

CRD Solid Waste Advisory Committee

# **Cruise Ship Waste Overview**

Tymac Launch Service Ltd.

May 6, 2022

# Acknowledgement of Traditional Lekwungen Territory

*Songhees Nation*



*Esquimalt Nation*





1929





1986

# 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



(Greater Victoria Harbour Authority)

**VICTORIA, BC CANADA**

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# 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%
<b>TOTAL</b>	<b>159,942</b>	<b>160,727</b>	<b>0%</b>

**2019 CRD General Refuse + Controlled Waste = 156,914 t<sup>1</sup>**

*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

<sup>1</sup> [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](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	1,003,998 <sup>2</sup>	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.

<sup>2</sup> <https://vancouverisland.ctvnews.ca/victoria-saw-more-than-1m-cruise-ship-passengers-and-crew-in-2019-1.4661532>