

2016 Large¹ Commercial Passenger Vessel Discharge Status and Wastewater Treatment

	Vessel Operator	Vessel Name	Passenger Capacity ²	Voyages	Total Passengers ⁴	Crew Capacity	Wastewater Treatment System	Permitted to discharge in Alaska in 2016 ³		Skagway Docks discharge permitted?		
								Underway	Stationary	Railroad	Ore	Broadway
1	Carnival Cruise Lines	<i>Carnival Legend</i>	2124	17	36,108	Unknown	Triton Type MSTP9	No	No	No	No	No
2	Celebrity Cruises	<i>Celebrity Infinity</i>	2170	17	36,890	Unknown	Hydroxyl CB-1000 MSD	No	No	No	No	No
3	Celebrity Cruises	<i>Celebrity Millennium</i>	2449	16	39,184	Unknown	Hydroxyl CB-1 MSD	No	No	No	No	No
4	Celebrity Cruises	<i>Celebrity Solstice</i>	3148	18	56,664	Unknown	Kruger WABAG MSD	No	No	No	No	No
5	Crystal	<i>Crystal Serenity</i>	1050	9	9,450	Unknown	Unknown	No	No	No	No	No
6	Disney	<i>Disney Wonder</i>	2834	13	36,842	920	Hamworthy MBR AWTS	Yes	No	No	No	No
7	Holland America	<i>Amsterdam</i>	1380	18	24,840	Unknown	Hamworthy MSD	No	No	No	No	No
8	Holland America	<i>Maasdam</i>	1258	9	11,322	580	Zenon AWTS	Yes	Yes	Yes	Yes	Yes
9	Holland America	<i>Nieuw Amsterdam</i>	2106	22	46,332	929	Hamworthy Bioreactor	Yes	No	No	No	No
10	Holland America	<i>Noordam</i>	1916	21	40,236	Unknown	Rochem UF MSD	No	No	No	No	No
11	Holland America	<i>Volendam</i>	1432	23	32,936	647	Zenon AWTS	Yes	Yes	Yes	Yes	Yes
12	Holland America	<i>Westerdam</i>	1916	21	40,236	Unknown	Rochem UF MSD	No	No	No	No	No
13	Holland America	<i>Zaandam</i>	1432	19	27,208	647	Zenon AWTS	Yes	Yes	Yes	Yes	Yes
14	Norwegian Cruise Line	<i>Norwegian Jewel</i>	2376	20	47,520	1100	Scanship Type II AWTS	Yes	Yes	Yes	Yes	Yes
15	Norwegian Cruise Line	<i>Norwegian Pearl</i>	2394	20	47,880	1100	Scanship Type II AWTS	Yes	Yes	Yes	Yes	Yes
16	Norwegian Cruise Line	<i>Norwegian Sun</i>	1936	20	38,720	950	Scanship Type II AWTS	Yes	Yes	Yes	Yes	Yes
17	Oceania	<i>Regatta</i>	777	12	9,324	373	Triton Water MBR AWTS	Yes	No	No	No	No
18	Ponant	<i>L'Austral</i>	264	1	264	136	Rochem Bio-filt AWTS	Yes	Yes	Yes	Yes	Yes ⁵
19	Ponant	<i>Le Soleal</i>	264	9	2,376	136	Rochem Bio-filt AWTS	Yes	Yes	Yes	Yes	Yes ⁵
20	Princess Cruise Line	<i>Coral Princess</i>	1986	18	35,748	900	Hamworthy MBR AWTS	Yes	No	No	No	No
21	Princess Cruise Line	<i>Crown Princess</i>	3080	19	58,520	1190	Hamworthy MBR AWTS	Yes	Yes - Graywater only	Yes	No	No
22	Princess Cruise Line	<i>Grand Princess</i>	2606	13	33,878	1100	Hamworthy MBR 16 AWTS	Yes	Yes - Graywater only	No	No	No
23	Princess Cruise Line	<i>Island Princess</i>	1974	18	35,532	900	Hamworthy MBR AWTS	Yes	No	No	No	No
24	Princess Cruise Line	<i>Ruby Princess</i>	3084	19	58,596	1201	Hamworthy MBR 16 AWTS	Yes	Yes - Graywater only	No	No	No
25	Princess Cruise Line	<i>Star Princess</i>	2600	19	49,400	1150	Hamworthy MBR AWTS	Yes	Yes - Graywater only	No	No	No
26	Princess Cruise Line	<i>Sun Princess</i>	2022	1	2,022	924	Hamworthy MBR AWTS	Yes	No	No	No	No
27	Prestige Cruises	<i>Seven Seas Mariner</i>	769	16	12,304	431	Hamworthy MBR 240C AWTS	Yes	No	No	No	No
28	Royal Caribbean Cruises	<i>Explorer of the Seas</i>	4000	17	68,000	Unknown	Unknown	No	No	No	No	No
29	Royal Caribbean Cruises	<i>Radiance of the Seas</i>	2502	17	42,534	Unknown	Hamann MSD	No	No	No	No	No
30	Silver Seas	<i>Silver Shadow</i>	382	19	7,258	305	Bio Epure/Marisan	Yes	No	No	No	No
			Totals	481	988,124							

Vessels highlighted in gray in the above table did not discharge wastewater in Alaskan waters in 2016.

¹A large vessel has overnight accommodations for 250 or more passengers.

²Capacity is the number of lower berths and is calculated from Registration, Vessel Specific Sampling Plan, or Notice of Intent. Actual number of passenger aboard varies.

³Alaska water includes the Alexander Archipelago and extends 3 miles from the coastline. Only vessels that discharge into Alaska waters are required to meet wastewater sampling and reporting requirements.

⁴Assumes full capacity on every voyage

⁵Discharge at Broadway Dock allowed unless another ship is discharging at the Ore Dock

MBR is a Membrane Bioreactor