

## CRD Solid Waste Advisory Committee

# **Cruise Ship Waste Overview**

Tymac Launch Service Ltd.

May 6, 2022



### Acknowledgement of Traditional Lekwungen Territory

Songhees Nation















### **ABOUT TYMAC**

Established in 1929, Tymac is a privately held **Canadian Company** that has specialized in servicing the BC Cruise Industry since 1986.

Proudly certified with the **International Longshore & Warehouse Union** (ILWU Canada, Local 400), **Council of Marine Carriers, BC Trucking Association and WorkSafeBC**.

**Green Marine Certified**, a voluntary environmental certification program whose members commit to continuously reduce their environmental footprint and carry out its operational activities in an environmentally sustainable and responsible manner.

Two-time recipient of the Recycling Council of British Columbia (RCBC) Private Sector Award – Excellence in Leadership & Environmental Stewardship (2014 & 2018). An award that is granted annually to one private company based off nominations across all peers within the Recycling Industry in British Columbia.









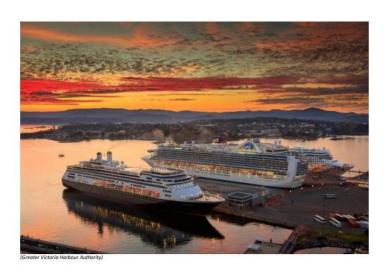








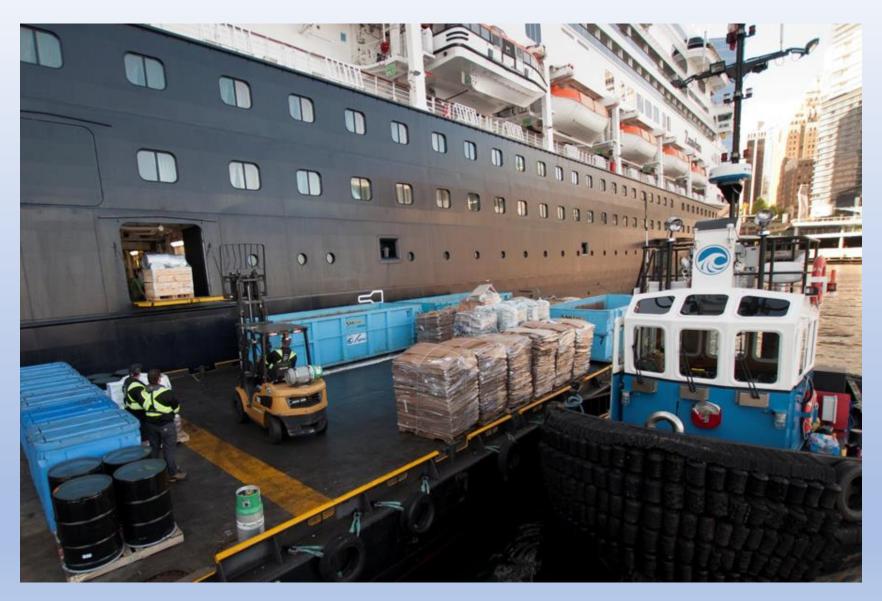
#### **WASTE HANDLING GUIDELINES 2022**



**VICTORIA, BC CANADA** 

Waste Handling Guidelines





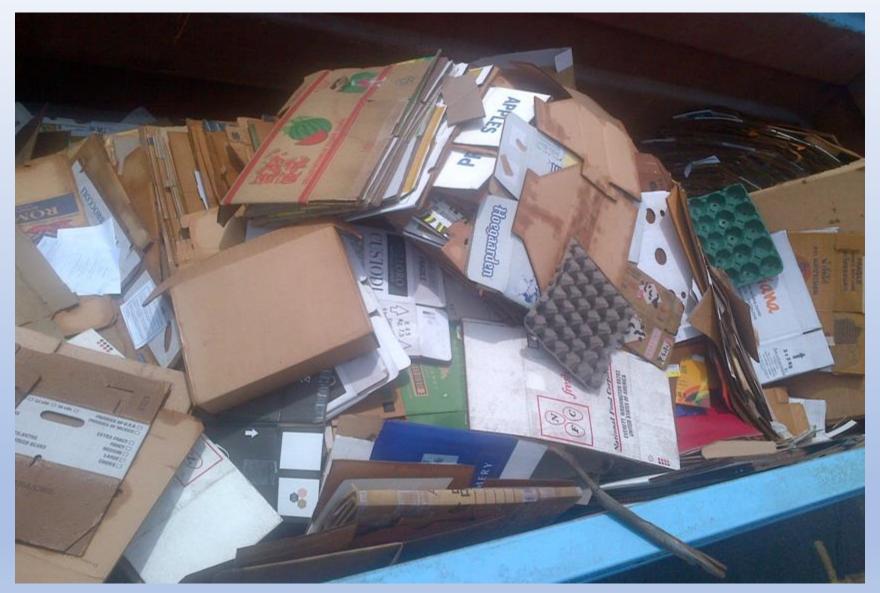
Vancouver





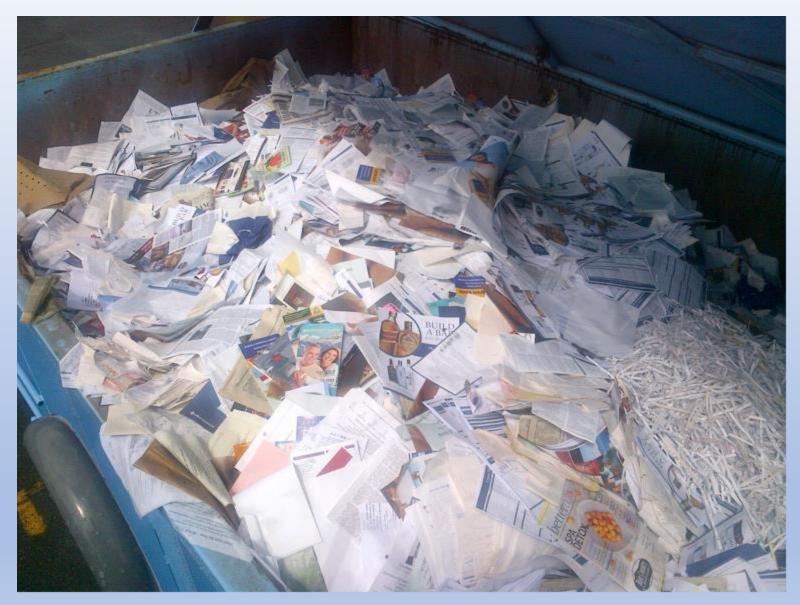
Victoria





Cardboard





Paper





**Crushed Glass** 





**PET Plastic** 





**Rigid Plastic** 





Styrofoam





Food





Mattresses





E-Waste





**Donations** 





**Donations** 





**Mooring Lines** 



## **Skill Testing Question:**

What is the Number 1 recycling commodity by weight that comes off of a cruise ship?



Glass = 2038 tonnes



### RECYCLING PRODUCT EXAMPLES

- Batteries (Alkaline, NiCad, Lead Acid, Lithium)
- Broken China & Crockery
- · Cardboard, Paper & Other Fiber Products
- Cigarette Butts
- Compact Fridges
- Compressors
- Cooking Oil
- E-Waste (Computers, Printers, Monitors, Entertainment Devices, Controls)
- Food Compost & Grease Trap
- Glass (all types)
- Lights (Fluorescent Tubes, Halogens, HID, Incandescent, LED, U-Tubes, Compacts, UV, Germicidal, Mercury Vapor, Mercury Halide)
- Mattresses & Carpet
- Metal & Mooring Lines
- · Printer / Toner Cartridges
- Plastic (PET & Mixed)
- Styrofoam
- Used Oil, Filters & Grease
- Wood & Wooden Pallets

+ Furniture & Other Items for Donation

Total recycled for 2019 = 5,204 tonnes



### 2019 CRD Annual Solid Waste Report

#### TOTAL REFUSE BY TYPE (tonnes)

TYPE OF WASTE	2018	2019	% CHANGE
General refuse	146,431	145,402	-1%
Controlled waste	10,417	11,512	11%
Asbestos containing material	3,094	3,813	23%
TOTAL	159,942	160,727	0%

#### 2019 CRD General Refuse + Controlled Waste = 156,914 t 1

#### CRUISE SHIP WASTE

YEAR	SHIPS	LOW RISK (tonnes)	HIGH RISK (tonnes)	TOTAL (tonnes)
2016	224	255	22	278
2017	239	279	84	763
2018	243	295	9	304
2019	256	1,468	613	2,082

https://www.crd.bc.ca/docs/default-source/crd-document-library/plans-reports/landfill-recycling/2019-reports/2019-solid-waste-annual-report.pdf?sfvrsn=107d30cc 4



### **Conclusion:**

2019	Victoria Cruise Ships	CRD
Population	1,003,998²	418,511 <sup>1</sup>
Garbage Sent to Hartland	2,081 t	156,914 t

Annual % of Garbage Received at Hartland from Cruise Ships = 1.3%, from more than double the population.

https://vancouverisland.ctvnews.ca/victoria-saw-more-than-1m-cruise-ship-passengers-and-crew-in-2019-1.4661532