

2020 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>	Crew Capacity	Planned Voyages <sup>6</sup>	Annual Passenger capacity <sup>4</sup>	2020 Discharge in AK waters <sup>5,6</sup>	
Carnival Cruise Lines	<i>Carnival Miracle</i>	ND	2124	930	10	21,240	AK Season Cancelled	
Carnival Cruise Lines	<i>Carnival Spirit</i>	ND	2124	961	22	46,728	AK Season Cancelled	
Celebrity Cruises	<i>Celebrity Eclipse</i>	ND	3148	1270	20	62,960	AK Season Cancelled	
Celebrity Cruises	<i>Celebrity Millennium</i>	ND	2593	930	17	44,081	AK Season Cancelled	
Celebrity Cruises	<i>Celebrity Solstice</i>	ND	3148	1250	17	53,516	AK Season Cancelled	
Cunard	<i>Queen Elizabeth</i>	Hamworthy (2 units)	2081	1000	10	20,810	AK Season Cancelled	
Disney	<i>Disney Wonder</i>	Hamworthy (2 units)	2834	920	17	48,178	AK Season Cancelled	
Holland America	<i>Eurodam</i>	Hamworthy (2 units)	2106	929	21	44,226	AK Season Cancelled	
Holland America	<i>Koningsdam</i>	Unknown, New Vessel to AK	2650	929	21	55,650	AK Season Cancelled	
Holland America	<i>Maasdam</i>	Zenon	1258	580	11	13,838	AK Season Cancelled	
Holland America	<i>Noordam</i>	ND	1916	800	21	40,236	AK Season Cancelled	
Holland America	<i>Oosterdam</i>	Unknown, New installation	1964	800	21	41,244	AK Season Cancelled	
Holland America	<i>Volendam</i>	Zenon	1432	647	22	31,504	AK Season Cancelled	
Holland America	<i>Westerdam</i>	Rochem	1964	800	20	39,280	AK Season Cancelled	
Hurtigruten	<i>Roald Amundson</i>	ND	530	151	2	1,060	AK Season Cancelled	
Norwegian Cruise Line	<i>Norwegian Bliss</i>	Scanship	3500	1706	22	77,000	AK Season Cancelled	
Norwegian Cruise Line	<i>Norwegian Jewel</i>	Scanship	2376	1100	18	42,768	AK Season Cancelled	
Norwegian Cruise Line	<i>Norwegian Joy</i>	Scanship	3500	1706	23	80,500	AK Season Cancelled	
Norwegian Cruise Line	<i>Norwegian Sun</i>	Scanship	1936	906	14	27,104	AK Season Cancelled	
Oceania	<i>Insignia</i>	Scanship	777	373	1	777	AK Season Cancelled **	
Oceania	<i>Regatta</i>	Triton (2 units)	777	373	15	11,655	AK Season Cancelled	
Ponant	<i>L' Austral</i>	ND	264	136	1	264	AK Season Cancelled	
Ponant	<i>Le Boreal</i>	ND	264	136	2	528	AK Season Cancelled	
Ponant	<i>Le Soleal</i>	Rochem	264	136	8	2,112	AK Season Cancelled	
Princess Cruise Line	<i>Coral Princess</i>	Hamworthy (2 units)	1970	900	19	37,430	AK Season Cancelled	
Princess Cruise Line	<i>Emerald Princess</i>	De Nora Ozone (per 2017 NOI)	3114	1200	19	59,166	AK Season Cancelled	
Princess Cruise Line	<i>Golden Princess</i>	Hamworthy (3 units)	2600	1060	8	20,800	AK Season Cancelled	
Princess Cruise Line	<i>Grand Princess</i>	Hamworthy (3 units)	2590	1100	19	49,210	AK Season Cancelled	
Princess Cruise Line	<i>Pacific Princess</i>	Hamworthy (2 units)	670	375	17	11,390	AK Season Cancelled	
Princess Cruise Line	<i>Royal Princes</i>	Hamworthy (2 units)	3600	1378	19	68,400	AK Season Cancelled	
Princess Cruise Line	<i>Ruby Princess</i>	Hamworthy (3 units)	3080	1201	20	61,600	AK Season Cancelled	
Princess Cruise Line	<i>Star Princess</i>	Hamworthy (3 units)	3100	1150	14	43,400	AK Season Cancelled	
Princess Cruise Line	<i>Sun Princess</i>	ND	2010	924	1	2,010	AK Season Cancelled	
Royal Caribbean Cruises	<i>Ovation of the Seas</i>	Scanship	4180	1551	17	71,060	AK Season Cancelled	
Royal Caribbean Cruises	<i>Radiance of the Seas</i>	ND	2502	859	17	42,534	AK Season Cancelled	
Royal Caribbean Cruises	<i>Serenade of the Seas</i>	ND	2702	891	15	40,530	AK Season Cancelled	
Seabourn	<i>Sojourn</i>	Hamworthy (2 units)	450	338	16	7,200	AK Season Cancelled	
Seven Seas Cruises	<i>Seven Seas Mariner</i>	Hamworthy	769	431	16	12,304	AK Season Cancelled	
Silver Seas	<i>Silver Cloud</i>	Unknown, New Vessel to AK	254	222	3	762	AK Season Cancelled	
Silver Seas	<i>Silver Muse</i>	Scanship	596	417	18	10,728	AK Season Cancelled	
Viking	<i>Viking Orion</i>	Scanship	954	499	10	9,540	AK Season Cancelled	
Windstar	<i>Star Breeze</i>	Unknown, New installation	312	164	6	1,872	AK Season Cancelled	
					<b>Totals<sup>6</sup></b>	<b>610</b>	<b>1,357,195</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. Number preceding name equals number of units onboard. MBR=Membrane Bioreactor.

<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 nautical miles from coast and includes the Alexander Archipelago.

<sup>6</sup> AK Season cancelled due to COVID-19 and **no** voyages completed. Table shows original voyage count (uncompleted) from 2020 Registration. \*\* Itinerary change unrelated to COVID. Vessels highlighted in gray (and indicated by 'ND') have registered as non-discharge vessels for the 2020 Cruise Ship Season. No effluent sampling is required.