



AUTHORIZATION TO DISCHARGE

Alaska Department of
Environmental
Conservation
Division of Water
CPVEC Program

AUTHORIZATION TO DISCHARGE UNDER THE LARGE COMMERCIAL PASSENGER
VESSEL WASTEWATER DISCHARGE GENERAL PERMIT NO. 2013DB0004

FACILITY ASSIGNED AUTHORIZATION NUMBER: 2013DB0004-0002

GENERAL PERMIT NUMBER: 2013DB0004

See this General Permit for all permit requirements.

The following facility is authorized to discharge in accordance with the terms of the State of Alaska General Permit 2013DB0004 and any specific requirements listed in this authorization.

The authorization effective date is **April 28, 2015**.

The authorization to discharge shall expire at midnight, **on the expiration or termination date of General Permit 2013DB0004 (August 28, 2019)** unless notified by the Department.

The permittee must reapply for an authorization when the Department issues a General Permit that replaces 2013DB0004 if the permittee intends to continue operations and discharges from the facility.

SECTION 1 - RESPONSIBLE PARTY INFORMATION	
Issued to:	Silversea Cruises Ltd

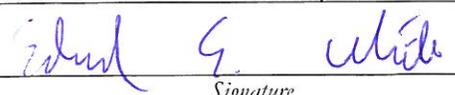
SECTION 2 - FACILITY INFORMATION	
ADEC File Number:	920.45.010
Authorization Number	<i>2013DB0004-0002</i>
Facility Name:	<i>Silver Shadow</i>
Type of Facility	Large Commercial Passenger Vessel
Type of Wastewater Authorized for Discharge:	Treated Wastewater (Blackwater and Graywater)
Type of Wastewater Treatment System:	Marisan AWTS as listed in VSSP
Type of Authorization:	Authorized for underway discharge of wastewater treated through the Marisan wastewater treatment system configuration as approved by the Department in the current Vessel Specific Sampling Plan.

SECTION 3 – REGULATED DISCHARGE INFORMATION – EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS	
Effluent Compliance Point:	Wastewater effluent sampling port(s) identified in the Department approved Vessel Specific Sampling Plan.
Effluent Limitations	Table 3 of the General Permit
Special Conditions:	The <i>Silver Shadow</i> is authorized to discharge treated wastewater into Alaska marine waters while underway at speeds above 6 knots.
Monitoring Requirements	Table 5 of the General Permit, and any other applicable monitoring requirements in the General Permit
Discharge Monitoring Report (DMR)	The <i>Silver Shadow</i> must submit a monthly DMR with effluent limits that is available on the Department's website: (http://dec.alaska.gov/water/cruise_ships/gp/2014gp.html) or on a similar form approved by the Department.

SECTION 4 – RECEIVING AREA INFORMATION-RECEIVING WATER	
Receiving Area Name:	Marine waters of the state of Alaska as defined in the General Permit
Underway Mixing Zone Description:	63 meters in length, 5 meters in width, and a depth from the water surface to the depth the discharge port is below the water surface plus one meter. The shape of the mixing zone is an elongated rectangle that extends from the discharge port towards the stern of the ship.
Stationary Mixing Zone Description:	N/A
Skagway Discharge at Ore or Broadway Docks	N/A, underway discharge only

SECTION 5 – ADDITIONAL TERMS AND CONDITIONS (GP 4.3.2)	
Item	No additional terms or conditions

If you have any technical questions regarding this authorization or the requirements of the general permit, please contact the Cruise Program Manager at (907) 465-5320.

SECTION 6 – CERTIFICATION/SIGNATURE	
 _____ <i>Signature</i>	4/28/2015 _____ <i>Date</i>
Edward E White _____ <i>Printed Name</i>	EPS III, CPVEC ADEC _____ <i>Title</i>



NOTICE OF INTENT FORM

Notice of Intent to be covered under the Wastewater General Permit 2013DB0004 for Large Commercial Passenger Vessels Operating in Alaska (See Sections 2 and 3 of the permit.)	
Submission of this document constitutes a request that certain discharges into marine waters of the state resulting from the operation of the large commercial passenger vessels identified herein be authorized under General Permit 2013-DB0004.	
Vessel Owner Information	
Who is the main point of contact for the vessel? (e.g. owner, operator, or Alaska Agent): OPERATOR	
Vessel Owner's Business Name: HAI XING 1201 LIMITED c/o ICBC FINANCIAL LEASING CO. LTD	
Mailing Address: 10/F, BANK OF BEIJING BUILDING, 17(C), JINGRONG STREET, BEIJING, zip 100033, CHINA	Phone: +86 10 6610 5831
Representative: HONG XING	Email: hongxing@leasing.icbc.com.cn
Vessel Owner's or Operator's Alaska Agent Information	
Company Name: Cruise Line Agencies of Alaska	
Mailing Address: 1249 Tongass Avenue, Suite B, Ketchikan, AK 99901, USA	Phone: +9072250999
Representative: Mr. John Kimmel	Email: ketchikan@claalaska.com
Vessel Operator's Business Name if Different From the Owner's Business Name	
Vessel Operator's Business Name: Silversea Cruises Ltd	
Mailing Address: 110, East Broward Blvd, Fort Lauderdale, FL 33301, USA	Phone: +9545224477
Representative: Mr. Christian Sauleau	Email: csauleau@silversea.com

Vessel Information (Y/N)	
Are you seeking authorization to discharge with a mixing zone?	Y
Are you seeking authorization to discharge while moving at 6 knots or greater?	Y
Are you seeking authorization to discharge while moving at under 6 knots?	N
Are you seeking authorization to discharge while in Skagway at Broadway or Ore Docks?	N
If the permittee is seeking authorization which includes a mixing zone, attach (may be emailed separately) a drawing to scale that indicates the length of the vessel and the locations of all wastewater effluent penetration points (ports) on the hull.	
Vessel Name:	Silver Shadow
Vessel IMO Number:	9192167
Vessel Gross Tonnage:	28 258
Port of Registry:	Nassau
Maximum Passenger Capacity per Voyage:	435 (per safety certificate)
Maximum Crew Capacity per Voyage:	305 (per safety certificate)
Vessel Draft ¹ :	6.12 m
Vessel Length in Meters at Waterline ² :	173.00 m
Vessel Tracking	
Method of submitting hourly vessel tracking information while in Alaskan waters (Marine Exchange of Alaska AIS or other Department approved method):	
Name, physical address, and mailing addresses of the service:	Marine Exchange of Alaska AIS 1000 Harbor Way Suite 204 Juneau, Alaska 99801
Contact's name, email address, and phone number:	Ryck Sypeck e-mail: ricksypeck@mxak.org or OPS1@MXAK.ORG tel: 907 463-3064 or 907 463-4650

¹ Vessel draft under a) loaded condition for Alaska operations (bunkers / waste water storage etc.) and b) under light ship conditions for Alaska operations (bunkers empty / no waste water storage etc.)

² Length of Waterline (LWL) under normal load in standard Alaska conditions.

Discharge Port Characteristics			
Note: If there is more than one discharge port attach a sheet with the characteristics below for each AWTS Port. If more than one discharge pump attach sheet with capacity for each.			
Discharge Port Name ³ :	MAR07	Location (Starboard/Port):	Port
Discharge Port Internal Diameter:	61.92 mm	Discharge Port Centerline Vertical Distance from Keel:	4.21 m
Discharge Port Distance from Bow at Waterline (normal load):	80.3 m	Discharge Port Centerline Vertical Distance from Waterline (normal load) ⁴ :	1.91 m
Discharge Port shape (round, oval, square):	Round	Discharge Port Pump Capacity (m ³ /hr) for each Pump ⁵ :	10.4
Discharge Port Vertical Angle Relative to Waterline ⁶ :	0	Discharge Port Horizontal Angle Relative to Centerline ⁷ :	0

Wastewater Discharge Information		
Estimates of the average and maximum volume of the wastewater to be discharged per 24 hour period (in cubic meters), and the beginning and ending dates between which discharges may occur the first year of the permit;	Average:	220 m3
	Maximum:	250 m3
	Startup Date:	08 May 2015
	Ending date:	20 September 2015

³ Name or identification as used in VSSP and Waste Water Discharge Logbook.

⁴ Vertical distance from the vertical centerline of the discharge port relative to the standard (loaded) conditions waterline.

⁵ Treated wastewater discharge pump for the named discharge port. For vessels with variable speed / capacity pumps identify the effective discharge capacities. For vessels with more than one pump simultaneously operated identify the total effective pump capacities.

⁶ Parallel with the Vertical Longitudinal Center Plane orientation of the hull orientation angle defined as the angle in degrees between the horizontally perpendicular projected line originating from the vertical longitudinal center plane of the hull self to the center of the discharge port, and the projected perpendicular line originating from the port center self (face) vertically directed to the center plane of the hull (Y-Y axis).

⁷ Parallel with the Vertical Longitudinal Center Plane orientation of the hull orientation angle defined as the angle in degrees between the horizontally perpendicular projected line originating from the vertical longitudinal center plane of the hull self to the center of the discharge port, and the projected perpendicular line originating from the port center self (face) horizontally directed to the vertical center plane of the hull (X-X axis).

The type, number, and combined maximum design capacity in cubic meters per 24 hour period of all advanced wastewater treatment systems (AWTS) onboard;	Type (s) (including manufacturer, model name, model number, and year built):	A- WWTP Marisan 250 TPD (built 2004)
	Number of AWTS:	1
	Combined design capacity:	250 m3 per day
Type(s) of sewage treatment and system capacity in cubic meters per 24 hour period;	Type (s) (including manufacturer, model name, model number, and year built): #2 Biological Sewage Treatment Units BIOEPURO B250 (built 1999). U.S.C.G. Certification No. 159.015/6211/0 A- WWTP Marisan 250 TPD treating the S.T.U. effluent mixed with grey waters Combined design capacity: 250 m3 per day	
Type(s) of graywater treatment and system capacity in cubic meters per 24 hour period;	Type (s) (including manufacturer, model name, model number, and year built): A- WWTP Marisan 250 TPD Combined design capacity: 250 m3 per day	
Average volume of sewage generation per day in cubic meters;	20 m3	
Maximum volume of sewage generation per day in cubic meters;	25 m3	
Average graywater generation per day in cubic meters for the following sources;	Accommodations: 80 m3 Galley: 70 m3 Laundry: 50 m3 Other (list types and volumes): N/A	
Maximum graywater generation per day in cubic meters for the following sources;	Accommodations 90 m3 Galley 80 m3 Laundry 55 m3 Other (list types and volumes): N/A	

The method of handling and disposal of sludge and biosolids produced from the treatment of sewage and graywater.

Bio sludge will be discharged at sea more than 12 nm from nearest land or landed to shore reception facilities (usually in Vancouver)

Signature and Certification for NOI

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Signature of Responsible Corporate Officer

[On file at DEC Juneau]

Printed Name

Christian Sauleau

Title/Company

Executive Vice President Fleet Operations
Silversea Cruises

Date

April 8, 2015

Submit this Notice of Intent to:

**Commercial Passenger Vessel Environmental Compliance Program
Division of Water
Alaska Dept. of Environmental Conservation
410 Willoughby Avenue, Suite 303
PO Box 111800
Juneau, AK 99811-1800**