

2013 Large¹ Commercial Passenger Vessel Discharge Status and Wastewater Treatment

	Vessel Operator	Vessel Name	Passenger Capacity	Voyages	Total Passengers ⁵	Crew Capacity	Blackwater (BW) Treatment System	Graywater (GW) Treatment if different	Permitted to discharge in Alaska in 2013 ³		Alaska DEC Approval Discharge Type
									BW	GW	
1	Carnival Cruise Lines	<i>Carnival Miracle</i>	2124	19	40,356	Unknown	Unknown		No	No	N/A
2	Celebrity Cruises	<i>Century</i>	1812	20	36,240	Unknown	Unknown		No	No	N/A
3	Celebrity Cruises	<i>Millennium</i>	2449	15	36,735	1001	Hydroxyl Cleansea		No	No	N/A
4	Celebrity Cruises	<i>Solstice</i>	2852	17	48,484	Unknown	Krüger/Wabag		No	No	N/A
5	Crystal Cruises	<i>Symphony</i>	975	1	975	Unknown	Unknown		No	No	N/A
6	Disney	<i>Wonder</i>	2834	15	42,510	920	Hamworthy Bioreactor		Yes	Yes	Underway
7	Le Ponant	<i>Le Soleal</i>	264	1	264	Unknown	Unknown		No	No	N/A
8	Holland America	<i>Amsterdam</i>	1380	17	23,460	647	Unknown	Unknown	No	No	N/A
9	Holland America	<i>Oosterdam</i>	1916	21	40,236	800	Unknown	Unknown	No	No	N/A
10	Holland America	<i>Statendam</i>	1260	21	26,460	588	Zenon		Yes	Yes	Continuous
11	Holland America	<i>Volendam</i>	1432	22	31,504	647	Zenon		Yes	Yes	Continuous
12	Holland America	<i>Westerdam</i>	1916	20	38,320	Unknown	Rochem Bio-filtration	Ovivo	No	No	N/A
13	Holland America	<i>Zaandam</i>	1432	19	27,208	647	Zenon		Yes	Yes	Continuous
14	Holland America	<i>Zuiderdam</i>	1916	20	38,320	Unknown	Rochem Bio-filtration	Unknown	No	No	N/A
15	Norwegian Cruise Lines	<i>Norwegian Jewel</i>	2376	18	42,768	1100	Scanship		Yes	Yes	Underway
16	Norwegian Cruise Lines	<i>Norwegian Pearl</i>	2394	20	47,880	1100	Scanship		Yes	Yes	Underway
17	Norwegian Cruise Lines	<i>Norwegian Sun</i>	1936	18	34,848	950	Scanship		Yes	Yes	Underway
18	Oceania	<i>Regatta</i>	777	13	10,101	373	Triton		Yes	Yes	Continuous
19	Princess Cruise Line	<i>Coral Princess</i>	1974	18	35,532	900	Hamworthy Bioreactor		Yes	Yes	Underway
20	Princess Cruise Line	<i>Diamond Princess</i>	2678	20	53,560	1238	Hamworthy Bioreactor		Yes	Yes	Underway
21	Princess Cruise Line	<i>Golden Princess</i>	2636	19	50,084	1060	Hamworthy Bioreactor		Yes	Yes	Continuous (GW only), Underway (BW)
22	Princess Cruise Line	<i>Grand Princess</i>	2606	13	33,878	1100	Hamworthy Bioreactor		Yes	Yes	Continuous (GW only), Underway (BW)
23	Princess Cruise Line	<i>Island Princess</i>	1974	19	37,506	900	Hamworthy Bioreactor		Yes	Yes	Underway
24	Princess Cruise Line	<i>Sapphire Princess</i>	2678	19	50,882	1238	Hamworthy Bioreactor		Yes	Yes	Continuous (GW only), Underway (BW)
25	Princess Cruise Line	<i>Star Princess</i>	2598	19	49,362	1150	Hamworthy Bioreactor		Yes	Yes	Continuous (GW only), Underway (BW)
26	Prestige Cruises	<i>Seven Seas Navigator</i>	544	15	8,160	350	Scanship		Yes	Yes	Underway
27	Royal Caribbean Cruises	<i>Radiance of the Seas</i>	2502	17	42,534	859	Unknown		No	No	N/A
28	Royal Caribbean Cruises	<i>Rhapsody of the Seas</i>	2435	15	36,525	Unknown	Unknown		No	No	N/A
29	Silver Seas	<i>Silver Shadow</i>	382	16	6,112	305	Bio Epure/Marisan		Yes	Yes	Continuous
Totals			487	970,804							

Vessels highlighted in gray in the above table have registered that they will not discharge wastewater in Alaskan waters in 2013.

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

² Capacity 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.

³ Alaska 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.

⁴ Galley graywater not discharged

⁵ Assumes full capacity on every voyage