

2021 Large<sup>1</sup> Commercial Passenger Vessel Discharge Status and Wastewater Treatment

Vessel Operator	Vessel Name	Wastewater Treatment System <sup>2</sup>		Passenger Capacity <sup>3</sup>	Approx. Crew Capacity	Planned Voyages	Annual Passenger capacity <sup>4</sup>	Authorization	Permitted to Discharge in Alaska <sup>5</sup>		Skagway Docks Discharge Permitted		
		Manufacturer	Model (Units)						Underway	Stationary	Railroad	Ore	Broadway
1 Carnival Cruise Lines	<i>Carnival Miracle</i> ND			2124	930	11	23,364	None	No	No	No	No	No
2 Celebrity Cruises	<i>Celebrity Millenium</i> ND	Hydroxyl	AWP CB-100	2593	1000	11	28,523	None	No	No	No	No	No
3 Holland America	<i>Nieuw Amsterdam</i> ND	Hamworthy	MBR 360N (x2)	2106	930	10	21,060	2013DB0004-0023	Yes	No	No	No	No
4 Norwegian Cruise Line	<i>Norwegian Encore</i>	Scanship	AWP 60	3998	1700	13	51,974	Pending					
5 Princess Cruise Line	<i>Majestic Princess</i> ND			3560	1250	10	35,600	None	No	No	No	No	No
6 Royal Caribbean Cruises	<i>Serenade of the Seas</i> ND			2702	900	11	29,722	None	No	No	No	No	No
7 Royal Caribbean Cruises	<i>Ovation of the Seas</i> ND	Scanship	AWP 60	4180	1500	10	41,800	2013DB0004-0032	Yes	No	No	No	No
8 Silver Seas	<i>Silver Muse</i>	Scanship	AWP 25	596	400	5	2,980	2013DB0004-0029	Yes	No	No	No	No
						<b>Totals</b>	<b>81</b>	<b>235,023</b>					

<sup>1</sup> A large commercial passenger vessel has overnight accommodations for 250 or more passengers.

<sup>2</sup> Nondischarging vessels are not required to provide treatment system information.

<sup>3</sup> Based on the number of lower berths, from Registration or Notice of Intent submitted to ADEC. Actual number of passengers aboard varies.

<sup>4</sup> Assumes full capacity on every voyage.

<sup>5</sup> Alaska water extends 3 miles from the coastline and includes the Alexander Archipelago

Vessels highlighted in gray (and indicated by 'ND') have registered as non-discharge vessels for the 2021 Cruise Ship Season. No effluent sampling is required.