

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.

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

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>Part 2, Section 8(2)(a)</p> | <p>Public Education Materials & Strategies</p> | <ul style="list-style-type: none"> • 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. • Regeneration.ca provided consumers with bilingual content about the Program, with a collection site finder, collection site hours and operations, and accepted product lists. • Productcare.org provided service partners and members with content about the program, membership, regulatory documentation, stewardship plans, annual reports, product lists and fee schedules. • Point of sale and point of return materials were available for reorder, free of charge, upon request. • Advertised using indoor print advertising. • Print ads published in 2018 municipal waste and recycling calendars, trade publications, guides and magazines. • Digital advertising: Google search, YouTube, Google display, Facebook, blogs • Direct mail advertising • Participated in community events (e.g. Party for the Planet) • Collaboration through RCBC's Hotline and Recyclepedia. |

| Regulatory Provision | Program Area | Summary of Activities in 2018 |
|--------------------------------|--|--|
| Part 2, section 8(2)(b) | Collection System and Facilities | <ul style="list-style-type: none"> • A decrease of one collection site in 2018, for a total of 221 collection sites as of December 31, 2018. • Of the 221 collection sites, 113 were paint-only and 108 were paint plus collection sites. • Participated in 11 collection events in 2018. • The Program's collection network and collection events provided service to more than 25 First Nations communities. |
| Part 2, section 8(2)(c) | Product Environmental Impact Reduction, Reusability and Recyclability | See Section 5 |
| Part 2, section 8(2)(d) | Pollution Prevention Hierarchy and Product / Component Management | <u>Paint (Latex/Alkyd):</u> <ul style="list-style-type: none"> • Reuse: 2.2% of all paint collected by Product Care was reused through the Paint Reuse program. • 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. • 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. |

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

¹ 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"> • Incineration: No pesticides were processed in 2018. • Recycling: No pesticide containers were processed in 2018. <p><u>Gasoline and containers:</u></p> <ul style="list-style-type: none"> • Energy recovery: 100% of gasoline liquids were sent for energy recovery as an alternative energy source in permitted incinerators. • Recycling: 100% of gasoline containers were recycled. |
| Part 2, section 8(2)(e) | Product Sold and Collected and Recovery Rate | <p><u>Recovery rates:</u></p> <ul style="list-style-type: none"> • Paint, 9.9% • Paint aerosols, 5.5% • Flammable liquids/gasoline, 5.6% • Pesticides, 11.1% |
| Part 2, section 8(2)(e.1) | | See Section 7 for the collection volumes breakdown by regional district. |
| Part 2, section 8(2)(f) | Summary of Deposits, Refunds, Revenues and Expenses | See Appendix C for the audited financial statements for the reporting year. |
| Part 2, section 8(2)(g) | Summary of Program Targets and Performance | 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 |
| Collection System | | |
| Collection Sites | <ul style="list-style-type: none"> • 113 paint collection sites • 108 paint plus collection sites • Total of 221 collection sites | 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 |
| Management of Collected Materials | | |
| Paint Collected (container capacity) | <ul style="list-style-type: none"> • Paint (non-aerosol) collection volume decrease: -6.4% • Paint (aerosol) collection volume increase: 3.9% | Continue to increase Program awareness |
| Flammable Liquids and Pesticides Collected (container capacity) | <ul style="list-style-type: none"> • Flammable Liquids/Gasoline collection volume decrease: -0.8% • Pesticide collection volume decrease: -41.9% | Continue to increase Program awareness |
| Pesticides Collected | • Pesticide collection volume was 15,392 litres. | N/A |

| Key Performance Measures | | |
|--|--|--|
| Program Area | 2018 Performance | Strategies for Improvement |
| Paint Reused | <ul style="list-style-type: none"> • 2.2% of paint collected was reused. | Rebrand Paint Reuse and increase promotion on Paint Reuse |
| Latex (water-based) Paint Recycling | <ul style="list-style-type: none"> • 89.9% of latex paint was recycled. • 10.1% was sent for energy recovery. • 0% was sent to a landfill.² | 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"> • 100% of metal containers (paint , aerosols, flammable liquids etc.) were recycled. • 90% of #2 plastic paint containers were recycled. • 10% of #2 plastic paint containers were used as an alternative energy source in permitted incinerators. | Continue to seek recycling options for #2 paint containers |
| Plastic and Metal Gasoline Container Recycling | <ul style="list-style-type: none"> • 100% of plastic and metal gasoline containers were recycled. | N/A |

² 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.³ 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 |
| Total Permanent | 222 | 221 |

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

| Regional Districts | Number of Collection Site |
|---------------------------|----------------------------------|
| 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 |
| Total | 221 |

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.⁴

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%⁵ of the total volume of paint processed in 2018 was reused through the Paint Reuse program, down from 2.3% in 2017.

⁴ 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.

⁵ 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 records⁶, 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

⁶ 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 ⁷ | Recycling | Energy Recovery | Incineration | Landfill |
|--------------------------------------|------------------------|-----------------|--------------|----------|
| Latex paint | 89.9% | 10.1% | | 0% |
| Alkyd paint | | 100% | | |
| Flammable Liquids | | 100% | | |
| Pesticides | None processed in 2018 | | | |
| Gasoline | | 100% | | |
| Metal Containers | 100% | | | |
| #2 Plastic Containers (non-gasoline) | 90% | 10% | | |
| #2 Plastic Containers (gasoline) | 100% | | | |
| #5 Plastic Containers | 68.7% | 31.3% | | |

⁷ 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.⁸ 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.

⁸ 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 |
| TOTAL | 26079 | 1513 | 819 | 132 | 235 | 28778 |

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) ⁹ | Paint (Aerosol) ¹⁰ | Flammable Liquids/Gasoline ¹¹ | Pesticides ¹² |
|-----------------------------------|----------------------------------|-------------------------------|--|--------------------------|
| 2018 | 2,972,569 | 60,671 | 140,123 | 15,392 |
| 2017 | 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) ¹³ | Paint (non-aerosol) | Paint Aerosol | Flammable Liquids/Gasoline ¹⁴ | Pesticides |
|--|---------------------|---------------|--|------------|
| 2018 | 11,266,126 | 264,775 | 394,933 | 57,024 |
| 2017 | 12,040,704 | 254,756 | 398,190 | 98,172 |
| Variance | -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.

⁹ 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.

¹⁰ 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.

¹¹ 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.

¹² 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.

¹³ 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.

¹⁴ 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) ¹⁵ | Paint (aerosol) ¹⁶ | Flammable Liquids/Gasoline ¹⁸ | Pesticides ¹⁷ |
|--|-----------------------------------|-------------------------------|--|--------------------------|
| Sales (litres)¹⁸ | 30,107,703 | 1,103,677 | 2,484,540 | 138,434 |
| Residual Recovery Volume (litres)^{15,16,17,18} | 2,972,569 | 60,671 | 140,123 | 15,392 |
| Recovery Rate | 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.

¹⁵ 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.

¹⁶ 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.

¹⁷ 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.

¹⁸ 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.

¹⁹ 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

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

Pesticide Category

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

Flammable Liquids Category

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

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

| Key Performance Measures | | |
|--|---|---|
| Program Area | 2018 Performance | Strategies for Improvement |
| Collection System | | |
| Collection Sites | <ul style="list-style-type: none"> • 113 paint collection sites • 108 paint plus collection sites • Total of 221 collection sites | 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 |
| Management of Collected Materials | | |
| Paint Collected | <ul style="list-style-type: none"> • Paint (non-aerosol) collection volume decrease: -6.4% • Paint (aerosol) collection volume increase: 3.9% | Continue to increase Program awareness |
| Flammable Liquids and Pesticides Collected | <ul style="list-style-type: none"> • Flammable Liquids/Gasoline collection volume decrease: -0.8% | Continue to increase Program awareness |

| Key Performance Measures | | |
|--|---|---|
| Program Area | 2018 Performance | Strategies for Improvement |
| | <ul style="list-style-type: none"> • Pesticide collection volume decrease: -41.9% | |
| Pesticides Collected | <ul style="list-style-type: none"> • Pesticide collection volume was 15,392 litres | N/A |
| Paint Reused | <ul style="list-style-type: none"> • 2.2% of paint collected was reused. | 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"> • 89.9% of latex paint was recycled. • 10.1% was sent for energy recovery. • 0% was sent to a landfill. | 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"> • 100% of metal and 90% #2 plastic paint containers were recycled. | 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"> • 100% of plastic and metal gasoline containers were recycled. | 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 |

| Collection Site Name | Regional District | City | Paint ReUse | Paint Plus |
|---|--------------------------|------------------|--------------------|-------------------|
| 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 Westminster (Queensborough) #3056 (Store #82045) | Metro Vancouver | New Westminister | No | No |
| Lowe's Vancouver Grandview #83004 (3704) | Metro Vancouver | Vancouver | No | No |
| New Westminster 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 |

| Collection Site Name | Regional District | City | Paint ReUse | Paint Plus |
|---|----------------------|----------------|-------------|------------|
| 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.

Collection Site Locator

Our collection sites are here to help you recycle your unwanted, leftover and broken products. Make sure to select the category and collection option that best suits your needs.

Select product: Paint

Enter a city or postal code: British Columbia, Canada

Refine distance: 0km, 50km, 100km

There is 1 paint location(s) near you.

1 Kitimat Recycling Depot 77.71 km
314 Railway Avenue
Kitimat, BC, V8C 2G2
Mon - Fri 9:00am - 4:00pm
Sat 11:00am - 4:00pm

Get directions

Map data ©2019 Google, INEGI Terms of I

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!



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



ReGeneration.ca
1-800-667-4321 - Toll Free
604-732-9253 - Lower Mainland



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 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!

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

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.



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 to find your nearest collection site participating in the PaintReuse program.



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



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



- 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



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



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](#)

ReGeneration
Special Waste Recycling by 

[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

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.

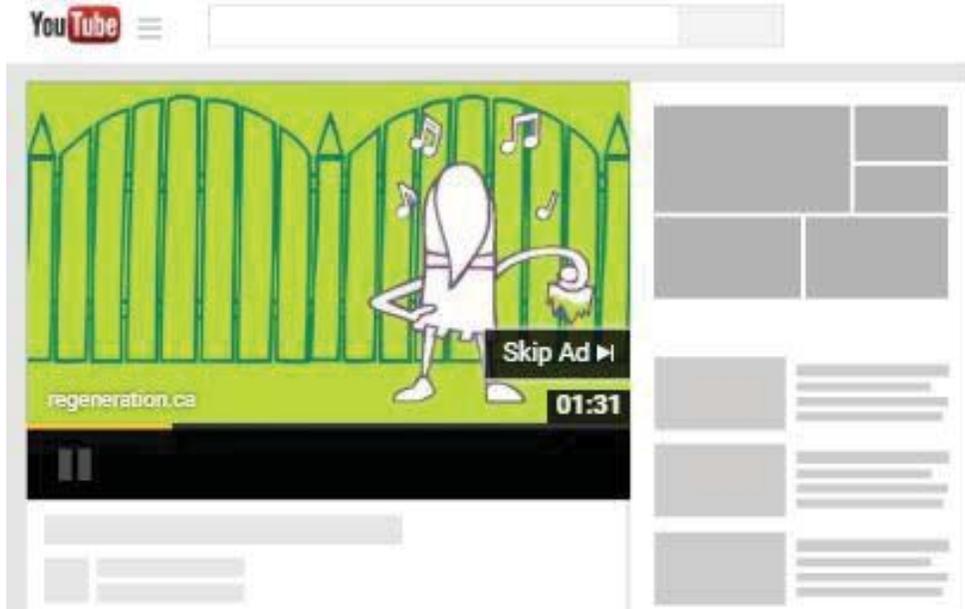
[Recycle Your Paint](#)

[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>



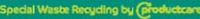
Municipal Calendar Print Advertisement

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.



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.



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



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

productcare

Phone: 604-592-2972
Toll Free: 1.877.592.2972
Email: 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

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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| Statement of Revenues and Expenses | 5 |
| 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

INDEPENDENT AUDITORS' REPORT

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.



INDEPENDENT AUDITORS' REPORT - continued

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.



ROLFE, BENSON LLP

CHARTERED PROFESSIONAL ACCOUNTANTS

INDEPENDENT AUDITORS' REPORT - continued

- 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 |
|---|---------------------|---------------------|
| Revenues | \$ 8,896,118 | \$ 7,582,861 |
| Program expenses | | |
| 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> |
| Excess (deficiency) of revenues over expenses for the year | \$ 1,551,882 | \$ (585,699) |
| Commitment (Note 3) | | |

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

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

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 |
|-----------------|---------------|

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.

**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**

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



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INDEPENDENT REASONABLE ASSURANCE REPORT

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>Specific disclosures in the annual stewardship report from Section 6 - Pollution Prevention Hierarchy and Product/Component Management for which evaluation criteria were developed</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>Material: All Paint Excluding Aerosol (Paint Reuse Program)</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>Material: Latex Paint (Excluding Paint Reuse) 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>Material: Alkyd Paint (Excluding Paint Reuse) 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> | |

| | |
|--|---|
| Material: Flammable Liquids 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.” | |
| Material: Pesticides 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.” | |
| Material: Gasoline 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.” | |
| Material: Metal Containers 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.” | |
| Material: #2 Plastic Containers (non-gasoline) End fate: Recycling – 90% Energy Recovery – 10% | Table 5: Program Product End Fate (Excluding Paint Reuse) 2018 |
| Material: #2 Plastic Containers (gasoline) 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.” | |
| Material: #5 Plastic Containers 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

| Specific disclosures in the annual stewardship report from Section 7 - Product Sold and Collected and Recovery Rate for which evaluation criteria were developed | |
|---|--|
| Disclosure per Annual Report | Reference |
| Product Collected 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.” | |
| Product Sold 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.” | |
| Recovery Rate 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

Specific disclosures in the annual stewardship report from Section 9 - Performance Measures for which evaluation criteria were developed

“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.”

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.