

2008 Large¹ Commercial Passenger Vessel Discharge Status and Wastewater Treatment

	Vessel Operator	Vessel Name	Passenger Capacity (actual)	Voyages	Total Passengers ⁶	Crew Capacity	Total Persons on Board ²	Blackwater (BW) Treatment System Manufacturer	Permitted to discharge in Alaska ³		Presently Discharging in Alaska ⁷
									BW	GW	
1	Carnival Cruise Lines	<i>Carnival Spirit</i>	2125	18	38,250	934	3059	Triton/Rochem	Yes	Yes ⁴	Yes ⁹
2	Celebrity Cruises	<i>Infinity</i>	1950	21	40,950	930	2880	Zenon	Yes	Yes	No
3	Celebrity Cruises	<i>Mercury</i>	1870	20	37,400	909	2779	Biopure/Rochem	No	No	No
4	Celebrity Cruises	<i>Millennium</i>	2454	19	46,626	1001	3455	Hydroxyl Cleansea	Yes	Yes	No ⁸
5	Holland America	<i>Amsterdam</i>	1380	18	24,840	647	2027	Unknown	No	No	No
6	Holland America	<i>Oosterdam</i>	1848	21	38,808	800	2648	Rochem Bio-filtration	Yes	No ⁵	No
7	Holland America	<i>Ryndam</i>	1266	20	25,320	602	1868	Zenon	Yes	Yes	Yes
8	Holland America	<i>Statendam</i>	1266	20	25,320	588	1854	Zenon	Yes	Yes	Yes
9	Holland America	<i>Veendam</i>	1266	21	26,586	602	1868	Zenon	Yes	Yes	Yes
10	Holland America	<i>Volendam</i>	1440	18	25,920	647	2087	Zenon	Yes	Yes	Yes
11	Holland America	<i>Westerdam</i>	1848	20	36,960	800	2648	Rochem Bio-filtration	Yes	No ⁵	Yes
12	Holland America	<i>Zaandam</i>	1440	19	27,360	647	2087	Zenon	Yes	Yes	Yes
13	International Shipping Partners	<i>Clipper Pacific</i>	1200	1	1,200	Unknown	1200 + crew	Hamman	No	No	No
14	Mitsui OSK	<i>Nippon Maru</i>	619	1	619	160	779	Orca II	No	No	No
15	Norwegian Cruise Lines	<i>Norwegian Pearl</i>	3130	20	62,600	1100	4230	Scanship	Yes	Yes	Yes
16	Norwegian Cruise Lines	<i>Norwegian Star</i>	2900	21	60,900	1100	4000	Scanship	Yes	Yes	Yes
17	Norwegian Cruise Lines	<i>Norwegian Sun</i>	2450	19	46,550	950	3400	Scanship	Yes	Yes	Yes
18	Princess Cruise Line	<i>Coral Princess</i>	2400	18	43,200	900	2800	Hamworthy Bioreactor	Yes	Accommodations Only	Yes
19	Princess Cruise Line	<i>Dawn Princess</i>	1950	14	27,300	900	2850	Hamworthy Bioreactor	Yes	Accommodations Only	Yes
20	Princess Cruise Line	<i>Diamond Princess</i>	2670	20	53,400	1238	3908	Hamworthy Bioreactor	Yes	Accommodations Only	Yes
21	Princess Cruise Line	<i>Golden Princess</i>	2600	20	52,000	1060	3660	Hamworthy Bioreactor	Yes	Accommodations Only	Yes
22	Princess Cruise Line	<i>Island Princess</i>	2400	18	43,200	900	3300	Hamworthy Bioreactor	Yes	Accommodations Only	Yes
23	Princess Cruise Line	<i>Sapphire Princess</i>	2678	18	48,204	1238	3916	Hamworthy Bioreactor	Yes	Accommodations Only	Yes
24	Princess Cruise Line	<i>Star Princess</i>	2600	20	52,000	1150	3750	Hamworthy Bioreactor	Yes	Accommodations Only	Yes
25	Princess Cruise Line	<i>Sun Princess</i>	1950	1	1,950	870	2820	Hamworthy Bioreactor	Yes	Accommodations Only	Yes
26	Princess Cruise Line	<i>Tahitian Princess</i>	776	8	6,208	374	1150	BioPure	No	No	No
27	Regent	<i>Seven Seas Mariner</i>	769	16	12,304	431	1200	Hamworthy Bioreactor	Yes	Yes	Yes
28	Royal Caribbean Cruises Ltd.	<i>Radiance of the Seas</i>	2501	18	45,018	859	3360	Hamman	Yes	Yes	No
29	Royal Caribbean Cruises Ltd.	<i>Serenade of the Seas</i>	2100	20	42,000	850	2950	Scanship	Yes	Yes	No
30	Royal Caribbean Cruises Ltd.	<i>Rhapsody of the Seas</i>	2435	17	41,395	Unknown	2435+crew	Hamman	No	No	No
31	Silver Seas	<i>Silver Shadow</i>	382	11	4,202	305	687	Biopure/Marisan	Yes	Yes	Yes
Totals			516	1,038,590							

In Light Blue- These vessels registered to discharge, but have discharged only to participate in the EPA/DEC study in Skagway or started late in the season.

In Orange- These vessels were permitted by DEC to discharge but have not.

In Grey- These vessels registered to not discharge in Alaska waters during the 2008 season.

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

²Capacity 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.

⁴Galley graywater not discharged

⁵Some graywater mixed with blackwater

⁶Assumes full capacity on every voyage

⁷As of August 1 2008

⁸Discharged to participate in EPA/DEC study in Skagway and also to meet related sampling requirements.

⁹Began discharging in Alaskan waters on July 18th.