

2010 Large¹ Commercial Passenger Vessel Discharge Status and Wastewater Treatment

	Vessel Operator	Vessel Name	Passenger Capacity	Voyages	Total Passengers ⁶	Crew Capacity	Total Persons on Board ²	Blackwater (BW) Treatment System Manufacturer	Was Permitted to discharge in Alaska in 2009 ³	
									BW	GW
1	Carnival Cruise Lines	<i>Carnival Spirit</i>	2500	19	47,500	934	3434	Triton/Rochem	Yes	Yes ⁴
2	Celebrity Cruises	<i>Infinity</i>	2449	19	46,531	930	3379	Zenon	No	No
3	Celebrity Cruises	<i>Mercury</i>	1876	19	35,644	909	2785	Biopure/Rochem	No	No
4	Celebrity Cruises	<i>Millennium</i>	2449	19	46,531	1001	3450	Hydroxyl Cleansea	No	No
5	Holland America	<i>Amsterdam</i>	1380	11	15,180	647	2027	Unknown	No	No
6	Holland America	<i>Oosterdam</i>	1916	20	38,320		1916	Rochem Bio-filtration	No	No
7	Holland America	<i>Rotterdam</i>	1404	18	25,272		1404			
8	Holland America	<i>Ryndam</i>	1260	19	23,940	602	1862	Zenon	Yes	Yes
9	Holland America	<i>Statendam</i>	1260	19	23,940	588	1848	Zenon	Yes	Yes
10	Holland America	<i>Volendam</i>	1432	19	27,208	647	2079	Zenon	Yes	Yes
11	Holland America	<i>Zaandam</i>	1432	20	28,640	647	2079	Zenon	Yes	Yes
12	Holland America	<i>Zuiderdam</i>	1916	20	38,320	Unknown	1916+crew	Rochem Bio-filtration	No	No
13	Japan Cruise Line	<i>Pacific Venus</i>	680	1	680	Unknown	680 + crew	Unknown	No	No
14	Mitsui OSK	<i>Nippon Maru</i>	539	1	539	Unknown	539+Crew	Unknown	No	No
15	Norwegian Cruise Lines	<i>Norwegian Pearl</i>	2394	20	47,880	1100	3494	Scanship	Yes	Yes
16	Norwegian Cruise Lines	<i>Norwegian Star</i>	2348	22	51,656	1100	3448	Scanship	Yes	Yes
17	NYK	<i>Asuka II</i>	872	1	872	Unknown	872+Crew	Unknown	No	No
18	Princess Cruise Line	<i>Coral Princess</i>	1970	19	37,430	900	2800	Hamworthy Bioreactor	Yes	Accommodations Only
19	Princess Cruise Line	<i>Diamond Princess</i>	2678	20	53,560	1238	3916	Hamworthy Bioreactor	Yes	Accommodations Only
20	Princess Cruise Line	<i>Golden Princess</i>	2598	19	49,362	1060	3658	Hamworthy Bioreactor	Yes	Accommodations Only
21	Princess Cruise Line	<i>Island Princess</i>	1970	18	35,460	900	2870	Hamworthy Bioreactor	Yes	Accommodations Only
22	Princess Cruise Line	<i>Royal Princess</i>	710	8	5,680	374	1062	Hamworthy Bioreactor	No	No
23	Princess Cruise Line	<i>Sapphire Princess</i>	2678	18	48,204	1238	3916	Hamworthy Bioreactor	Yes	Accommodations Only
24	Princess Cruise Line	<i>Sea Princess</i>	2016	13	26,208	854	2870	Hamworthy Bioreactor	Yes	Accommodations Only
25	Prestige Cruises	<i>Seven Seas Navigator</i>	540	14	7,560		540	Scanship	No	No
26	Royal Caribbean Cruises Ltd.	<i>Radiance of the Seas</i>	2501	18	45,018	859	3360	Hamman	Yes	Yes
27	Royal Caribbean Cruises Ltd.	<i>Rhapsody of the Seas</i>	2435	19	46,265	Unknown	2435+crew	Hamman	No	No
28	Silver Seas	<i>Silver Shadow</i>	382	16	6,112	305	687	Biopure/Marisan	Yes	Yes
Totals			449	859,512						

In Grey- These vessels registered to not discharge in Alaska waters during the 2010 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 dependent upon sales.

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

Preliminary