

## 2005 Small<sup>1</sup> Commercial Passenger Vessels Wastewater Treatment

Vessel Operator	Vessel Name	Passenger Capacity (lower berth)	Crew Capacity	Total Persons on Board	Blackwater Treatment System Manufacturer	Graywater treatment	Discharging in Alaska <sup>3</sup> & Subject to sampling program		Type of Treatment System
							BW	GW	
Alaska Marine Highway System	<i>Columbia</i>	157	66	223	Exceltec	Mixed with BW	Yes	Yes	Macerator Chlorinating System
Alaska Marine Highway System	<i>Kennicott</i>	162	42	204	Orca	Mixed with BW	Yes	Yes	Macerator Chlorinating System
Alaska Marine Highway System	<i>Malaspina</i>	138	50	188	Exceltec	Mixed with BW	Yes	Yes	Macerator Chlorinating System
Alaska Marine Highway System	<i>Matanuska</i>	136	50	186	Exceltec	Mixed with BW	Yes	Yes	Macerator Chlorinating System
Alaska Marine Highway System	<i>Taku*</i>	55	42	97	Effluent Technology	Mixed with BW	Yes	Yes	Macerator Chlorinating System
America West Steamshp	<i>Empress of the North</i>	see total	see total	320	Orca	Chlorine	Yes	Yes	Macerator Chlorinating System
CruiseWest	<i>Spirit of 98</i>	96	26	122	Red Fox	None	Yes	Yes	Biological Chemical
CruiseWest	<i>Spirit of Alaska</i>	78	21	99	Omnipure	None	Yes	Yes	Macerator Chlorinating System
CruiseWest	<i>Spirit of Columbia</i>	78	21	99	Omnipure	None	Yes	Yes	Electrocatalytic
CruiseWest	<i>Spirit of Discovery</i>	84	21	105	Red Fox	None	Yes	Yes	Biological Chemical
CruiseWest	<i>Spirit of Endeavour</i>	102	28	130	Omnipure	None	Yes	Yes	Electrocatalytic
CruiseWest	<i>Spirit of Oceanus</i>	114	64	178	Hamworthy	None	Yes	Yes	Biological & Filtration
Glacier Bay	<i>Wilderness Adventurer</i>	69	23	92	Omnipure 12 MX	Mixed with BW	Yes	Yes	Electrocatalytic
Glacier Bay	<i>Wilderness Discoverer</i>	87	23	110	Omnipure 12 MX	Mixed with BW	Yes	Yes	Electrocatalytic
Lindblad Expeditions	<i>Sea Bird</i>	70	28	98	Omnipure 12M	Chlorine	Yes	Yes	Electrocatalytic
Lindblad Expeditions	<i>Sea Lion</i>	68	28	96	Omnipure 12M	Chlorine	Yes	Yes	Electrocatalytic
New World Management	<i>Clipper Odyssey</i>	128	76	204	Consillium Neptumatic	Chlorine	Yes	Yes	Macerator Chlorinating System
New World Management	<i>Yorktown Clipper</i>	138	37	175	Omnipure 12MX824-27	Chlorine	Yes	Yes	Electrocatalytic

<sup>1</sup>A small vessel has overnight accommodations for 50-249 passengers. A large vessel has overnight accommodations for 250 or more passengers.

<sup>2</sup>Alaska water extends 3 miles from the coastline and includes the Alexander Archipelago. Vessels discharging in Alaska water must sample their wastewater twice per season.

\*Expected to be out of service in 2005.