

# CONTAMINATION

Developing Best Practices for Solving Contamination Issues

RECYCLE BC CONSULTATION

NOVEMBER 15 - 16, 2017



RECYCLEBC<sup>TM</sup>

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# WORKSHOP AGENDA - 90 MINUTES

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- Program Results 30 min
  - Definitions
  - 3 Years of Contamination Data
  - Examples
- Collectors Presentation 25 min
  - Tera Grady-Cariboo RD: Lessons learned
  - Tom Madigan-Port Coquitlam: Lessons learned
- Brainstorm Exercise 30 min
  - How do you solve a problem like contamination?
- Wrap Up 5 min

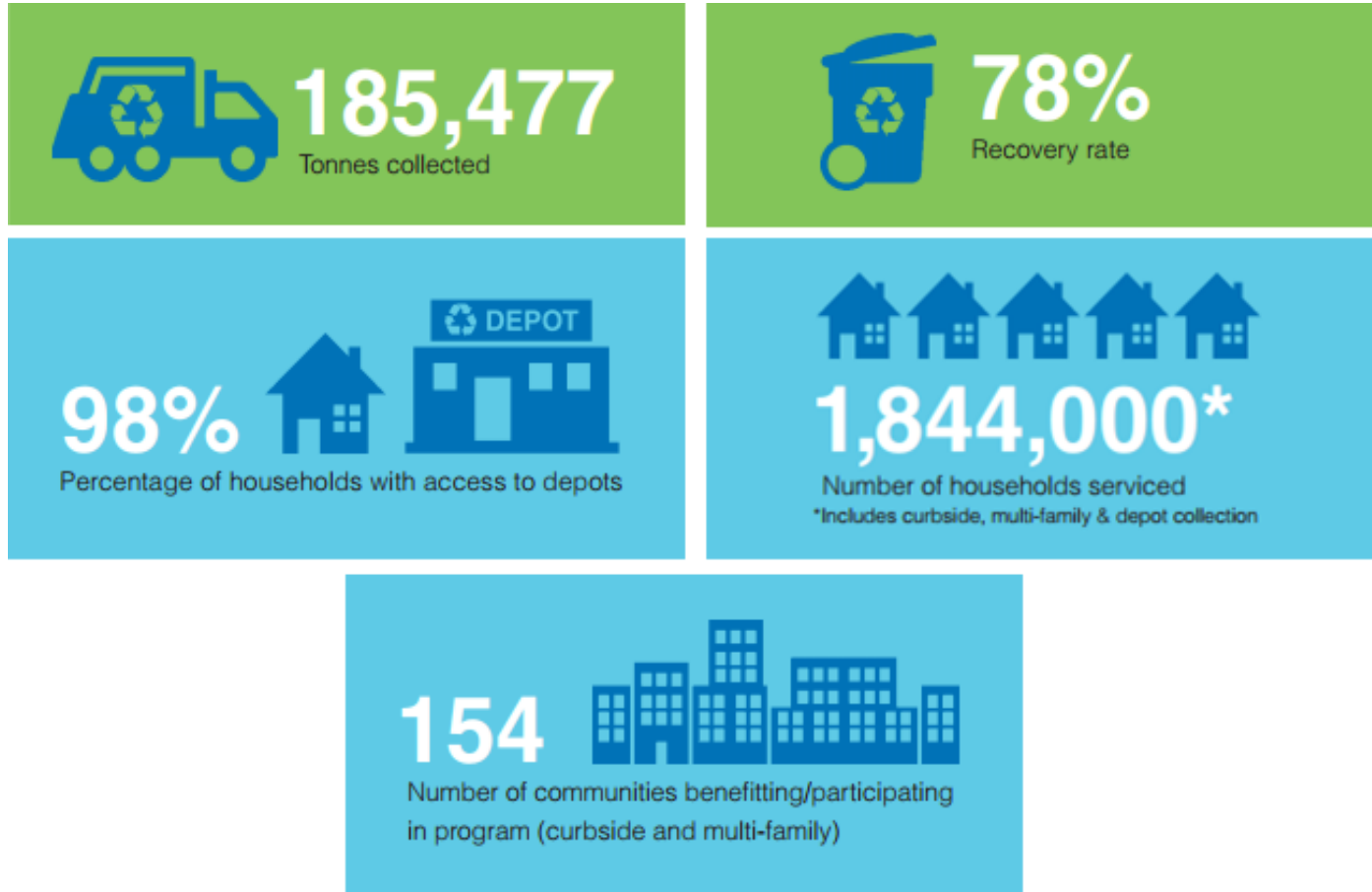


# PROGRAM RESULTS

3 Years of Contamination Data

# MAKING A DIFFERENCE TOGETHER

Getting from Good to Great.



# DEFINITIONS

## Non-Targeted Material Includes:

- Non-Packaging and Printed Paper (Non-PPP)
- Unsortable Material
- Contaminated PPP
- Comingled Glass
- Plastic Bags and Overwrap
- Foam Packaging

## Contamination Rate refers to:

- Non-Packaging and Printed Paper (Non-PPP) is any material that is not In-Scope PPP



# LIVE DATA DEMONSTRATION

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< Collectors: Please refer to your Custom Information Package sent prior to the consultation for your data >



# NON-TARGETED MATERIAL

Hazardous and Non-Hazardous



# PROPANE EXPLOSIONS





# CHILLIWACK RECYCLING PLANT - AUG 2016



<http://www.theprogress.com/news/slideshow-fire-rips-through-chilliwack-recycling-plant/>



# CUMBERLAND TRUCK FIRE - NOV 2017





# THE PROBLEM OF FOAM





# THE PROBLEM OF PLASTIC FILM

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Cariboo RD





# REJECTING LOADS?





# LIVE DATA DEMONSTRATION

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< Collectors: Please refer to your Custom Information Package sent prior to the consultation for your data >

# CHINA'S NATIONAL SWORD 2017



# LIVE DATA DEMONSTRATION

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< Collectors: Please refer to your Custom Information Package sent prior to the consultation for your data >



# CARIBOO REGIONAL DISTRICT

Tera Grady

# Cariboo Regional District Curbside Contamination

*Recycle BC Consultation, 2017*

Anvil Center, New Westminster

Tera Grady, Supervisor of Solid Waste Management



# Overview

- Context
- 108 Mile Ranch Score Card – Operations Plan
- Confirming Contamination
- Informing Residents
- May Audit
- June Meeting
- June Audit
- Results

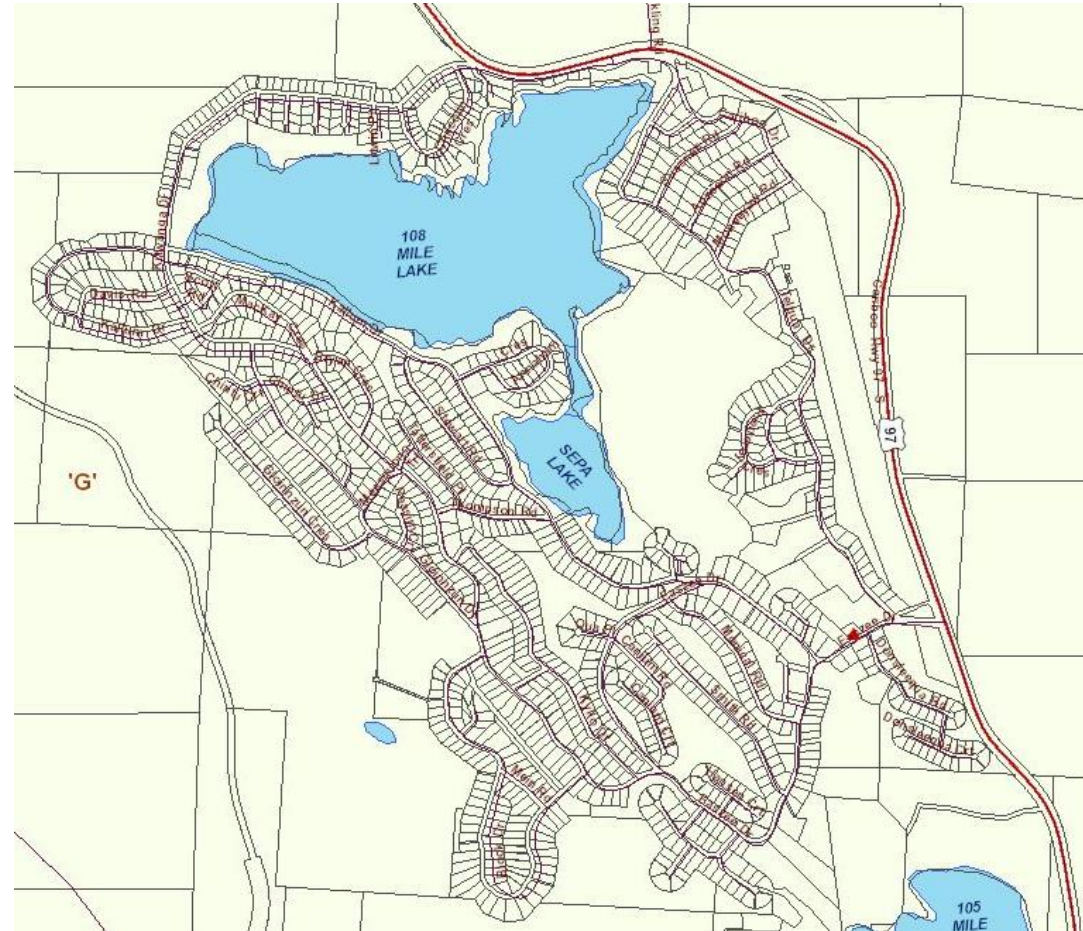
# Context

- The Cariboo RD is over 80,000 square Kilometres
- 63,000 residents, majority live in rural areas
- Four communities within the RD receive Curbside PPP collection



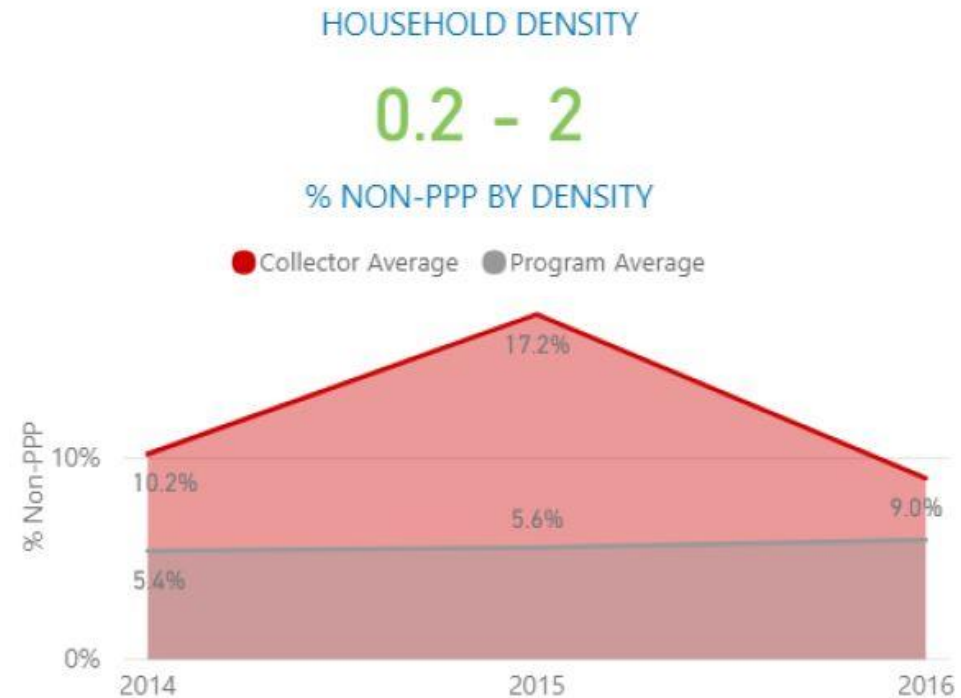
# Context

- The 108 Mile Ranch is a small (1,100 HH) community that was provided with curbside PPP collection in 2014
- Automated totes were selected for single-stream collection

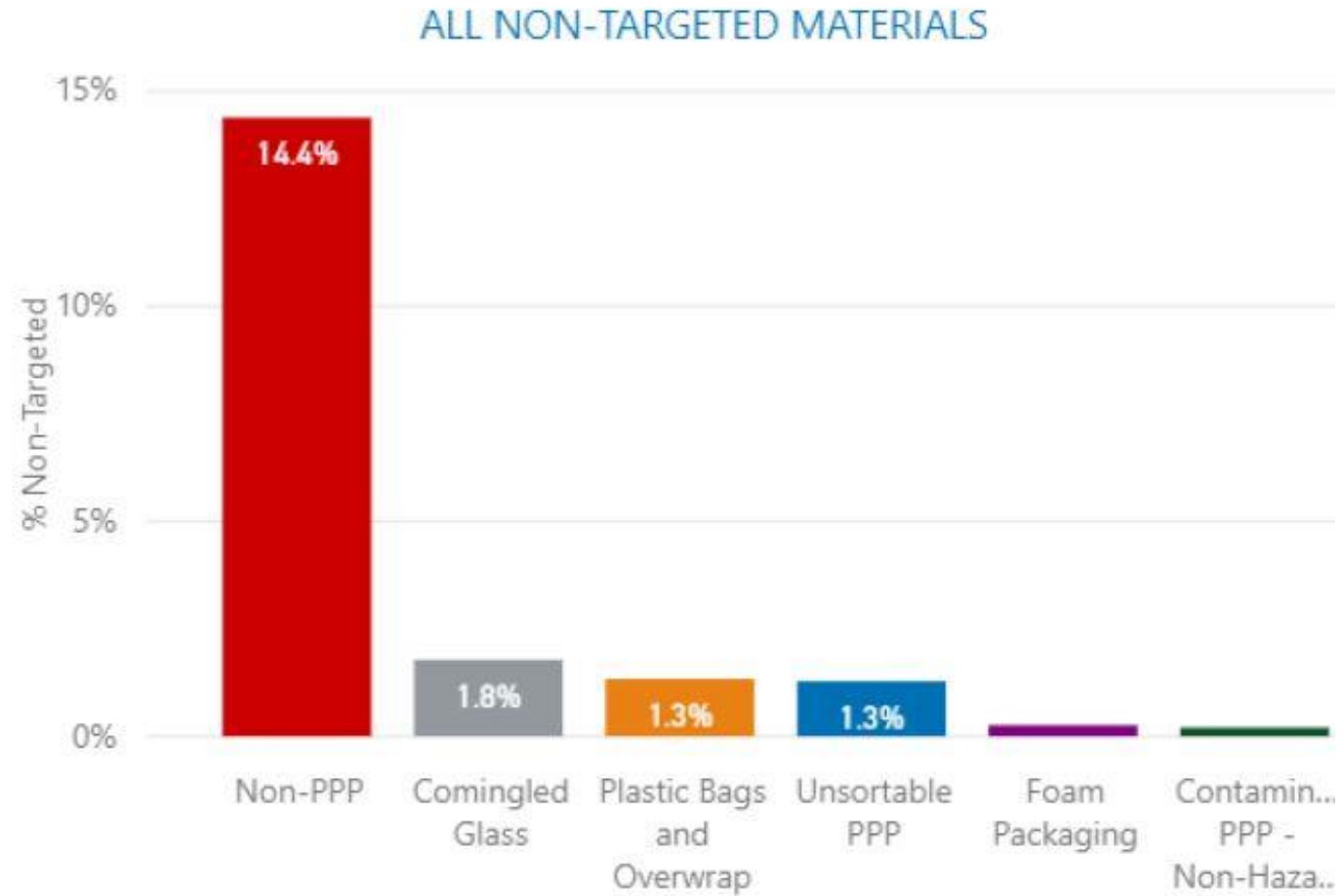


# 108 Mile Ranch Score Card

- In Sept 2016 a Score Card was issued for the 108 Mile Ranch
- The average contamination rate was 10%, but some audits had just under 20%
- An Operations Plan was requested by Recycle BC to outline how contamination would be addressed



# 108 Mile Ranch Score Card






# Confirming Contamination

- In November of 2016 the Cariboo RD:
  - Inspected 108 Mile Ranch totes at the curb
  - Observed the collected PPP as it was delivered to the processor
  - Watched PPP on the conveyor belt to the bailer
- Consistent contamination was easily visible
- Staff concluded that audit results were likely correct and representative

# Informing Residents

- In April of 2017 residents were provided with notice that contamination was an issue and inspections would be occurring



## 2017/2018 Curbside Garbage and Recycling Collection - 108 Mile Ranch


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### Collection Schedule

On the reverse, you will find the 2017/2018 recycling schedule and map. Garbage pick-up will occur every Wednesday or Thursday depending on your location as shown on the map. Recycling pick-up will occur every other Wednesday or Thursday starting May 3, 2017. Please note statutory holidays do not affect any recycling or garbage pick-up days.

### Thank-You


Thank you for participating in the 108 Mile Ranch curbside recycling collection program. In 2016, 108 Mile Ranch residents diverted almost 90 tonnes of packaging and printed paper products from the landfill! This diversion helps extend the life of our regional landfill in 100 Mile House; reduce methane gas production in the landfill; and conserves the plastic, metal and fiber resources that are used to make products.



The Cariboo Cares  
REDUCE . REUSE . RECYCLE

### Keep Out Contamination

## UNACCEPTED MATERIALS



In 2016, we measured **20 percent contamination** in the 108 Mile Ranch curbside recycling! This puts the recycling program in jeopardy and all residents need to do their part to reduce contamination.


The following are the contamination materials we find most frequently. **Keep these out of your curbside recycling.**

- **Plastic bags** of any kind – never place recyclables inside plastic bags!
- Any **glass** items – glass is dangerous to workers, embeds in other materials and degrades our recyclables.
- **Styrofoam** and **foam packaging** – these items break apart and contaminate all other recyclables.
- Plastic toys, rubber balls, Rubbermaid containers and Tupperware – none of these are accepted **even if they have a recycling symbol**.
- Shoes, appliances, electronics, batteries, frying pans, utensils, scrap metal and wood – none of these are accepted items.

Go to [cariboord.ca](http://cariboord.ca) for more information on the packaging and printed paper products that can go into your recycling tote. Email [talktrash@cariboord.ca](mailto:talktrash@cariboord.ca) with questions. Due to contamination levels the CRD will be inspecting recycling totes on random collection days. If contamination is found your recycling will not be collected.

### Curbside Instructions

1. **Have your totes at the curb by 7 a.m. on recycling days, they may need to be left out until 5 p.m.**
2. **Place your totes at least four (4) feet apart, or on either side of your driveway, and on level ground away from vehicles and other obstacles.**
3. **Place your totes so that the lid opens towards the street.**
4. **Ensure tote lids are closed.**
5. **Place all items inside the totes.**



250-392-3351 or 1-800-665-1636  
Suite D, 180 North Third Ave, Williams Lake

[cariboord.ca](http://cariboord.ca)  
[facebook.com/caribooregion](https://facebook.com/caribooregion)

# Informing Residents



## 108 Mile Ranch Recycling Collection in Jeopardy!

We need your help to reduce recycling contamination.

### UNACCEPTED MATERIALS



**DID YOU KNOW?**

The Cariboo Regional District (CRD) has entered into a contract with Recycle BC to collect packaging and printed paper (PPP) from the 108 Mile Ranch (108). Under the Recycle BC program, consumers pay for PPP recycling rather than taxpayers, which means Recycle BC reimburses the CRD for the cost of the 108's curbside recycling collection.

Recycle BC's contract stipulates that the recyclables from the 108 must have less than 3% (by weight) contamination or the CRD will be fined.

In 2016, the CONTAMINATION level for the 108 collection was a whopping 20% by weight, making the program non-compliant with the contract. Before receiving fines, though, the CRD has an opportunity to reduce the contamination levels in 2017.

This spring, the CRD will randomly audit curbside recycling totes in the 108 before collection. Totes with visible contamination will not be collected and information will be left explaining why.

On June 7, 2017, the CRD will host a community meeting and workshop for the curbside recycling program.

We need your help to reduce recycling contamination in the 108! The CRD is looking for "Cariboo Cares Ambassadors" to help inspect recycling totes in the 108. For more information, email [talktrash@cariboord.ca](mailto:talktrash@cariboord.ca) with "Cariboo Cares Ambassador" in the subject line.

**NOT ACCEPTED Do NOT place in totes.**

 Plastic bags & overwrap	 Hazardous waste	 Glass	
 Electronics and appliances	 Toys and games	 Hangers, pots, pans and other scrap metal	
 Foil packaging	 Wiring, metal cords, hardware	 Clothing textiles and shoes	

Chip or foil bags, candy wrappers  
 Stand up pouches  
 Packaging labeled biodegradable or compostable  
 Food and yard waste



**PUBLIC MEETING/WORKSHOP**  
**Wednesday - June 7th @ 6pm**  
**108 Community Hall**  
**(4924 Telqua Dr)**

250-392-3351 or 1-800-665-1636  
Suite D, 180 North Third Ave, Williams Lake

**cariboord.ca**  
[facebook.com/caribooregion](https://facebook.com/caribooregion)

- In May of 2017 residents were informed of inspections and invited to attend a public meeting/workshop in June.

# May Audits

- Audit teams inspected totes at the curb
- Totes that were badly contaminated were returned non-collected
- Totes with some contamination were left, but tagged with removable “OOPS” tags



**OOPS! RECYCLING REMINDER**

THE FOLLOWING CONTAMINATION WAS IN YOUR RECYCLING TODAY:

- GLASS
- FOAM PACKAGING (Styrofoam)
- PLASTIC BAGS, PLASTIC FILM
- OTHER \_\_\_\_\_

**Next time your tote will not be collected.**

**Please attend the CRD's Recycling Meeting on Wed. June 7 at 6 pm at the 108 Community Hall and enter to win a Samsung tablet!**

Questions?  
Contact the CRD  
Call: 1-800-665-1636  
Email: [talktrash@cariboord.ca](mailto:talktrash@cariboord.ca)  
Web: [cariboord.ca](http://cariboord.ca)



# June 7<sup>th</sup> Meeting

- On June 7<sup>th</sup> a public meeting/workshop was held
- Over 120 residents attended
- An hour long presentation was given on
  - Why audits were happening
  - Who Recycle BC is and why they make the rules
  - Packaging vs products
  - Audit results to date
  - Why plastic bags, polystyrene foam and glass are not accepted
  - What “unsortable” means
- Three workshop tables displayed the following types of items:
  1. Accepted PPP (aerosols, tin pie plates, plant pots, foil lids)
  2. Non-Accepted PPP (chip bags and candy wrappers, zipper loc bags)
  3. PPP accepted at Depots only (plastic bags, foam trays and glass)



# June 7<sup>th</sup> Meeting – Presentation Slides

## WHY CAN'T ALL PLASTICS BE INCLUDED?

- YES



PACKAGING

- NO
















PRODUCT

# June 7<sup>th</sup> Meeting – Presentation Slides

## WHY CAN'T ALL PLASTICS BE INCLUDED?

These are “Resin Identification Codes”, not “Recycling” codes.

They are stamped on items to identify the type of plastic items are made from.

Image ⇅	Alternate image #1 ⇅	Alternate image #2 ⇅	Abbreviation ⇅	Polymer name ⇅
			PETE or PET	Polyethylene terephthalate
			HDPE or PE-HD	High-density polyethylene
			PVC or V	Polyvinyl chloride
			LDPE or PE-LD	Low-density polyethylene
			PP	Polypropylene
			PS	Polystyrene
			OTHER or O	Other plastics, such as acrylic, nylon, polycarbonate, and polylactic acid (a bioplastic), and multilayer combinations of different plastics

# June 7<sup>th</sup> Meeting – Presentation Slides

## PLASTIC BAGS AND FILM 54%



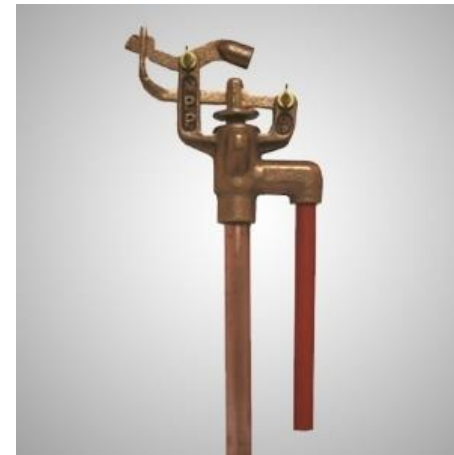


# June 7<sup>th</sup> Meeting – Presentation Slides

## PRODUCTS 18%



wiseGEEK



# June 7<sup>th</sup> Meeting – Presentation Slides

## Unsortables 12%

- Minimal people are on the line at the sorting facility, the rest is all mechanized. The equipment can not separate unsortables, and the people can not divert it all.



# Customized Recycling Guide

### Cariboo Regional District Curbside Recycling Guide 108 Mile Ranch

Included Items	Description	But Don't Include
<b>Spiral wound cans &amp; metal lids</b>	Cans for: <ul style="list-style-type: none"> <li>Frozen juice concentrate</li> <li>Potato chips, nuts</li> <li>Cookie dough</li> <li>Coffee</li> <li>Baby formula, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Attached lids (remove lids and recycle loose in recycle tote)</li> </ul>
<b>Aluminum cans &amp; lids</b>	Cans for: <ul style="list-style-type: none"> <li>Food, e.g., seafood</li> <li>Pet food, etc.</li> </ul> Put metal lid inside can and squeeze slightly.	<ul style="list-style-type: none"> <li>Propane tanks or 1 lb. propane bottles (take to the Lac La Hache Transfer Station or Gold Trail)</li> <li>Deposit cans (return for deposit refund)</li> <li>Dirty cans (rinse first)</li> </ul>
<b>Steel cans &amp; lids</b>	Cans and lids for: <ul style="list-style-type: none"> <li>Food, including pet food</li> <li>Tins for cookies, tea, chocolates, etc.</li> </ul> Labels are OK.	<ul style="list-style-type: none"> <li>Dirty cans (rinse first)</li> <li>Deposit steel beverage cans (return for deposit refund)</li> <li>Steel paint cans</li> <li>Pots, pans and baking trays</li> <li>Propane cylinders</li> <li>Metal toys</li> <li>Appliances</li> <li>Cook hangers, metal hardware or other scrap metal</li> <li>Wiring or metal cords, extension cords</li> </ul>
<b>Aluminum foil &amp; foil take-out containers</b>	Foil packaging including: <ul style="list-style-type: none"> <li>Wing (aluminum foil)</li> <li>Take-out, pie and food tray containers</li> </ul>	<ul style="list-style-type: none"> <li>Chip or foil bags</li> <li>Foil wrap with paper backing for butter, cigarettes, etc.</li> <li>Foil-lined cardboard take-out containers or lids</li> <li>Dirty items (rinse first)</li> </ul>
<b>Plastic garden pots &amp; trays</b>	<ul style="list-style-type: none"> <li>Bedding plants</li> <li>Seedlings</li> <li>Vegetable plants, etc.</li> </ul> Remove soil.	<ul style="list-style-type: none"> <li>Ceramic plant pots</li> <li>Lawn edging</li> <li>Trips</li> <li>Plastic furniture or toys</li> <li>Garden hoses</li> <li>Plastic string or rope</li> </ul>

Place recyclables loose into curbside totes. Do not stack or stuff recyclables inside of other recyclables or inside plastic bags. Once recyclables are baled, it is difficult to separate items if they have been placed inside of each other. Plastic bags are not allowed in the curbside recycling program. The exception to this rule is the use of **clear plastic bags** to contain shredded paper.

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### Cariboo Regional District Curbside Recycling Guide 108 Mile Ranch

Recycle your old electronics, small appliances, lightbulbs, batteries, power tools, motor oil, appliances, scrap metal, paint/paint cans, and more at Gold Trail Recycling - 694 Solloves Crescent in 100 Mile House

Included Items	Description	But Don't Include
<b>Plastic trays &amp; tops</b>	Trays and tops for: <ul style="list-style-type: none"> <li>Deer chicken, single serve meats, prepared foods, and baked goods</li> <li>Housewares and hardware, e.g. screws, picture hangers, etc.</li> </ul> Containers are clear or have black bottom trays with clear domes.	<ul style="list-style-type: none"> <li>White, black or colour foam trays (take to recycling depot)</li> <li>Soft plastic packaging (film) for perishable foods, e.g. meat, poultry, fish or cheese, etc.</li> <li>Plastic/roll packaging for items like chewing gum and pills</li> <li>Dirty items (rinse first)</li> </ul>
<b>Plastic tubs &amp; lids</b>	Tubs for: <ul style="list-style-type: none"> <li>Margarine and spreads</li> <li>Yogurt, cottage cheese, sour cream, ice cream, etc.</li> </ul> Dirty cans (rinse first)	<ul style="list-style-type: none"> <li>Packaging labelled biodegradable or compostable</li> <li>Plastic or foil lids from coffee and tea pods</li> <li>Coffee grounds (compost)</li> <li>Dirty items (rinse first)</li> </ul>
<b>Plastic cold drink cups with lids</b>	Take out cups for: <ul style="list-style-type: none"> <li>All types of beverages</li> </ul> Remove lids and recycle loose in recycling tote.	<ul style="list-style-type: none"> <li>Foam cups</li> <li>Plastic packaging labelled biodegradable or compostable</li> <li>Napkins</li> <li>Straws</li> <li>Dirty items (rinse first)</li> </ul>
<b>Plastic pails</b>	Pails smaller than 20L for: <ul style="list-style-type: none"> <li>Laundry detergent</li> <li>Ice cream</li> <li>Pet food, etc.</li> </ul> Remove lids and recycle loose in recycling tote.	<ul style="list-style-type: none"> <li>Plastic paint cans</li> <li>Plastic pails larger than 20L</li> <li>Pails for lubricants and oils</li> </ul>
<b>Microwavable bowls &amp; cups</b>	For soups and entrees. Remove lids and recycle loose in recycling tote.	<ul style="list-style-type: none"> <li>Bowls with metal rims</li> <li>Napkins</li> <li>Cutlery</li> </ul>

Please keep these items out of your curbside recycling:

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### Cariboo Regional District Curbside Recycling Guide 108 Mile Ranch

Included Items	Description	But Don't Include
<b>Plastic bottles &amp; caps</b>	Bottles and caps for: <ul style="list-style-type: none"> <li>Mouthwash, shampoo, conditioners etc.</li> <li>Food</li> <li>Pills and vitamins</li> <li>Dish soap, laundry products, household cleaners, auto cleaners, e.g. glass cleaner, windshield washer fluid, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Deposit beverage bottles (return for deposit refund)</li> <li>Stand up pouches</li> <li>Containers for motor oil, vehicle lubricant, or antifreeze products (recycle at bulk plant - 380 Sandler Road, or at Gold Trail Recycling)</li> <li>Containers contents (rinse first)</li> <li>Caps or spray pumps attached to containers (remove and recycle loose in recycling tote)</li> </ul>
<b>Plastic jars &amp; lids</b>	Plastic jars and lids for: <ul style="list-style-type: none"> <li>Peanut butter, jam, nuts, condiments</li> <li>Vitamins and supplements</li> <li>Personal care products and cosmetics</li> <li>Pharmaceuticals, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Dirty jars (rinse first)</li> <li>Attached lids (remove and recycle loose in recycling tote)</li> </ul>
<b>Plastic jugs with screw tops</b>	Jugs and lids for: <ul style="list-style-type: none"> <li>Milk, cooking oil</li> <li>Laundry detergent, fabric softener, cleaning solutions, and cleaning products</li> <li>Body care products</li> <li>Windshield washer fluid, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Deposit jugs for flavored tea, juice, and other beverages (return for deposit refund)</li> <li>Dirty jugs (rinse first)</li> </ul> Deposit beverage containers <u>will</u> be recycled if included in curbside totes, but the deposit will not be claimed. Please consider donating your containers if you don't want the deposit.
<b>Plastic clamshells</b>	Clamshells for: <ul style="list-style-type: none"> <li>Baked goods</li> <li>Fruit and produce</li> <li>Eggs, etc.</li> </ul> Labels are OK.	<ul style="list-style-type: none"> <li>Packaging labelled biodegradable or compostable</li> <li>Liquid-absorbing pads</li> <li>Dirty clamshells (rinse first)</li> </ul>

Please use this guide as a reference for your recycling

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### Cariboo Regional District Curbside Recycling Guide 108 Mile Ranch

Included Items	Description	But Don't Include
<b>Flyers &amp; newspapers</b>	<ul style="list-style-type: none"> <li>Daily and community newspapers and advertising flyers</li> </ul>	<ul style="list-style-type: none"> <li>Plastic bags used to cover newspapers/flyers</li> <li>Rubber bands</li> <li>Nylon banding</li> </ul>
<b>Magazines &amp; catalogues</b>	All types	
<b>Telephone books</b>	Phone books and directories	Handover or paperback books (donate or sell)
<b>Paper gift wrap &amp; greeting cards</b>	All types	<ul style="list-style-type: none"> <li>Non-paper gift wrap (i.e. foil wrap)</li> <li>Ribbons or bows</li> <li>Musical greeting cards with batteries</li> </ul>
<b>Writing/home office paper &amp; correspondence</b>	<ul style="list-style-type: none"> <li>Note pads</li> <li>Loose leaf paper</li> <li>White or coloured computer, copier and printer paper</li> <li>Printed paper</li> <li>Plain and window envelopes</li> <li>Shredded paper</li> </ul> Contains shredder paper inside a paper bag or box (premier), or a clear plastic bag may be used.	<ul style="list-style-type: none"> <li>Padded envelopes</li> </ul>

The 108 curbside recycling service is funded by Recycle BC. Recycle BC is a non-profit stewardship agency that represents the producers of packaging and printed paper in BC. The Recycle BC program therefore only accepts **PACKAGING and PRINTED PAPER**. "Packaging" includes vast variety of plastic, metal and paper items as described in this guide, but does not include products or other non-packaging items such as scrap metal, batteries, toys, shoes, clothing, hoses, wood, pet waste, food, electronics, Rubbermaid items, ceramics, kitchen utensils, infant car seats, etc.

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### Cariboo Regional District Curbside Recycling Guide 108 Mile Ranch

Recycle your Plastic Bags/Film, Styrofoam, Glass and Deposit Beverage Containers at Gold Trail Recycling or the "La La Hache Transfer Station"

\*Deposit drop box at 108 transfer station for beverage containers, no deposit refund provided

Included Items	Description	But Don't Include
<b>Corrugated cardboard boxes</b>	<ul style="list-style-type: none"> <li>Shipping boxes</li> <li>Grocery and liquor store boxes</li> <li>Pizza boxes</li> </ul> Staples and tape are OK, make sure boxes are empty.	<ul style="list-style-type: none"> <li>Cardboard boxes with wax coating, e.g. empty produce shipping boxes made available for residents to transport their groceries home</li> </ul>
<b>Cardboard &amp; boxboard</b>	<ul style="list-style-type: none"> <li>Boxes for cereal, shoes, tissues, pizza, frozen entrees, detergent, etc.</li> <li>Carrier trays for bulk bottled water, soft drinks, cans, food, etc.</li> <li>Covers for paper towel and toilet tissues</li> </ul>	<ul style="list-style-type: none"> <li>Paper towels or napkins</li> <li>Tissues</li> <li>Food waste</li> <li>Linear bags</li> </ul>
<b>Moulded boxboard packaging</b>	<ul style="list-style-type: none"> <li>Egg cartons</li> <li>Take-out beverage trays</li> <li>Empty paper based garden pots, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Do not put recyclables inside boxes at other containers - when boxes or other containers are baled with recyclables inside them, they cannot be, or are very difficult to separate at the sorting facility.</li> <li>Dirt in garden pots</li> </ul>
<b>Paper bags (kraft paper)</b>	Any colour, including: <ul style="list-style-type: none"> <li>Brown grocery sacks</li> <li>White prescription bags</li> <li>Brown envelopes</li> </ul>	<ul style="list-style-type: none"> <li>Padded envelopes</li> <li>Foil lined bags, e.g. packaged cookies</li> </ul>
<b>Multi-layer paper bags</b>	Multi-layered bags for: <ul style="list-style-type: none"> <li>Pet food</li> <li>Flour</li> <li>Sugar, etc.</li> </ul> If all the layers of the bag can be torn, it is acceptable.	<ul style="list-style-type: none"> <li>Bags with a foil layer</li> </ul>

Glass, Foam Packaging (Styrofoam), and Plastic Bags/Film are strictly prohibited from disposal in curbside recycling totes. Glass and foam packaging break apart inside the collection truck and during baling. Glass shards and foam pieces stick to other recyclables and degrade their quality. Plastic bags and film wrap around gears and rollers in the sorting facility or act similarly to paper during the sorting process and degrade the paper recyclables. "Plastic film" includes soft plastic wrap used to package items like paper towels, napkins and toilet paper; or flats of juice, water and pigs; or pizzas (to contain the toppings).

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### Cariboo Regional District Curbside Recycling Guide 108 Mile Ranch

Included Items	Description	But Don't Include
<b>Paper cups</b>	<ul style="list-style-type: none"> <li>Hot and cold beverage cups</li> </ul> Remove lids and paper sleeves, recycle these items loose in recycling tote.	<ul style="list-style-type: none"> <li>Straws</li> <li>Liquid beverage (empty first)</li> <li>Dirty cups (rinse first)</li> </ul>
<b>Gable-top cartons</b>	Cartons for Milk and: <ul style="list-style-type: none"> <li>Milk-type beverages</li> <li>Cream</li> <li>Egg substitute</li> <li>Sugar</li> <li>Molasses, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Deposit juice cartons (return for deposit refund)</li> <li>Attached plastic screw lids (remove first and recycle loose in recycling tote)</li> <li>Dirty cartons (rinse first)</li> </ul>
<b>Aseptic boxes or cartons</b>	Cartons for Milk and: <ul style="list-style-type: none"> <li>Milk-type beverages</li> <li>Cream</li> <li>Soup</li> <li>Broth</li> <li>Sauces, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Deposit juice cartons (return for deposit refund)</li> <li>Straws</li> <li>Stand up pouches</li> <li>Attached plastic screw lids (remove first and recycle loose in recycling tote)</li> <li>Dirty cartons (rinse first)</li> <li>Dirty containers (rinse first)</li> </ul>
<b>Frozen dessert boxes</b>	Containers for: <ul style="list-style-type: none"> <li>Ice cream</li> <li>Frozen yogurt, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Dirty containers (rinse first)</li> </ul>
<b>Empty aerosol cans</b>	Cans for: <ul style="list-style-type: none"> <li>Food</li> <li>Air fresheners</li> <li>Shaving cream</li> <li>Deodorant</li> <li>Hairpray, etc.</li> </ul> Remove caps and recycle loose in recycling tote.	<ul style="list-style-type: none"> <li>Spray paint cans</li> <li>Aerosol cans with any contents remaining</li> <li>Propane cylinders</li> <li>Attached caps, (remove caps and recycle loose in recycling tote)</li> <li>Any contents, <u>except</u> caps etc.</li> </ul>

Confused? We know this program is not simple, but we are here to help! Call the Environmental Services Department at the CRD at the number below, or call the Recycling Council of BC hotline at 1-800-667-4321.

**Cariboo Cares** **RECYCLE BC**

250-392-3351 or 1-800-665-1636  
cariboo.bc.ca facebook.com/caribooRegion



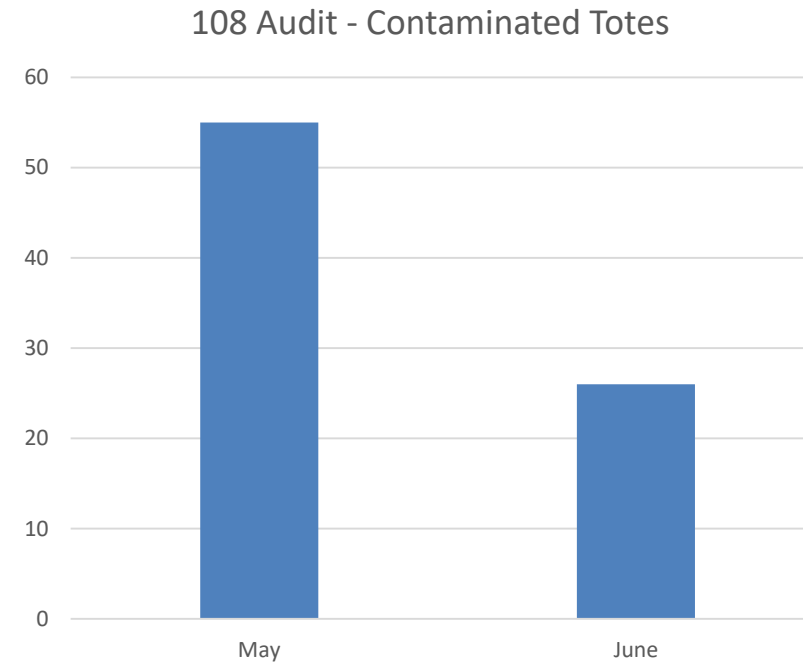
# June Audits

- Audit teams inspected totes at the curb
- Contaminated totes were returned non-collected
- Minor contamination was left a removable “OOPS” tag
- Good totes were tagged with gold star stickers



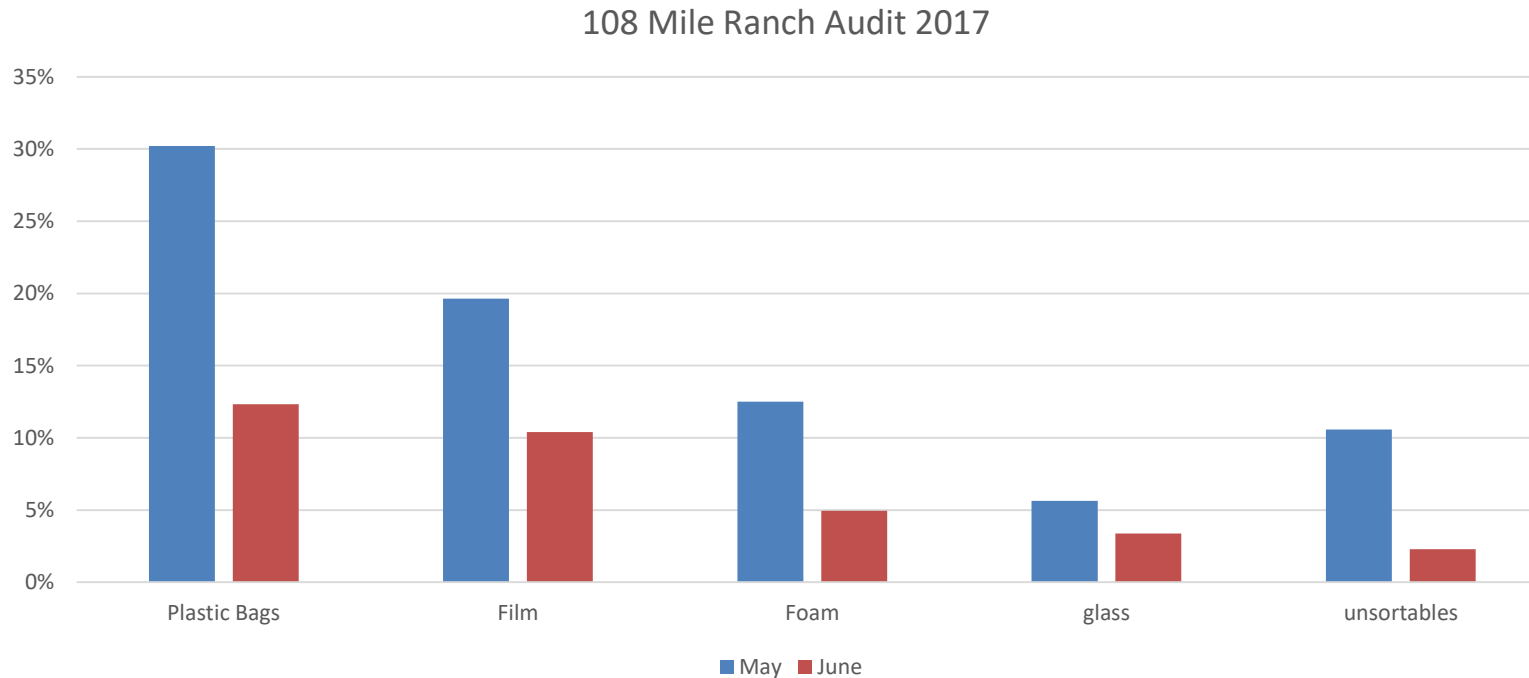
# Results

- In May 55% of inspected totes had contamination
- In June 26% of inspected totes had contamination



# Results

- All categories of contamination were reduced.



# Results

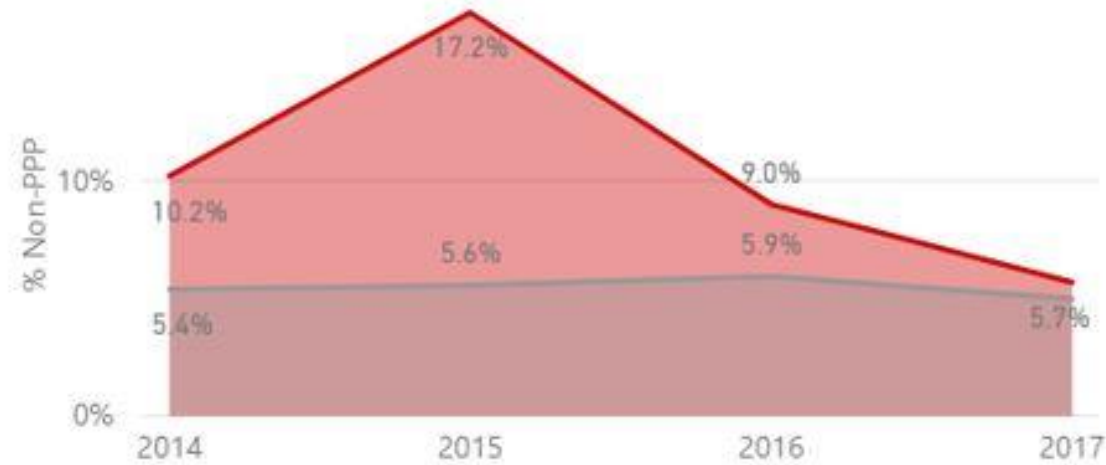
- A Recycle BC Audit in October confirmed the results.

HOUSEHOLD DENSITY

0.2 - 2

% NON-PPP BY DENSITY

● Collector Average ● Program Average





# PORT COQUITLAM

Tom Madigan

# Contamination Reduction Strategies





# Recycling is HARD





OTHER?



Is this you?

**Sort it  
Right!**

# Recycling vs Curbside Recycling



## Diversion vs Convenience











Non-PPP (i.e. SOW Contamination)																																		
Hard and Softcover Books	Multi-Laminated Paper Pkg	Multi-Laminated Plastic	Waxed Corrugated	Ceramics, Non Packaging Glass	Scrap Metal	Electronics	Wood	Not Accepted PPP	Residue / Garbage (Non-Hazardous)	Contaminated PPP - Hazardous	Non-PPP Hazardous	Total Non-PPP	Plastic Film	Plastic Foam	Category 8 Glass	Beverage Glass	Total Glass	Contaminated PPP - Non-Hazardous	Unsortable PPP	Not Accepted PPP	Total Non-Targeted Material													
1.93%	0.25%	0.53%	0.00%	0.01%	0.85%	1.11%	0.39%	0.20%	10.91%	0.02%	0.02%	16.21%	0.71%	0.19%	0.43%	0.29%	0.71%	0.07%	2.95%	0.00%	20.85%													
1.44%	0.18%	0.35%	0.00%	0.00%	1.81%	0.46%	0.45%	0.41%	13.69%	0.02%	0.00%	18.81%	0.84%	0.29%	0.04%	0.00%	0.04%	0.34%	2.41%	0.00%	22.74%													
2.67%	0.01%	0.46%	0.20%	0.00%	0.96%	0.15%	0.03%	0.39%	8.89%	0.00%	0.00%	13.77%	1.45%	0.19%	0.88%	0.33%	1.21%	0.33%	1.26%	0.00%	18.20%													
0.00%	0.21%	0.52%	0.00%	0.00%	2.06%	0.00%	5.91%	0.34%	17.95%	0.00%	0.11%	27.10%	1.24%	0.06%	1.02%	1.08%	2.09%	0.77%	2.06%	0.00%	33.32%													
0.34%	0.15%	0.90%	0.00%	0.00%	1.38%	0.00%	0.08%	0.17%	7.43%	0.00%	0.00%	10.46%	1.47%	0.14%	1.27%	1.57%	2.84%	1.47%	1.80%	0.00%	18.18%													
2.82%	0.11%	0.59%	0.00%	0.00%	0.19%	0.17%	0.00%	0.07%	5.46%	0.00%	0.08%	9.48%	0.93%	0.12%	0.29%	0.51%	0.80%	0.09%	3.49%	0.00%	14.90%													
1.90%	0.38%	0.80%	0.00%	0.01%	0.28%	0.00%	0.09%	0.25%	4.06%	0.00%	0.03%	7.80%	1.34%	0.12%	1.14%	0.00%	1.14%	0.73%	2.87%	0.00%	14.00%													
4.84%	0.16%	0.76%	1.14%	0.00%	0.65%	0.42%	0.21%	0.17%	7.18%	0.01%	0.01%	15.56%	0.96%	0.37%	0.26%	0.00%	0.26%	0.23%	3.86%	0.00%	21.23%													
0.68%	0.21%	0.55%	0.00%	0.00%	0.48%	1.75%	0.00%	0.19%	8.39%	0.00%	0.02%	12.25%	2.24%	0.15%	0.32%	0.00%	0.32%	0.07%	0.69%	0.00%	15.72%													
1.32%	0.03%	0.41%	0.00%	0.23%	1.07%	2.00%	0.27%	0.10%	2.99%	0.00%	0.00%	8.41%	0.30%	0.18%	1.56%	0.00%	1.56%	0.31%	4.36%	0.00%	15.12%													
0.98%	0.09%	0.78%	0.00%	0.00%	0.27%	0.00%	0.13%	0.09%	8.16%	0.00%	0.09%	10.58%	1.10%	0.39%	0.91%	0.29%	1.19%	0.61%	1.41%	0.00%	15.29%													
5.83%	0.05%	0.61%	0.00%	0.00%	0.36%	0.00%	0.05%	0.06%	8.73%	0.00%	0.10%	15.79%	0.97%	0.25%	0.51%	0.64%	1.15%	0.85%	8.19%	0.00%	27.19%													
1.01%	0.14%	0.65%	0.00%	0.07%	0.71%	2.71%	1.12%	0.64%	16.11%	0.00%	0.00%	23.16%	0.61%	0.16%	0.27%	0.00%	0.27%	0.23%	1.82%	0.00%	26.24%													
1.05%	0.34%	0.57%	0.00%	0.00%	3.25%	0.96%	0.00%	0.15%	9.92%	0.00%	0.06%	16.31%	1.59%	0.44%	0.66%	0.21%	0.87%	0.23%	1.62%	0.00%	21.06%													
0.20%	0.18%	0.60%	0.00%	0.00%	0.02%	0.00%	0.02%	0.12%	6.62%	0.00%	0.02%	7.78%	1.30%	0.13%	0.43%	0.00%	0.43%	1.06%	1.50%	0.00%	12.21%													
0.00%	0.06%	0.70%	0.00%	0.00%	0.80%	0.00%	0.04%	0.21%	7.28%	0.00%	0.07%	9.15%	2.17%	0.12%	1.39%	0.47%	1.86%	2.18%	6.25%	0.00%	21.73%													
0.93%	0.14%	1.14%	0.00%	0.34%	0.97%	0.24%	0.21%	0.47%	3.61%	0.00%	0.00%	8.05%	1.69%	0.02%	0.00%	0.00%	0.00%	0.04%	5.50%	0.00%	15.29%													
2.60%	0.14%	0.52%	0.00%	0.05%	0.22%	0.15%	0.03%	0.11%	19.27%	0.00%	0.07%	23.16%	0.78%	0.17%	1.42%	0.00%	1.42%	0.01%	0.95%	0.00%	26.49%													
0.54%	0.16%	0.30%	0.00%	0.00%	0.46%	0.35%	0.02%	0.31%	2.62%	0.00%	0.02%	4.77%	0.70%	0.11%	0.68%	0.00%	0.68%	0.00%	0.89%	0.00%	7.15%													
1.52%	0.09%	0.35%	0.00%	0.00%	8.01%	14.86%	0.52%	1.27%	4.77%	0.00%	0.00%	31.39%	0.92%	0.15%	0.72%	0.26%	0.99%	1.56%	1.67%	0.00%	36.67%													
0.14%	0.86%	0.44%	0.00%	2.93%	1.41%	0.11%	0.04%	0.42%	7.72%	0.00%	0.02%	14.08%	1.26%	0.12%	2.28%	1.28%	3.57%	0.37%	2.36%	0.00%	21.76%													
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6.31%	0.10%	0.41%	0.15%	0.10%	0.83%	0.38%	1.01%	0.04%	5.17%	0.00%	0.12%	14.61%	1.03%	0.08%	1.88%	0.98%	2.86%	2.55%	1.25%	0.00%	22.39%													
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1.32%	0.27%	0.73%	0.00%	0.18%	0.85%	0.94%	0.03%	0.06%	1.37%	0.00%	0.00%	5.77%	0.84%	0.06%	1.00%	1.22%	2.22%	0.01%	0.66%	0.00%	9.56%													



# Blue Cart



NO plastic bags or soft plastic



NO glass



NO plastic containers for paint, motor oil, lubricant or antifreeze



NO items with hazardous materials symbols



NO soft or hard cover books



NO hard plastic toys

# Not Accepted



# Resources



[portcoquitlam.ca/sortitright](http://portcoquitlam.ca/sortitright)



604.927.5496



City Hall – Shaughnessy  
Public Works – Broadway St



**Sort it Right! Search tool:** [portcoquitlam.ca/wasteline](http://portcoquitlam.ca/wasteline)  
or in the free PoCo Waste-Line app

[www.portcoquitlam.ca/sortitright](http://www.portcoquitlam.ca/sortitright)



# Program Ambassadors



	Count of Infraction	Count of 2nd Infraction Type	Count of 3rd Infraction Type
Plastic bags	560	69	5
Soft Plastics	129	13	1
Styrofoam	31	3	1
Scrap Metal	12	3	
Electronics	11	2	
Inflatable pool toy	11	3	
Garbage	8		
Garden Hose	6		
Fabric	5		
Carpet	5		
Blinds	5		
Construction mat.	4	1	
Fabric	4		
Tarp	4	1	
Camp Chair	3	1	
Yard Waste	3		
Plastic Toys	3		
Food Scraps	2		
Pool Noodles	1		
Paint Cans (empty)	1		
Power Tool	1		
Bike Tire	1		
Furniture	1		
Cooking pots	1		
Basketball hoop	1		
Light bulbs	1		
Carseat	1		
<b>Total</b>	<b>815</b>	<b>96</b>	<b>7</b>

**Total Onsite Recycling Inspections**

**7,386**

**Total Infractions**

**918**

# DROP the bag

Keep plastic bags out of blue and green carts to avoid higher fees and sending more to the landfill



**Don't put organics or recyclables in plastic bags in your carts!**

Any plastic-type bags in blue or green carts will **not** be sorted and will go directly to the landfill



**Place items directly into your green and blue cart**



**What do I do with plastic bags?**

**CLEAN:** MMBC Depot or re-use    **DIRTY:** Garbage





**PUT THESE ITEMS IN  
YOUR BLUE CART**



Paper, catalogues,  
paper bags



Cardboard and  
boxboard



Gable-top and  
Tetra Pak cartons



Frozen dessert boxes  
and cartons



Hard plastic  
containers (any code)



Paper and plastic  
drink cups and lids



Metal cans and  
lids (with labels),  
aluminum foil / plates



Spiral-wound cans for  
chips, juice etc.



Empty aerosol cans  
(no paints, chemicals)

**Take PLASTIC BAGS, STYROFOAM and GLASS JARS / BOTTLES  
to the depot. Do not put them in your blue cart.**

More info: [www.portcoquitlam.ca/recycling](http://www.portcoquitlam.ca/recycling)

Before  
you put  
it in the  
blue cart:



Remove lids



Rinse



Flatten



Remove  
plastic bags



**FREE POCO WASTE-LINE APP**  
Search over 1,000 items, get  
collection alerts and more!  
[www.portcoquitlam.ca/wasteline](http://www.portcoquitlam.ca/wasteline)



Info & resources: [www.portcoquitlam.ca/waste](http://www.portcoquitlam.ca/waste) or 604.927.5496



#200-2564 Shaughnessy St., Port Coquitlam BC, Canada, V3C 3G4  
Tel 604.927.5420 • Fax 604.927.5407  
[engineering@portcoquitlam.ca](mailto:engineering@portcoquitlam.ca)



Date: \_\_\_\_\_, 2016

Dear Owner/Occupant, |

**RE: Final Notice of Waste Cart Contamination**

This final letter is in follow up to the two letters previously delivered to you on \_\_\_\_\_, 2016 and \_\_\_\_\_, 2016 advising you that the wrong items were found in your \_\_\_\_\_ cart. Please be advised that the wrong items were once again found in your \_\_\_\_\_ cart.

In order to reduce our waste contamination levels, the City has put in place a three step process:

1. First Warning - On collection days, ambassadors will check carts on the streets and leave a warning notice to alert residents of sorting problems along with a Sort it Right guide, and this formal notice.
2. Second Warning - If the problem continues, we will deliver you a second warning notice and formal letter.
3. Issue Fine - If mis-sorted waste is found a third time, bylaw enforcement officers will issue a fine of up to \$300.

**Please Note:** this is your third formal letter and a fine will be issued. Your property has been referred to [Bylaw Enforcement](#) to issue you a ticket.

Please contact City staff at 604-927-5496 to learn how you can sort your waste properly. For more information about sorting your waste, please refer to the provided Sort it Right! brochure or visit the City's website at [www.portcoquitlam.ca/wasteloss](http://www.portcoquitlam.ca/wasteloss).

Sincerely,

*R. Mal*

Section Manager, Solid Waste and Fleet Services  
City of Port Coquitlam

This document is important. Please have someone translate it for you.  
Ce document est important et devrait être traduit immédiatement

ਇਹ ਦਸਤਾਵੇਜ਼ ਮਹੱਤਵ ਪੂਰਨ ਹਨ, ਕਿਰਪਾ ਕਰਕੇ ਇਸ ਦਾ  
ਅਨੁਵਾਦ ਕਰਨ ਲਈ ਕਿਸੇ ਹੋਰ ਦੀ ਮਦਦ ਲਵੋ।

이 것은 중요한 문서이니, 필요한 경우 다른 사람에게  
번역을 부탁하십시오.

此為重要文件, 請找人替你翻譯。  
此為重要文件, 請找人替你翻譯。

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







# Public Works Day



### Have a Question? Email the Ambassadors!

Can't find what you're looking for? Email us a question and we'll get back to you as soon as possible, or within two business days!

Ask the Ambassadors a Question 

## Request a Presentation or Resources

The Ambassadors are available for free presentations on sorting waste and keeping bears away for stratas, block parties, schools or other groups. We can customize the presentations to your audience.

We can also provide resources such as stickers, posters and brochures.

Fields marked with an \* are required

**Contact Name: \***

**Email address: \***

**Reason for request (check all that apply):**

- Presentation
- Resources

**Requested Date**

**Ages of audience (if not adult):**

**Topics of Interest (check all that apply):**

- Sorting waste
- Keeping bears away
- Use of City waste-cart locks
- Regional water-use restrictions

**Telephone number:**

**Organization or event:**

**Alternate Date**

Submit








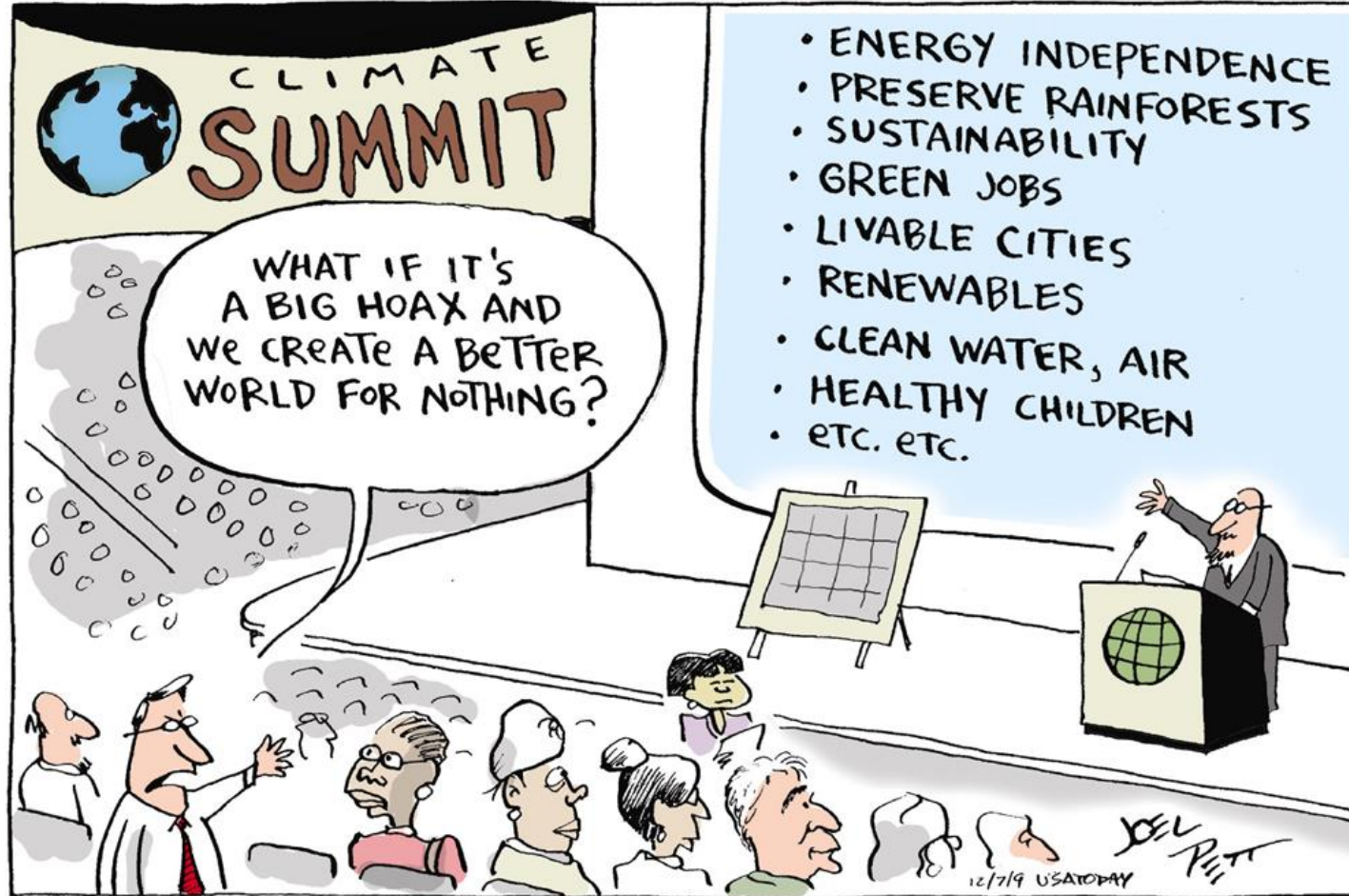
# Next Steps



# ACTIVITY - REDUCING CONTAMINATION

- What actions can be taken by stakeholders to reduce contamination?
  - Example:

ACTION	STAKEHOLDER RESPONSIBLE	BENEFIT OF ACTION	APPLICABILITY (CURB, MF, DEPOT)	SPECIAL CONSIDERATIONS	RANK
 Tag & leave bins	Collector	Educating resident directly by making them deal with contamination	Curb, MF	Tagged MF bins are dealt with by building superintendent, not resident	1



CLIMATE  
**SUMMIT**

WHAT IF IT'S  
A BIG HOAX AND  
WE CREATE A BETTER  
WORLD FOR NOTHING?

- ENERGY INDEPENDENCE
- PRESERVE RAINFORESTS
- SUSTAINABILITY
- GREEN JOBS
- LIVABLE CITIES
- RENEWABLES
- CLEAN WATER, AIR
- HEALTHY CHILDREN
- etc. etc.



**RECYCLEBC™**

*Making a difference together.*



[RecycleBC.ca](https://www.RecycleBC.ca)



[@RecycleBC](https://twitter.com/RecycleBC)



[@RecycleBC](https://www.facebook.com/RecycleBC)