



THE STATE
of **ALASKA**
GOVERNOR MIKE DUNLEAVY

Department of Environmental
Conservation

DIVISION OF WATER

Wastewater Discharge Authorization Program

555 Cordova Street
Anchorage, Alaska 99501-2617
Main: 907.269.6285
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www.dec.alaska.gov/water/wwdp

May 13, 2022

Michael D. Inman
Windstar Cruises Marshall Islands, LLC
2101 4th Ave, Suite 210
Seattle, WA 98121

Re: Authorization to Discharge 2013DB0004-0038: Star Breeze

Dear Mr. Inman:

The Alaska Department of Environmental Conservation (DEC) has completed its review and acknowledges that you have submitted a complete Notice of Intent (NOI) form for the 2013DB0004 Large Commercial Passenger Vessel Wastewater Discharge General Permit (Permit).

The Star Breeze is hereby authorized to discharge treated wastewater into Alaska marine waters and is issued wastewater discharge authorization number 2013DB0004-0038. Discharge from this vessel is authorized in accordance with the terms and conditions of the general permit and any vessel-specific conditions included in this document.

An electronic copy of the Permit and this authorization is available at the Department website <http://dec.alaska.gov/water/cruise-ships/cruise-general-permit/>.

The following are vessel specific conditions that apply to this authorization:

- 1) Treated wastewater discharge is authorized when the vessel is operating at speeds of 6 knots or greater.
 - a. Mixing Zone: Mixing zone size for the permittee is authorized for discharges at speeds of 6 knots or greater and is limited to 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. See Permit Section 5.2.3.
- 2) Treated wastewater discharge is authorized when the vessel is operating at speeds of less than 6 knots.
 - a. Mixing Zone: Mixing zone size for permittees authorized for discharges at speeds under 6 knots, excepted as specified in Section 5.2.5, is limited to a radius of 83 meters and a depth from the water surface to the depth the discharge port is below the water surface plus one meter. The mixing zone will extend away from the hull of the vessel in a semicircle centered on the discharge port. See Permit Part 5.2
- 3) Effluent Limits and sampling requirements are identified in Tables 4 and 6 of the Permit.
- 4) Receiving Water Monitoring is required twice per year in accordance with Permit Section 6.9.3.
- 5) During the first year of vessel operation in Alaska waters, Whole Effluent Toxicity (WET) Testing is required monthly in accordance with Permit Section 6.9.4.
- 6) Discharge from multiple ports simultaneously is prohibited.

- 7) In-port discharge is only authorized from a single port that is located on the outboard side of the vessel from the dock where operationally feasible.

The permittee is reminded of the following permit requirements, and is responsible for all submissions and activities in the Permit even if they are not summarized below:

- All Commercial Passenger Vessels must register annually see Permit Part [2.1.3](#). <http://dec.alaska.gov/water/cruise-ships/cruise-registration/>.
- As per Permit Part [4.2.3](#), the permittee shall notify the Department, in writing, of wastewater treatment system modifications that change information provided to the Department in the approved NOI form at least 48 hours prior to the discharge of any treated wastewater into marine waters of the state. The NOI Application form can be accessed at the Departments website <http://dec.alaska.gov/water/cruise-ships/cruise-general-permit/>.
- Quality Assurance Project Plan (QAPP) see Permit Part [6.1](#): The owner/operator of a vessel that intends to discharge wastewater into Alaskan waters must submit a wastewater sampling QAPP to ADEC by March 1 for approval.
- Vessels Specific Sampling Plan (VSSP) see Permit Part [6.2](#): All vessels are required to have an approved Vessel Specific Sampling Plan (VSSP) 21 days before sampling.
- Sampling requirements for discharges underway at speeds greater than 6 knots and associated effluent limits can be found in Tables [2](#), [3](#) and [5](#) of the permit.
- Sampling requirements for discharges at speeds less than 6 knots and associated effluent limits are located in Tables [4](#) and [6](#) of the permit.
- Discharge Monitoring Reports (DMRs): see Permit Part [7.2](#): DMRs are required for each calendar month that the vessel operated in the marine waters of the state and must be submitted within the first 21 days of the following calendar month.
- Submit all CPVEC registration correspondence, support documents, and reports to: DEC.WQ.Cruise@alaska.gov or mail to: ADEC-CPVEC, ATTN: Cruise Ship Program P.O. Box 111800 Juneau, AK 99811-1800.
- A copy of the General Permit 2013DB0004 and this authorization letter must be kept onboard the vessel. This letter does not relieve the permittee from other local, state, or federal government permitting requirements.

Please reference your permit authorization number 2013DB0004-0038 and vessel name in all future correspondence. If you have any questions regarding the above, please contact Sam Kito at 907-269-7542, or via email at Sam.Kito@alaska.gov.

Sincerely,



James Rypkema

Program Manager, Cruise Ship Permitting

Enclosure: NOI

cc: DEC.WQ.Cruise@alaska.gov

**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):

Michael D. Inman

Vessel Owner's Business Name:

Windstar Cruises Marshall Islands, LLC

Mailing Address:

2101 4th Ave, Suite 210, Seattle, WA, 98121

Phone:

206-351-5870

Representative:

Michael D. Inman

Email:

Mike.Inman@Windstarcruises.com

Vessel Owner's or Operator's Alaska Agent Information

Company Name:

Cruise Line Agency of Alaska (CLAA)

Mailing Address:

55 Shoenbar Court #101, Ketchikan, AK, 99901

Phone:

907-228-0851

Representative:

John Kimmel

Email:

johnk@claalaska.com

Vessel Operator's Business Name if Different From the Owner's Business Name

Vessel Operator's Business Name: **N/A**

Mailing Address:

Phone:

Representative:

Email:

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?	Y
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:	Star Breeze
Vessel IMO Number:	8807997
Vessel Gross Tonnage:	12969
Port of Registry:	Nassau
Maximum Passenger Capacity per Voyage:	318
Maximum Crew Capacity per Voyage:	202
Vessel Draft ¹ :	5.4 m
Vessel Length in Meters at Waterline ² :	147 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 1050 Harbor Way Juneau, AK 99801
Contact's name, email address, and phone number:	Rick Sypeck Senior Maritime Information Specialist www.mxak.org Desk: (907) 463-4850 Cell: (907) 723-0507

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 :	Permeate Overboard V/V	Location (Starboard/Port):	Starboard
Discharge Port Internal Diameter:	40 mm	Discharge Port Centerline Vertical Distance from Keel:	2.1 m

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.

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

Discharge Port Distance from Bow at Waterline (normal load):	106 m	Discharge Port Centerline Vertical Distance from Waterline (normal load) ⁴ :	3.3 m
Discharge Port shape (round, oval, square):	Round	Discharge Port Pump Capacity (m ³ /hr) for each Pump ⁵ :	28 m ³ /hr
Discharge Port Vertical Angle Relative to Waterline ⁶ :	0	Discharge Port Horizontal Angle Relative to Centerline ⁷ :	90

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:	60 m ³ to 90 m ³
	Maximum:	145 m ³
	Startup Date:	May 21, 2022
	Ending date:	September 3, 2022
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):	Manufacture: EVAC Model name: Advance Wastewater Treatment Plant MBR 145K Model number: 6581223 Year built: 2019
	Number of AWTS:	1
	Combined design capacity:	145 m ³ /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): N/A Combined design capacity:	

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).

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): N/A Combined design capacity:
Average volume of sewage generation per day in cubic meters;	5 m3
Maximum volume of sewage generation per day in cubic meters;	8 m3
Average graywater generation per day in cubic meters for the following sources;	Accommodations: 40 m3 Galley: 25 m3 Laundry: 15 m3 Other (list types and volumes): N/A
Maximum graywater generation per day in cubic meters for the following sources;	Accommodations 67 m3 Galley 34 m3 Laundry 25 m3 Other (list types and volumes): N/A
<p>The method of handling and disposal of sludge and biosolids produced from the treatment of sewage and graywater.</p> <p>Biomass/Treated Blackwater is collected into holding tank 4C. This tank can hold up to 38.1 m3 of biomass content. This biomass will be discharged overboard via pump in international waters/outside Alaska State Waters, or if absolutely necessary to shore side facilities outside Alaska.</p>	

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 <i>Michael D. Inman</i>	Printed Name Michael D. Inman
Title/Company Senior Director, Marine, Safety & Environmental Operations Windstar Cruises Marshall Islands, LLC	Date March 14, 2022
Submit this Notice of Intent to:	
<p style="text-align: center;">Commercial Passenger Vessel Environmental Compliance Program Division of Water Alaska Dept. of Environmental Conservation PO Box 111800 Juneau, AK 99811-1800</p>	