



THE STATE
of **ALASKA**
GOVERNOR MIKE DUNLEAVY

Department of Environmental
Conservation

DIVISION OF WATER

Wastewater Discharge Authorization Program

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Anchorage, Alaska 99501-2617
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<https://dec.alaska.gov/water/wastewater/>

June 14, 2023

Sarah Ferguson-Brown
Norwegian Cruise Line Holdings
7665 Corporate Center Dr
Miami FL 33141

Re: Authorization to Discharge 2013DB0004-0046 Seven Seas Explorer

Dear Sarah Ferguson-Brown:

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).

Seven Seas Explorer is hereby authorized to discharge treated wastewater into Alaska marine waters and is issued wastewater discharge authorization number 2013DB0004-0046. 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.
 - b. Effluent Limits and sampling requirements are identified in Tables 3 and 5 of the Permit
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 Section 5.2.4.
 - b. 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.
 - c. Effluent Limits and sampling requirements are identified in Tables 4 and 6 of the Permit.
3. Treated wastewater discharge is authorized when the vessel is docked in Skagway at either the Broadway Dock, or the Ore Dock.

- a. Mixing Zone: Mixing zone size for permittees authorized for discharge when docked in Skagway at Broadway Dock or Ore Dock when cruise ships are present at both docks is limited to a radius of 15 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 Section 5.2.5.
 - b. 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.
 - c. 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. Discharge from multiple ports simultaneously is prohibited.

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 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 2013DB0004-0046 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,

A handwritten signature in black ink, appearing to read "James Rypkema", written in a cursive style.

James Rypkema
Program Manager, Cruise Ship Permitting

Enclosure: NOI

Reference (EDMS) submission number: HPR-RT4F-TXH47

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 passengers 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): Sarah Ferguson-Brown	
Mailing Address: 7665 Corporate Center Dr Miami, FL 33141	Business Name: Norwegian Cruise Line Holdings Phone: (305) 436-4349 Email: sbrown@nclcorp.com Representative:
Vessel Owner's or Operator's Alaska Agent Information	
Mailing Address: P.O. Box 21507 Juneau, AK 99802	Company Name: Cruise Line Agencies of Alaska Phone: (907) 586-1282 Email: juneau@claalaska.com Representative:
Vessel Operator's Business Name if Different from the Owner's Business Name	
Vessel Information	
Are you seeking authorization to discharge with a mixing zone?	Yes
Are you seeking authorization to discharge while moving at 6 knots or greater with a mixing zone?	Yes
Are you seeking authorization to discharge while moving at under 6 knots with a mixing zone?	Yes
Are you seeking authorization to discharge while in Skagway at Broadway or Ore Docks with a mixing zone?	Yes
All vessels seeking authorization to discharge in Alaska Waters need to provide recent (within the previous 12 months) sampling results for Fecal Coliform Bacteria, Total Residual Chlorine (TRC), pH, Biochemical Oxygen Demand (5-day) and Total Suspended Solids (TSS). 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:	Seven Seas Explorer
Vessel IMO Number:	9703150
Vessel Gross Tonnage:	55254
Port of Registry:	Majuro
Maximum Passenger Capacity per Voyage:	809
Maximum Crew Capacity per Voyage:	551
Vessel Draft ¹ :	7.2
Vessel Length in Meters at Waterline ² :	198.4
Vessel Tracking	
Method of submitting hourly vessel tracking information while in Alaskan waters (Marine Exchange of Alaska AIS or other Department approved method): Marine Exchange of Alaska	
Name, physical address, and mailing address of the service:	Marine Exchange of Alaska 1000 Harbor Way Suite 204 Juneau, AK 99801
Contact's name, email address, and phone number:	Email: OPS1@mxak.org Phone: 907-463-2607 Fax: 800-682-2898

¹ Vessel draft under a) loaded condition for Alaska operations (bunkers/wastewater 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 :	B-SW/126 VD	Location (Starboard/Port):	Port
Discharge Port Internal Diameter:	8	Discharge Port Centerline Vertical Distance from Keel:	2.4
Discharge Port Distance from Bow at Waterline (normal load):	160	Discharge Port Centerline Vertical Distance from Waterline (normal load) ⁴ :	4.8
Discharge Port shape (round, oval, square):	Round	Discharge Port Pump Capacity (m ³ /hr) for each Pump ⁵ :	25
Discharge Port Vertical Angle Relative to Waterline ⁶ :	90	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:	250	
	Maximum:	280	
	Startup Date:	05/13/2023	
	Ending date:	09/30/2023	
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):	EVAC, OY, MBR 200K N Built 2016	
	Number of AWTS:	1	
	Combined design capacity:	400	
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): Combined design capacity:		
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): Combined design capacity:		
Average volume of sewage generation per day in cubic meters;			
Maximum volume of sewage generation per day in cubic meters;			
Average graywater generation per day in cubic meters for the following sources;	Accommodations: 120 Galley: 70 Laundry: 60 Other (list types and volumes):		
Maximum graywater generation per day in cubic meters for the following sources;	Accommodations: 150 Galley: 80 Laundry: 70 Other (list types and volumes):		

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

The sludge and bio-solids produced from the treatment of wastewater will be retained onboard for discharge at sea on the distance greater than 12 NM from the nearest land (outside of Alaskan Territorial Waters).

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

Printed Name

Title/Company

Date