

Cargo Residues Discharge in Canadian Waters

- “Cargo residues” means the *remnants of any cargo material on board a vessel that cannot be placed in proper cargo holds (loading excess and spillage) or that remain in cargo holds or elsewhere after unloading procedures are completed (unloading residual and spillage) and includes cargo sweepings* (s.1 of the *Vessel Pollution and Dangerous Chemicals Regulations, SOR/2012-69 (VPDCR)*);
- Cargo residues may be discharged only if all reasonable efforts have been made to empty the cargo hold of the cargo residues and to reclaim any cargo residues that are on the vessel. Furthermore, discharges should be avoided when the master or a crew member observes that a marine mammal is within 0.5 nautical miles of the vessel (VPDCR ss. 101(d), 102(2) and 102(4))
- The following table provide additional requirements for the discharge of cargo residues in specific locations.

Location	Authorized Discharge Conditions	Cargoes authorized for discharge	Regulation
St. Lawrence River, West of Les Escoumins	If the vessel is en route and <u>the cargo residues are not cargo sweepings</u> . (Only wash water can be discharged)	Alumina, bauxite, bentonite, cement, chrome ore, clay, dolomite, ferromanganese, grain*, gypsum, ilmenite, iron ore, iron ore concentrate, lead ore concentrate, limestone, manganese concentrate, manganese ore, nepheline syenite, perlite, quartz, salt, sand, stone, sugar, talc, urea, vermiculite and zinc ore concentrate.	Authorized, VPDCR ss. 102.(1)(g) & 102.(3)
St. Lawrence River, East of Les Escoumins to West Point, Anticosti Island** (Inland waters)	If the vessel is en route and the discharge is made at a distance of more than 6 nautical miles (nm) from shore	Alumina, bauxite, bentonite, cement, chrome ore, clay, dolomite, ferromanganese, grain*, gypsum, ilmenite, iron ore, iron ore concentrate, lead ore concentrate, limestone, manganese concentrate, manganese ore, nepheline syenite, perlite, quartz, salt, sand, stone, sugar, talc, urea, vermiculite and zinc ore concentrate.	Authorized, VPDCR ss. 102.(1)(h) & 102.(3)
St. Lawrence River, East of West Point, Anticosti Island** (Section I waters, does not include inland waters)	If the vessel is en route and the discharge is made at a distance of more than 12 nm from shore	Alumina, bauxite, bentonite, cement, chrome ore, clay, dolomite, ferromanganese, grain*, gypsum, ilmenite, iron ore, iron ore concentrate, lead ore concentrate, limestone, manganese concentrate, manganese ore, nepheline syenite, perlite, quartz, salt, sand, stone, sugar, talc, urea, vermiculite and zinc ore concentrate.	Authorized, VPDCR ss. 102.(1)(i) & 102.(3)
Lake Ontario	Discharge in Lake Ontario, including in any of the connecting and tributary waters of the lake	Limestone or other clean stone	Authorized, VPDCR s. 102.(1)(f)
	Discharge at a distance of more than 5.2 nm from shore	Iron ore	Authorized, VPDCR s. 102.(1)(a)(ii)
	Discharge at a distance of more than 12 nm from shore	All other substances	Authorized, VPDCR s. 102.(1)(a)(i)

Lake Erie	Discharge in Lake Erie, including in any of the connecting and tributary waters of the lake	Limestone or other clean stone	Authorized, VPDCR s. 102.(1)(f)
	Discharge east of a line that runs due south from Point Pelee, when more than 5.2 nm from shore	Iron ore	Authorized, VPDCR s. 102.(1)(a)(ii)
	Lake Erie, discharge in the dredged navigation channels running between Toledo Harbor Light and Detroit River Light	If the vessel loaded cargo from a Lake Erie port immediately after unloading iron ore, coal or salt at that port and the cargo residues are residues of the unloaded iron ore, coal or salt	Authorized, VPDCR s. 102.(1)(b)
	Discharge east of a line that runs due south from Point Pelee, when more than 12 nm from shore	All other substances	Authorized, VPDCR s. 102.(1)(a)(i)
Lake Huron	Six Fathom Scarp Mid-Lake Special Protection Area***	None	Prohibited , VPDCR ss. 98 & 102.(1)(d)
	Discharge in Lake Huron (other than in the above protected area), including in any of the connecting and tributary waters of the lake	Limestone or other clean stone	Authorized, VPDCR s. 102.(1)(f)
	Discharge in Lake Huron (other than in the above protected area), when more than 5.2 nm from shore	Iron ore	Authorized, VPDCR s. 102.(1)(c)(ii)
	Discharge in Lake Huron (other than in the above protected area), if the vessel is upbound along the Thumb of Michigan between 5.04 nm northeast of entrance buoys 11 and 12 and the track line turn abeam of Harbor Beach	Iron ore, coal or salt AND the discharge is made at a distance of more than 2.6 nautical miles from shore	Authorized, VPDCR ss. 102.(1)(d)(i) & 102.(1)(d)(ii)
	Discharge in Lake Huron (other than in the above protected area), when more than 12 nm from shore	All other substances	Authorized, VPDCR s. 102.(1)(c)(i)
Lake Superior	Lake Superior Special Protection Area****	None	Prohibited , VPDCR ss. 98 and 102.(1)(e)
	Discharge in Lake Superior (other than in the above protected area), including in any of the connecting and tributary waters of the lake	Limestone or other clean stone	Authorized, VPDCR s. 102.(1)(f)
	Discharge in Lake Superior (other than in the above protected area), at a distance of more than 5.2 nm from shore	Iron ore	Authorized, VPDCR s. 102.(1)(e)(ii)
	Discharge in Lake Superior (other than in the above protected area), when more than 12 nm from shore	All other substances	Authorized, VPDCR s. 102.(1)(e)(i)

*“Grain” means wheat, corn, oats, rye, barley, flax, soybeans, safflower, canola, rice, pulses and other seeds, and the processed form of seeds, including seedcake and cereal meals, VPDCR s. 102(5).

** West Point of Anticosti: Under the regulations (VPDCR), exact limits are defined as follow: “Inland waters”: (...) *means all the rivers, lakes and other navigable fresh waters within Canada, and includes the St. Lawrence River as far seaward as a straight line drawn (a) from Cap-des-Rosiers to West Point, Anticosti Island; and (b) from Anticosti Island to the north shore of the St. Lawrence River along a meridian of longitude 63°W.*

***The coordinates for “Six Fathom Scarp Mid-Lake Special Protected Area” are outlined in the regulations, VPDCR s. 98.

**** The coordinates for the “Lake Superior Special Protection Area” are outlined in the regulations, VPDCR s. 98.