Depot	Okanagan Similkameen	Osoyoos	Yes	No
RONA Home Centre (Penticton) (#61490)	Okanagan Similkameen	Penticton	No	No
Summerland Bottle Depot	Okanagan Similkameen	Summerland	Yes	No
Summerland Landfill	Okanagan Similkameen	Summerland	Yes	Yes
T-2 Market	Okanagan Similkameen	Oliver	Yes	Yes

<b>Collection Site Name</b>	<b>Regional District</b>	<b>City</b>	<b>Paint ReUse</b>	<b>Paint Plus</b>
Town of Princeton	Okanagan Similkameen	Princeton	Yes	No
Chetwynd Recycling & Bottle Depot	Peace River	Chetwynd	Yes	Yes
D.C. Recycling & Bottle Depot	Peace River	Dawson Creek	Yes	No
FSJ Bottle Drop	Peace River	Fort St. John	Yes	Yes
Prespatou Transfer Station	Peace River	Prespatou	Yes	Yes
R3 Recycle-It Resource Recovery	Peace River	Fort St. John	Yes	Yes
RONA Building Centre (Fort St. John) (#8444)	Peace River	Fort St. John	No	No
Tumbler Ridge Transfer Station	Peace River	Tumbler Ridge	Yes	Yes
Augusta Recyclers Ltd.	qathet	Powell River	Yes	Yes
RONA - Powell River Building Supply (#2791)	qathet	Powell River	No	No
Carney's Waste Systems - Pemberton Waste & Recycling Facility	Squamish Lillooet	Pemberton	Yes	Yes
Carney's Waste Systems - Squamish	Squamish Lillooet	Squamish	Yes	Yes
Carney's Waste Systems - Whistler	Squamish Lillooet	Whistler	Yes	No
Regional Recycling Whistler	Squamish Lillooet	Whistler	Yes	Yes
RONA - Pemberton Valley Hardware (#8522)	Squamish Lillooet	Pemberton	No	No
RONA Home Centre (Squamish) (#61450)	Squamish Lillooet	Squamish	No	No
RONA Home Centre (Whistler) (#61460)	Squamish Lillooet	Whistler	No	No
SLRD Lillooet Landfill	Squamish Lillooet	Lillooet	Yes	Yes
Tsal'alh Eco-Depot - Seton Lake	Squamish Lillooet	Shalalth	Yes	Yes
Campbell River Bottle Depot (dba Island Return It Campbell River)	Strathcona	Campbell River	Yes	Yes
Campbell River Waste Management Centre	Strathcona	Campbell River	Yes	Yes
Cortes Island Recycling Centre	Strathcona	Cortes Island	Yes	Yes

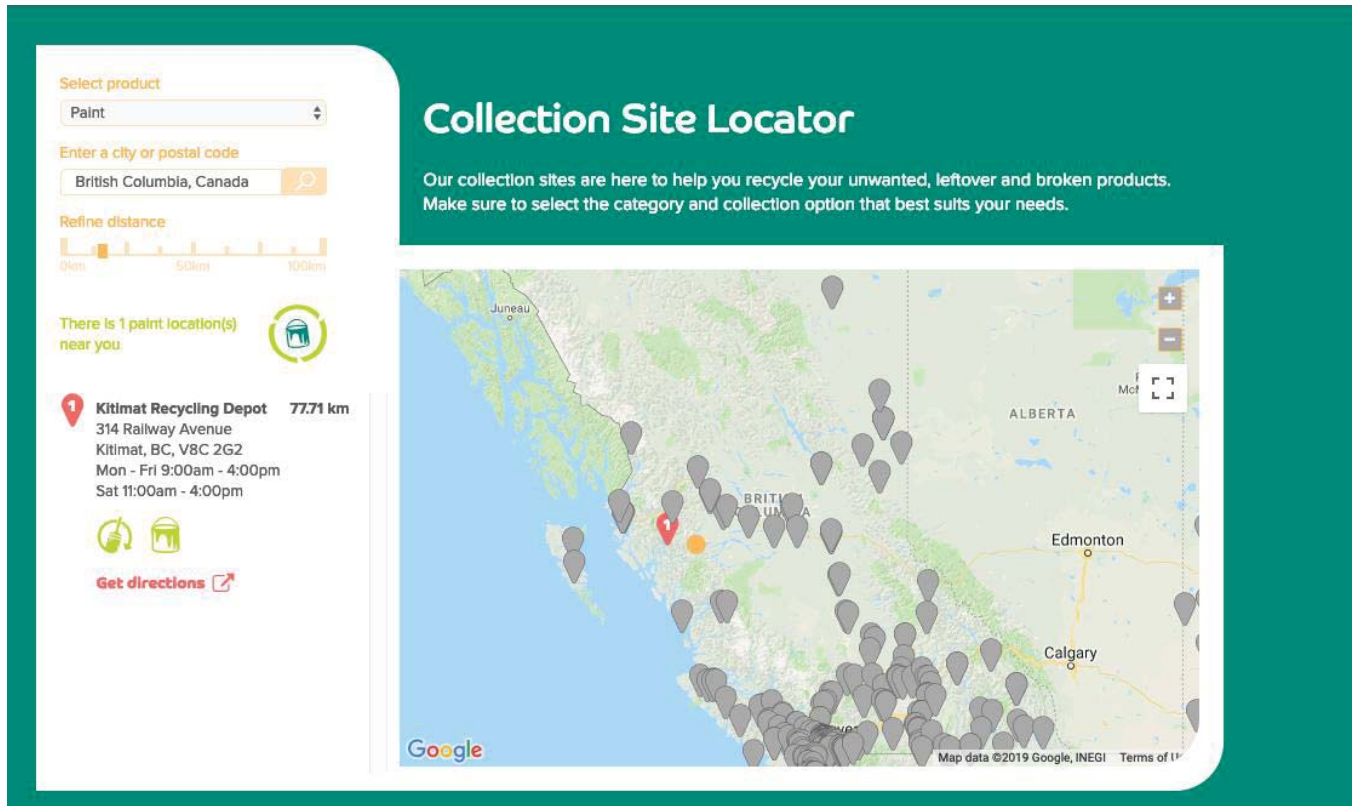
Collection Site Name	Regional District	City	Paint ReUse	Paint Plus
Village of Gold River	Strathcona	Gold River	Yes	Yes
Gibsons Recycling Depot	Sunshine Coast	Gibsons	Yes	Yes
GRIPS Recycling	Sunshine Coast	Pender Harbour	Yes	No
RONA - Coast Builders (Madeira Park) (store #9551)	Sunshine Coast	Madeira Park	No	No
Sechelt Landfill	Sunshine Coast	Sechelt	Yes	Yes
70 Mile House Eco-Depot	Thompson Nicola	70 Mile House	No	Yes
Barnhartvale Landfill	Thompson Nicola	Kamloops	No	No
Blue River Eco-Depot	Thompson Nicola	Blue River	No	Yes
Clearwater Eco-Depot	Thompson Nicola	Clearwater	No	Yes
Clinton Eco-Depot	Thompson Nicola	Clinton	No	Yes
Heffley Creek Eco-Depot	Thompson Nicola	Heffley Creek	No	Yes
Home Hardware - Merritt	Thompson Nicola	Merritt	No	Yes
Logan Lake Eco-Depot	Thompson Nicola	Logan Lake	No	Yes
Lorne Street Bottle Depot	Thompson Nicola	Kamloops	Yes	Yes
Louis Creek Eco-Depot	Thompson Nicola	Louis Creek	No	Yes
Lower Nicola Eco-Depot	Thompson Nicola	Lower Nicola	No	Yes
Lytton Eco-Depot	Thompson Nicola	Lytton	No	Yes
Merritt Machine Works Ltd.	Thompson Nicola	Merritt	Yes	No
Mission Flats Landfill	Thompson Nicola	Kamloops	Yes	Yes
Quality Glass Ltd.	Thompson Nicola	Ashcroft	Yes	No
Rona - North Valley Supply Ltd. (Clearwater) (#6410)	Thompson Nicola	Clearwater	No	No
RONA Home Centre (Kamloops) (#61310)	Thompson Nicola	Kamloops	No	No
South Thompson Eco-Depot	Thompson Nicola	Pritchard	No	Yes
Starlite Auto Wrecking & Repair	Thompson Nicola	Sorrento	Yes	No



## APPENDIX B: BC Paint and HHW Communications Materials

### Recycling Locator tool

Below is a snapshot of the recycling locator tool found at regeneration.ca.



### PoR/PoS brochures



With over 200 collection sites across the province it's never been easier to find a location near you!

## Recycle your old or leftover paint for free!



**PaintReuse**  
Free Leftover Paint.

### Need paint for a small job or touch up project?

Our PaintReuse program offers leftover paint collected at PaintRecycle collection sites to whoever wants it, completely free of charge!

Many collection sites across BC are participating in the program. For more information and to find your nearest location, head to [ReGeneration.ca](http://ReGeneration.ca)



[ReGeneration.ca](http://ReGeneration.ca)  
1-800-667-4321 - Toll Free  
604-732-9253 - Lower Mainland



**PaintRecycle**

BC's only paint recycling program

## Accepted Products

### Household Paint

Maximum Container Size 25 litres

- Interior and exterior: water-based (e.g. latex, acrylic) and oil-based (e.g. alkyd, enamel) consumer paint
- Deck and floor coating (including elastomeric)
- Varnish and urethane (single-component)
- Concrete and masonry paint
- Drywall paint
- Undercoats and primers (e.g. metal, wood, etc.)
- Stucco paint
- Marine paint (unless registered under Pest Control Products Act)
- Wood finishing oil
- Melamine, metal and anti-rust paint, stain and shellac
- Swimming pool paint (single-component)
- Stain blocking paint
- Textured paint
- Block filler
- Wood, masonry, driveway sealer or water repellent (non-tar based or bitumen based)
- Already empty paint container

### Paint Aerosols

Maximum container size is 660 grams

- All paint aerosols are accepted
- Consumer
- Industrial
- Automotive



## Not Accepted Products

- Unidentifiable or unlabeled containers
- Brushes, rags and rollers
- Paint in glass containers
- Improperly sealed paint containers
- Paint containers with poor integrity (e.g. badly rusted or leaking cans)
- Bulging containers
- Industrial paints & finishes (e.g. baked-on, heat resistant etc.)
- Paints or wood preservatives that are registered as a pesticide under the Pest Control Products Act (has a P.C.P. Registration number on label)
- Craft paint (non-aerosol)
- Automotive paint (non-aerosol)
- Two-part or component paints containing catalyst or activator
- Roof patch or repair
- Tar or tar/bitumen-based products
- Traffic or line marking paint
- Resins
- Paint thinner, mineral spirits or solvents
- Deck cleaners
- Colorants and Tints
- Caulking compound, epoxies, glues or adhesives
- Other household chemicals



## Drop-off Checklist

- ✓ Products must be in their original container with original label intact
- ✓ Container must be tightly sealed
- ✓ Do not mix different types of paint products together

## FAQs

### How do I store my products for later use?

- Store in original, securely-sealed, labelled containers.
- Store in well-ventilated areas, away from heat and ignition sources.
- Keep out of reach of children and pets.
- Paint can be stored for reuse. Clean the rim for a good seal. Pour 3mm (1/8") of paint thinner on top of oil-based paint, or 3mm (1/8") of water on latex paint, or store with container upside down.
- Paint thinner can be stored for reuse. Allow solids to settle and pour off the clear thinner into an appropriate container for reuse. Discard the leftover residual when completely dry.

### Are all products accepted at every collection location?

Some collection locations only accept specific products. Visit [ReGeneration.ca](http://ReGeneration.ca) to find the collection site nearest you and the products accepted at that location.

### What happens to the collected products?

Returned or leftover products are transported to an approved facility for processing, treatment, recycling, and proper disposal.



With over 200 collection sites across the province, it's never been easier to find a location near you!

## About Us

### Who is ReGeneration?

At our core, we are a group of people committed to making the recycling of special waste easy for everyone. **ReGeneration** provides consumers with a no-charge collection network for a number of special waste products, including paint, household hazardous materials, lights and light fixtures, smoke alarms, and more.

Our programs help protect the environment by diverting leftover and end-of-life products from landfills and waterways.

### How is the program funded?

Similar to other recycling programs in B.C., this program is funded by an environmental handling fee applied to the sale of new products to cover the cost of collection, transportation, and recycling.

## Got leftover household paint, flammable liquids, pesticides or gasoline?



Drop them off **FOR FREE** at a collection site near you!



Want **FREE** leftover paint for a small job or touch-up project?

Visit [ReGeneration.ca](http://ReGeneration.ca) to find your nearest collection site participating in the PaintReuse program.



[ReGeneration.ca](http://ReGeneration.ca)  
1.888.772.9772 - Toll Free  
604.732.9253 - Lower Mainland



## Accepted Products

### Paint Products

Maximum Container Size: **25 Litres**

- Interior and exterior: water-based (e.g. latex, acrylic) and oil-based (e.g. alkyd, enamel) consumer paint
- Deck and floor coating (including elastomeric)
- Varnish and urethane (single-component)
- Concrete and masonry paint
- Drywall paint
- Undercoats and primers (e.g. metal, wood, etc.)
- Stucco paint
- Marine paint (unless registered under Pest Control Products Act)
- Wood finishing oil
- Melamine, metal and anti-rust paint, stain and shellac
- Swimming pool paint (single-component)
- Stain blocking paint
- Textured paint
- Block filler
- Wood, masonry, driveway sealer or water repellent (non-tar based or bitumen based)
- Already empty paint container

### Paint Aerosols

Maximum container size is **660 grams or 24 ounces**  
All paint aerosols are accepted

- Consumer
- Industrial
- Automotive



### Flammable Liquids

Flammable liquids and aerosols must display the flammable symbol.

Maximum container size for flammable liquids is **10 litres**; maximum size for aerosols is **660 grams or 24 ounces**.

- Acetone
- BBQ lighter fluid
- Camping fuel
- Fondue fuel
- Furniture stripper
- Kerosene
- Flammable degreasers, lubricants, and liquid adhesives
- Flammable fuel treatment and additives
- Methanol and methyl hydrate
- Mineral spirits
- Paint stripper and thinners
- Paint and varnish remover
- Turpentine and varsol
- Other flammable solvents

### Pesticides

Consumer pesticides must have the poison symbol (skull and crossbones), the Pest Control Product (PCP) number, and the word "domestic" on the label.

Maximum container size for liquid and solid pesticides is **10 litres**; maximum size for aerosols is **660 grams or 24 ounces**.

- Liquid and solid pesticides
- Aerosol containers

### Gasoline

Gasoline will be accepted only in an approved ULC container. For safety reasons, the gasoline container cannot be returned to the consumer at drop off.

- Leftover, stale, or old gasoline contaminated with oil or water



## Not Accepted

The following products are not accepted at any location

- Commercial, industrial, or agricultural products (except industrial aerosols)
- Unidentifiable, unknown, or unlabelled products
- Leaking or improperly sealed products
- Non-aerosol automotive paint
- Non-aerosol craft paint
- Quick drying or line marking paint
- Caulking compound
- Two-part or component paint containing catalyst or activator
- Brushes, rags, and rollers
- Roof patch or repair tars and grease
- Non-flammable glue and adhesive
- Diesel, propene, or butane fuels
- Insect repellents, disinfectants, and pet products
- Cosmetic products
- Fertilizer

### Thing to Know

- We don't accept empty containers, other than empty paint cans or aerosols
- Products must be in their original container with label intact
- Container must be tightly sealed
- Gasoline must be returned in an approved ULC gasoline container
- Do not mix different types of products together



**PoR/PoS Floor Decal**



**Recycling Location Signage**

# PaintRecycle



## ACCEPTED PRODUCTS

- Paints and coatings in containers equal to or less than 25 Litres
- All stains and coatings
- Interior & Exterior: latex, acrylic, water-based, alkyd, enamel, oil based consumer paints
- Deck coatings and floor paints (including elastomeric)
- Varnishes and urethanes (single component)
- Concrete/masonry paints
- Drywall paints
- Paints for stucco
- Primers/Undercoats (metal, wood)
- Marine paints (not registered under Pest Control Product Act)
- Wood finishing oils
- Wood preservatives (unless registered under Pest Control Act)
- Melamine, metal & anti-rust paints, stains, shellac
- Swimming pool paint (single component)
- Stain blocking paint
- Textured paint (ceiling, wall)
- Block fillers
- Wood, masonry, driveway & roof sealers/coatings or water repellents (including all tar based & bitumen based)
- Aerosol paint of all types including Automotive, Craft and Industrial



## NOT ACCEPTED

- Waxes and polishes
- Caulks and sealants
- Paints or wood preservatives that are registered as a pesticide under the pest control act (has P.C.P. Reg # on label) e.g. marine anti-fouling paint, should be treated as a pesticide
- Craft and artistic paint (non-aerosol)
- Automotive paint (non-aerosol)
- Industrial paints & finishes (eg. baked-on, heat resistant etc.)
- Stucco and spackling compounds
- Glues
- Adhesives
- Epoxy
- 2-part or component paints containing catalyst or activator
- Traffic or line marking paint
- Quick drying paint
- Resins
- Paint thinners, mineral spirits or solvents
- Deck cleaners
- Colorants and tints
- Brushes, rags and rollers



- Maximum container size is 25 L.
- Aerosol paint spray cans 660 grams or 24 oz.
- Products must be in their original container with label intact
- Container must be tightly sealed
- Do not mix different types of paint products together



## Website Blog posts

**4 EXPERT TIPS FOR CHOOSING PAINT COLOURS IN YOUR HOME**

April 30th, 2018 / [Blog](#)



Sunset Orange, Popsicle Dream, or Pumpkin Soup? Renovation decisions ...

[READ MORE](#)

**DON'T CAN YOUR EMPTY PAINT CANS—RECYCLE THEM!**

June 1st, 2018 / [Blog](#)



It's official: you can recycle paint cans in almost all Canadian ...

[READ MORE](#)

**5 ECO-FRIENDLY TIPS FOR HOMEOWNERS**

July 30th, 2018 / [Blog](#)



Becoming a homeowner for the first time is very exciting— it's a huge ...

[READ MORE](#)



PROGRAMS ABOUT NEWS EVENTS CONTACT

[FIND A COLLECTION SITE](#)



**DON'T CAN YOUR EMPTY PAINT CANS—RECYCLE THEM!**

June 1st, 2018 / [Blog](#)

[← Back to News](#)

It's official: you can recycle paint cans in almost all Canadian provinces through our programs. What does this mean for your trips to the local depot? Read on below!



**Google Search Ad**

Recycle Leftover Paint Today | Find A Drop-Off Site Near You



[www.regeneration.ca](http://www.regeneration.ca)

Keep paint out of landfills - recycle it! Find your nearest drop-off site here 200 Locations in BC. Many Products Accepted. Free to Drop-Off. Open to Everyone.

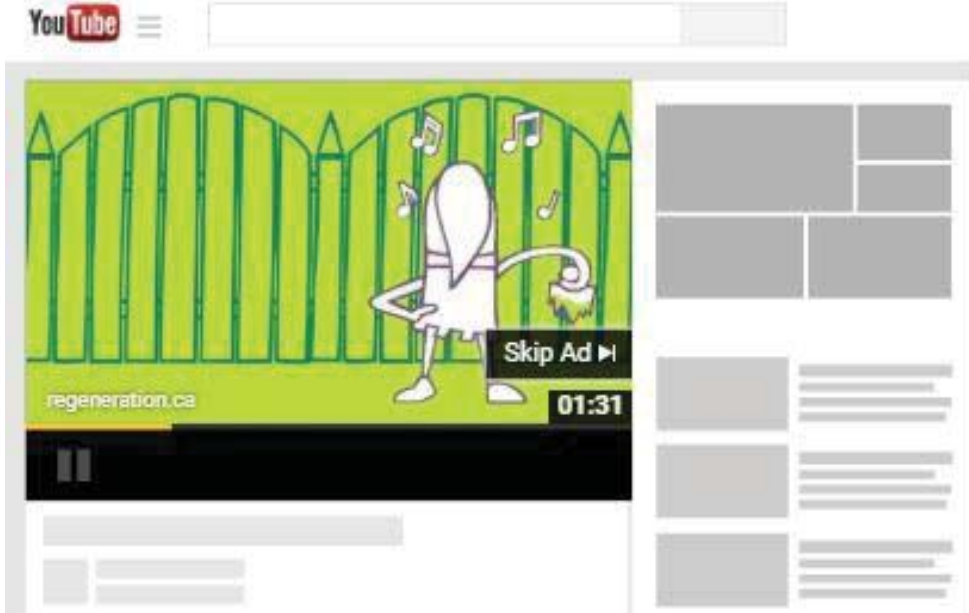
[Recycle Your Paint](#)

[About Product Care](#)


**Google Display Ad**




**YouTube Video Ad**



### Sample Facebook Ad


**ReGeneration**  
 Sponsored · 🌐

Our recycling program keeps millions of litres of paint out of landfill each year. Recycle your leftover paint at hundreds of drop-off locations across BC.



REGENERATION.CA/PAINT-RE...  
**How To Recycle Your Leftover Paint**
LEARN MORE

👍🔴 22      1 Comment   19 Shares

👍 Like    💬 Comment    ➦ Share

### Sample Gated Facebook Post





### Product Care Recycling

Published by Alex Barrow [?] · August 14, 2018 · 🌟



Thank you for painting our mural with us at the Vancouver Mural Festival!  
We think it looks great!

All the paint we used was gathered through our paint reuse program.

Find out how you can get free paint for your own project:

<http://bit.ly/2MvBkj4>



## Municipal Calendar Print Advertisement

# Recycle paint, pesticides, solvents & flammable liquids across British Columbia

for a complete list of accepted products and to find your nearest collection site visit [ReGeneration.ca](http://ReGeneration.ca).



Stay connected  
@ReGenerateThis

**ReGeneration.ca**  
Special Waste Recycling by 

## Green Space Print Advertisement



## Have large quantities of paint, lights or smoke alarms for recycling?

Product Care offers a first-of-its-kind recycling program for paint, paint aerosols, lights, lighting fixtures, ballasts, smoke alarms, and carbon monoxide alarms. Drop them off at a designated collection site for **FREE**, or contact us for more details on our **FREE** large volume pick up service.

For details, restrictions, and a full list of accepted products, visit [productcare.org](http://productcare.org).



## Vancouver Pride Guide Print ad



## Recycle with pride!

Recycle your paint, lights, and smoke alarms for free across BC. Find your nearest location at [ReGeneration.ca/pride](http://ReGeneration.ca/pride)



### CPCA Insight Print Advertisement



**Caring for your paint products' end of life so you don't have to**

For more information about our recycling programs available in your province, visit us at [productcare.org](http://productcare.org)

**productcare**

Phone: 604-592-2972  
Toll Free: 1.877.592.2972  
Email: [info@productcare.org](mailto:info@productcare.org)

### Direct mail campaign flyer

Still on the fence about what to do with your leftover paint? Recycle it for free!



### Have leftover or old paint? Recycle it!

Don't let your leftover paint gather dust in your garage. Declutter your home and recycle your paint for free at hundreds of paint collection sites across the province. Find a location near you at [ReGeneration.ca](http://ReGeneration.ca)

### What paint products are accepted?

Accepted products include water and oil based household paints (interior/exterior), deck coatings, varnishes, driveway sealer, empty paint cans, paint aerosols, and more. Find a full list of accepted products on our website.



## **APPENDIX C: BC Paint & HHW Audited Financial Statements**

**PRODUCT CARE ASSOCIATION OF CANADA  
BC PAINT AND HOUSEHOLD HAZARDOUS  
WASTE PROGRAM**

**STATEMENT OF REVENUES AND EXPENSES**

**31 DECEMBER 2018**

**PRODUCT CARE ASSOCIATION OF CANADA  
BC PAINT AND HOUSEHOLD HAZARDOUS WASTE PROGRAM  
Statement of Revenues and Expenses  
For the year ended 31 December 2018**

**Contents**

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Notes to the Statement of Revenues and Expenses	6 - 7



1500-1090 West Georgia Street  
Vancouver, B.C. V6E 3V7  
Tel: 604-684-1101 Fax: 604-684-7937  
E-mail: admin@rolfebenson.com

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## INDEPENDENT AUDITORS' REPORT

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To: BC Ministry of Environment,

### Report on the Audit of the Statement of Revenues and Expenses

#### Opinion

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 Paint and Household Hazardous Waste Program (the "Statement") as reported by Product Care Association of Canada (the "Association") for the year ended 31 December 2018 and a summary of significant accounting policies and other explanatory information.

In our opinion, the Statement presents fairly, in all material respects, the revenues and expenses of the BC Paint and Household Hazardous Waste Program for the year ended 31 December 2018 in accordance with Canadian accounting standards for not-for-profit organizations.

#### Basis for Opinion

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the Auditors' Responsibilities section of our report. We are independent of the Association in accordance with the ethical requirements that are relevant to our audit of the Statement in Canada, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

#### Other Matter - Restriction on Distribution and Use

This report is prepared on the direction of Product Care Association of Canada'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 of Canada's management and the BC Ministry of Environment and should not be distributed to other parties.

#### Responsibilities of Management and Those Charged with Governance for the Statement

Management is responsible for the preparation and fair presentation 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 Statement that is free from material misstatement, whether due to fraud or error.





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## INDEPENDENT AUDITORS' REPORT - continued

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In preparing the Statement, management is responsible for assessing the Association's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Association or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Association's financial reporting process.

### Auditors' Responsibilities

Our objectives are to obtain reasonable assurance about whether the Statement as a whole is free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of this Statement.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the Statement, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit 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 Association's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Association's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditors' report to the related disclosures in the Statement or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditors' report. However, future events or conditions may cause the Association to cease to continue as a going concern.



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**INDEPENDENT AUDITORS' REPORT - continued**

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- Evaluate the overall presentation, structure and content of the Statement, including the disclosures, and whether the Statement represents the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

*Rolfe, Benson LLP*

CHARTERED PROFESSIONAL ACCOUNTANTS

Vancouver, Canada  
4 April 2019

**PRODUCT CARE ASSOCIATION OF CANADA**  
**BC PAINT AND HOUSEHOLD HAZARDOUS WASTE PROGRAM**  
**Statement of Revenues and Expenses**  
**For the year ended 31 December 2018**

	2018	2017
<b>Revenues</b>	<b>\$ 8,896,118</b>	<b>\$ 7,582,861</b>
<b>Program expenses</b>		
Processing	3,488,376	4,182,011
Collection	1,522,805	1,630,331
Transportation	1,178,060	1,107,751
Administration (Note 2(b) & (d))	1,112,120	1,118,546
Communications	42,875	129,921
	<u>7,344,236</u>	<u>8,168,560</u>
<b>Excess (deficiency) of revenues over expenses for the year</b>	<b>\$ 1,551,882</b>	<b>\$ (585,699)</b>
<b>Commitment (Note 3)</b>		

The accompanying notes are an integral part of this statement of revenues and expenses.

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**PRODUCT CARE ASSOCIATION OF CANADA**  
**BC PAINT AND HOUSEHOLD HAZARDOUS WASTE PROGRAM**  
**Notes to the Statement of Revenues and Expenses**  
**For the year ended 31 December 2018**

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**1. Basis of Presentation**

The Statement of Revenues and Expenses (the "Statement") only includes the revenues and expenses related to the BC Paint and Household Hazardous Waste Program (the "Program"), a segment of the operations of Product Care Association of Canada (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

Environmental Handling Fees are received from members of the BC Paint and Household Hazardous Waste 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. Environmental Handling Fees revenues are recognized as individual members report and remit them as required by the Association's membership agreement which is at the end of the month following the reporting period that the designated program materials were sold by the member.

(b) Tangible Capital Assets

Tangible capital assets are recorded at cost. The Association provides for amortization using the straight-line method at rates designed to amortize the cost of the tangible capital assets over their estimated useful lives. The annual amortization rates are as follows:

Depot equipment	3 and 5 years
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Included in administration expense is \$342,311 (2017 - \$342,664) of amortization expense related to tangible capital assets.

(c) 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 revenues and expenses and disclosure of contingencies included in the Statement. Accounts subject to estimates include revenue accruals, expense accruals, depreciation, overhead allocation and processing commitment. Actual results could differ from those estimates.

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**PRODUCT CARE ASSOCIATION OF CANADA  
BC PAINT AND HOUSEHOLD HAZARDOUS WASTE PROGRAM  
Notes to the Statement of Revenues and Expenses  
For the year ended 31 December 2018**

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**2. Summary of Significant Accounting Policies - continued**

(d) 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. Included in administration expense is \$456,935 (2017 - \$447,733) of overhead expense allocated to the Program.

**3. Processing Commitment**

At year end, the Association had unprocessed program materials on hand related to the Program with an estimated cost to process, transport and recycle of \$137,654 (2017 - \$105,437) which will be incurred in 2019.

## **APPENDIX D: BC Paint & HHW Audit Report**

**PRODUCT CARE ASSOCIATION OF CANADA -  
BC PAINT AND HOUSEHOLD HAZARDOUS WASTE  
PROGRAM**

**INDEPENDENT REASONABLE  
ASSURANCE REPORT**

**31 DECEMBER 2018**



1500 – 1090 West Georgia Street  
Vancouver, B.C. V6E 3V7  
Tel: 604-684-1101 Fax: 604-684-7937  
E-mail: admin@rolfebenson.com

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**INDEPENDENT REASONABLE ASSURANCE REPORT**

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To the Directors of  
Product Care Association of Canada,

**Level of Assurance and Selected Information**

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 Paint and Household Hazardous Waste Program to the British Columbia Ministry of Environment and Climate Change Strategy for the year ended 31 December 2018:

- Section 4 - Collection System Information and Appendix A - 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 Sold and Collected and Recovery Rate - the description of how total amounts of the producer’s product sold and collected and the recovery rate has been calculated in accordance with Section 8(2)(e) of the Recycling Regulation; and
- Section 9 - Performance Measures – 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 Recycling Regulation Guidance - Third Party Assurance for Non-Financial Information in Annual Reports – 2018 Reporting Year dated October 2018 as specified by the Director under section 8(2)(h) of the Recycling Regulation of the Province of British Columbia.





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.

### **Applicable Quality Control Requirements**

We apply Canadian Standard on Quality Control 1 and, accordingly, maintain a comprehensive system of quality control, including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

### **Scope of the Reasonable Assurance Engagement**

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; and
- Evaluating the presentation of the Selected Information 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 evaluation criteria.



### **Basis for Qualified Conclusion**

As noted in the Recycling Regulation Guidance - Third Party Assurance for Non-Financial Information in Annual Reports – 2018 Reporting Year dated October 2018, the definition of collection facilities accepting household hazardous waste is required to follow the Environmental Management Act Hazardous Waste Regulation, specifically Section 42.3 *Requirements for Establishment and Operation of a Return Collection Facility* and Section 42.4 *Operating Requirements for a Return Collection Facility* (the “Hazardous Waste Regulations”). We were unable to obtain sufficient appropriate evidence whether the collection facilities accepting household hazardous waste have conformed with the Hazardous Waste Regulations as the Association’s management had not developed a process to evaluate this and as such, the information was not available. Consequently, we were unable to determine whether collection facilities participating in the BC Paint and Household Hazardous Waste Program that accept household hazardous waste had conformed to the requirements of the Hazardous Waste Regulations.

### **Qualified Conclusion**

In our opinion, except for the effect of the matter described in the Basis for Qualified Conclusion paragraph, the Selected Information within Product Care Association of Canada’s Annual Report for the BC Paint and Household Hazardous Waste Program for the year ended 31 December 2018 presents fairly in accordance with the evaluation criteria listed in Appendix 1, 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 sold and collected and, if applicable, the producer’s recovery rate 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 further qualifying our opinion, the following should be noted regarding the information contained in the Annual Report:

1. The Selected Information in Section 6 - Pollution Prevention Hierarchy and Product/Component Management includes information related to the disposition of hazardous waste. The product management of hazardous waste is a multi-step process and shipments are tracked on government manifests. Shipments to the primary processor do not indicate the final treatment of products as this takes place at a secondary processor. Materials are comingled at the primary processor before being shipped to a secondary processor. Sample hazardous waste manifests indicating the expected disposition of products for shipments from the primary to secondary processors were obtained from 3 of the 5 hazardous waste primary processors. The final disposition of products shipped to the 2 processors where hazardous waste manifests were not available is based on questionnaire responses from these processors. As such, there is uncertainty surrounding the Selected Information contained in the Pollution Prevention Hierarchy section of Appendix 1 as it pertains to hazardous waste.



2. The Selected Information included in Section 7 specifically relating to Product Sold is based on self-reported member data. During the 2018 fiscal year, the Association performed internal member audits of 12 of the 144 members of the program and as such, the product sold data presented is subject to uncertainty.
3. No performance targets have been included in Section 9 of the Annual Report or in Appendix 1. The approved Program Plan contains targets for 2012 to 2016. At the date of the independent reasonable assurance report, the BC Ministry of Environment and Climate Change Strategy has approved the amended program plan, which contains performance targets for 2019 and beyond. As such the Association has not reported against any targets for 2018, but rather has reported out on the relevant performance metrics.

#### 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  
2 July 2019

Appendix 1

Evaluation Criteria

Collection facilities

Specific disclosures in the annual stewardship report from Section 4 - Collection Systems Information for which evaluation criteria were developed	
Disclosure per Annual Report	Reference
Total number of collection facilities – 221	Table 1: Paint and Paint Plus Contracted Collection Sites, 2017 and 2018; and:  Appendix A. Collection Site List by Regional District (as of December 31, 2018)
“As of December 31, 2018, PCA contracted with 221 permanent collection sites in British Columbia to provide convenient locations for consumers to drop off unwanted Program Products, a decrease of one collection sites as compared to 222 collection sites in the prior year.”	
“3 Paint Plus sites were added in 2018, while 2 Paint Plus and 2 paint sites were removed, representing a net decrease of 1 sites from 2017.”	

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 2018, 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.
- One day collection events are excluded from the listing 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**

<p><b>Specific disclosures in the annual stewardship report from Section 6 - Pollution Prevention Hierarchy and Product/Component Management for which evaluation criteria were developed</b></p>	
<p>“Product Care endeavours to manage collected products in accordance with the “pollution prevention hierarchy”. This section details the measures that PCA follows with respect to each product category based on information provided by downstream processors, where available.”</p>	
<p>“The information detailed in this section was verified based on processor questionnaires or site visits of the various processors and the review of final disposition as indicated on hazardous waste manifests as applicable. 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.”</p>	
<p>“Shipment records evidencing the management of program product may include Certificates of Disposal, bills of lading or processor invoices and the review of final disposition as indicated on hazardous waste manifests as applicable. Shipment records evidencing the management of metal and plastic containers may include bills of lading, scale tickets or processor invoices.”</p>	
<p><b>Material: All Paint Excluding Aerosol (Paint Reuse Program)</b></p>	
<p>“Reusable paint is given away at no charge through the Paint Reuse (previously Paint Exchange) program to members of the public and non-profit organizations to be used for its originally intended purpose.”</p>	
<p>“Based on monthly reports provided by collection sites, approximately 2.2% of the total volume of paint collected in 2018 was reused through the Paint Reuse program, down from 2.3% in 2017.”</p>	
<p>“Based on the estimate of paint containers being 75% full and compared against total recovery volumes.”</p>	
<p><b>Material: Latex Paint (Excluding Paint Reuse)</b> End fate: Recycling – 89.9%, Energy Recovery – 10.1%</p>	<p>Table 5: Program Product End Fate (Excluding Paint Reuse) 2018</p>
<p>“Product Care utilizes a number of options for latex (water-based) paint recycling. High grade recyclable water-based paint is reprocessed into paint and coatings products. The lower grade liquid recyclable paint (i.e., paint that is not suitable for paint to paint recycling) is used as a raw material in the manufacturing of concrete products (blocks, barriers, etc.).”</p>	
<p>“According to shipment records, approximately 89.9% of the latex paint sent to downstream processors by the Program in 2018 was recycled utilizing one of the two options listed above.”</p>	
<p>“According to shipment records, 10.1% of the latex paint sent to downstream processors was used as an alternative fuel in 2018.”</p>	
<p><b>Material: Alkyd Paint (Excluding Paint Reuse)</b> End fate: Energy recovery – 100%</p>	<p>Table 5: Program Product End Fate (Excluding Paint Reuse) 2018</p>
<p>“According to shipment records, 100% of the oil-based paint shipped to downstream processors from the consolidation facility in 2018 went to hazardous waste management companies who then sent the paint to permitted/licensed facilities to be used for alternative energy recovery.”</p>	

<b>Material: Flammable Liquids</b> End Fate: Energy recovery – 100%	Table 5: Program Product End Fate (Excluding Paint Reuse) 2018
“According to shipment records, 100% of the flammable liquids shipped from the consolidation facility to downstream processors in 2018 went to a hazardous waste management company who then sent them to permitted/licensed facilities to be used for alternative energy recovery.”	
<b>Material: Pesticides</b> End Fate: None processed in 2018	Table 5: Program Product End Fate (Excluding Paint Reuse) 2018
“None pesticide products were shipped from the consolidation facility to downstream processors in 2018.”	
<b>Material: Gasoline</b> End Fate: Energy recovery – N/A	Table 5: Program Product End Fate (Excluding Paint Reuse) 2018
“According to shipment records, 100% of the gasoline shipped from the consolidation facility to downstream processors in 2018 went to a hazardous waste management company who then sent the gasoline to permitted/licensed facilities to be used for alternative energy recovery.”	
<b>Material: Metal Containers</b> End fate: Recycling – 100%	Table 5: Program Product End Fate (Excluding Paint Reuse) 2018
“Based on shipment records from the consolidation facility, 100% of metal containers processed by the Program in 2018 from paint, flammable liquids, pesticides and gasoline were sent for metal recycling.”	
<b>Material: #2 Plastic Containers (non-gasoline)</b> End fate: Recycling – 90% Energy Recovery – 10%	Table 5: Program Product End Fate (Excluding Paint Reuse) 2018
<b>Material: #2 Plastic Containers (gasoline)</b> End fate: Recycling – 100%	Table 5: Program Product End Fate (Excluding Paint Reuse) 2018
“According to shipment records, 90% of 5 gallon size #2 HDPE plastic paint pails and 100% of gasoline containers shipped from the consolidation facility to downstream processors were recycled in 2018. 10% of the #2 HPDE plastic containers was sent to energy recovery as an alternative energy source in permitted incinerators. Furthermore, plastic containers from pesticides and flammable liquids were sent for plastics recycling.”	
<b>Material: #5 Plastic Containers</b> End Fate: Recycling – 68.7%, Energy recovery – 31.3%	Table 5: Program Product End Fate (Excluding Paint Reuse) 2018
“The Program managed 68.7% of plastic (polypropylene #5) one US gallon size paint cans through recycling and 31.3% through energy recovery due to the limited market demand for recycled polypropylene #5.”	

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.
- Shipments of non-hazardous waste are supported by shipping documents indicating the type and amount of product received.
- Shipments of hazardous waste flow through a multi-step processing environment. Shipments to the primary processor are supported by the applicable government manifest which does not include information on the expected disposition of product by the secondary processor. Shipments from the primary processor to the secondary processor are supported by the applicable government manifest which includes co-mingled materials from other sources and information on the expected disposition as completed by the consignee after receiving the shipment. Sample hazardous waste manifests indicating the expected disposition of products for shipments from the primary to secondary processors were obtained from 3 of the 5 hazardous waste primary processors. Information on expected disposition from the other processors are obtained through processor questionnaires on product management.
- The processors provide information on product management in an annual questionnaire. Questionnaire responses were received from 15 of the 16 processors used by the Program.
- The Association performs periodic site inspections for certain of the non-hazardous waste processors' facilities. Site inspection criteria have been developed to confirm the responses in the questionnaire provided by the primary processor. The initial site inspections for the non-hazardous waste processors were performed in 2015 and 2016 and subsequent site inspections will be performed on a rotating five year schedule.

**Product sold and collected and recovery rate**

<b>Specific disclosures in the annual stewardship report from Section 7 - Product Sold and Collected and Recovery Rate for which evaluation criteria were developed</b>	
<b>Disclosure per Annual Report</b>	<b>Reference</b>
<b>Product Collected</b> Paint (non-aerosol) collected – 2,972,569 Litres  Paint (aerosol) collected – 60,671 Litres  Flammable Liquids/Gasoline collected – 140,123 Litres  Pesticides collected – 15,392 Litres	Table 7: Approximate Total Collected Volumes (residual recovery volume) for Paint, Paint Aerosols, Flammable Liquids and Pesticides (2017 v. 2018)
“Paint residual recovery volume was calculated using a conversion factor of 111.41 litres per tubskid, based on the average volume generated per tubskid over the full year 2018.”	
“Paint aerosol residual recovery volume was calculated using a conversion factor of 40.1 litres per tubskid, based on the average volume generated per tubskid that was processed over the full year 2018.”	
“Flammable Liquids/Gasoline residual recovery volume was calculated using a conversion factor of 171.1 litres per tubskid, based on the average volume generated per tubskid over the full year 2018. This does not include volume from flammable or pesticide aerosols.”	
“Pesticide residual recovery volume was calculated using a conversion factor of 116.6 litres per tubskid, based on the average volume generated per tubskid that was processed over the full year 2019, as no	

pesticides were processed in 2018.”	
<b>Product Sold</b> Paint (non-aerosol) sold – 30,107,703 Litres  Paint (aerosol) sold – 1,103,677 Litres  Flammable Liquids/Gasoline sold – 2,484,540 Litres  Pesticides sold – 138,434 Litres	Table 9 – Approximate Sales, Residual Recovery Volume and Recovery Rates of Paint, Paint Aerosols, Flammable Liquids and Pesticides (2018)
“With regard to gasoline collection, members report the number of gasoline stations, not volumes of gasoline sold. Therefore sales volumes (in litres) for gasoline are not available and are excluded from the flammable liquids/gasoline category. Gasoline collected volumes are included in the residual recovery volumes for flammable liquids, as gasoline and other flammable liquids are processed together, and therefore indistinguishable.”	
“Volumes reported as “Sales (litres)” are estimated by converting units reported to PCA by its members and applying the typical residual container volume for each EHF category.”	
<b>Recovery Rate</b> Recovery rate Paint (non-aerosol) – 9.9%  Recovery rate Paint (aerosol) – 5.5%  Recovery rate Flammable Liquids/Gasoline – 5.6%  Recovery rate Pesticides – 11.1%	Table 9 – Approximate Sales, Residual Recovery Volume and Recovery Rates of Paint, Paint Aerosols, Flammable Liquids and Pesticides (2018)

The following evaluation criteria were applied to the assessment of the description of how total amounts of the producer’s product sold and collected and, if applicable, the producer’s recovery rate has been calculated in accordance with Section 8(2)(e) of the Recycling Regulation:

**Product Collected**

- 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 units collected and the type of program materials collected which has been agreed upon by the shipper, receiver and carrier.
- The calculation of total litres of program materials collected is based on total units collected and converted to litres using the standard volume of containers used to collect the materials and the average litres of program materials collected from each container.

**Product Sold**

- The Association maintains a listing of product sold by product category for the fiscal year which agrees to the amounts disclosed in the Annual Report.
- The units of product sold per program category have been recalculated using the data included in the Association’s audited financial statements. Data not included in the audited financial statements has been agreed to supporting documents and recalculated.
- The calculation of total litres of program material sold is based on total units sold converted to litres based on the average volume of the most popular container sizes sold as provided by the Association’s members.



- Units sold are determined based on self-reporting by each member of the Program. A key source of information in determining the accuracy of units sold and reported to the Program by members is the internal audit process carried out on sales data reported by individual members. The Association has performed 12 internal audits of its 144 members' sales data for the 2018 fiscal year.

#### **Recovery Rate**

- The calculation of the recovery rate is based on the Residual Recovery Volume in litres divided by the sales in litres.
- The calculation of the recovery rate has been performed accurately using the appropriate sources of information for product collected and product sold.

#### **Performance targets**

<p><b>Specific disclosures in the annual stewardship report from Section 9 - Performance Measures for which evaluation criteria were developed</b></p>
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<p>“Following consultations with the BCMOEECS, further plan revisions, and consultations, the final Program Plan submissions was made in 2018. Product Care received Program Plan approval on November 20, 2018. This annual report addresses the performance of the Program in relation to the 2012-2016 Program Plan. Accordingly, Table 11 sets out the key performance measures for 2018, and strategies for performance improvement going forward.”</p>
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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.