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
Fax: 907.334.2415
www.dec.alaska.gov/water/wastewater

May 4, 2023

Nicole Langosch
Hurtigruten Expedition Cruises AS c/o Hurtigruten Expedition Technical Services GmbH
Vorsetzen 54
Hamburg, Germany 20459

Re: Authorization to Discharge 2013DB0004-0049 Roald Amundsen

Dear Mrs. Nicole Langosch,

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).

Roald Amundsen is hereby authorized to discharge treated wastewater into Alaska marine waters and is issued wastewater discharge authorization number 2013DB0004-0049. 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: A mixing zone was not requested for this vessel.
    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 2 and 5 of the Permit.
2. 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 2013DB0004-0049 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

Reference (EDMS) submission number: HPS-M3SE-MZ5H4

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): Terje Willassen	
Mailing Address: Vorsetzen 54 Hamburg, 20459	Business Name: Master of Roald Amundsen Phone: Email: master.ra@hurtigruten.com Representative:
Vessel Owner's or Operator's Alaska Agent Information	
Mailing Address: 55 Schoenbar Court, #101 Ketchikan, AK 99901	Company Name: Cruise Line Agencies of Alaska S.E. Phone: (907) 225-0999 Email: johnk@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?	No
Are you seeking authorization to discharge while moving at 6 knots or greater with a mixing zone?	No
Are you seeking authorization to discharge while moving at under 6 knots with a mixing zone?	No
Are you seeking authorization to discharge while in Skagway at Broadway or Ore Docks with a mixing zone?	No
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:	Roald Amundsen
Vessel IMO Number:	9813072
Vessel Gross Tonnage:	21765
Port of Registry:	Tromso, Norway
Maximum Passenger Capacity per Voyage:	530
Maximum Crew Capacity per Voyage:	151
Vessel Draft[1]:	5.5
Vessel Length in Meters at Waterline[2]:	133.5
Vessel Tracking	
Method of submitting hourly vessel tracking information while in Alaskan waters (Marine Exchange of Alaska AIS or other Department approved method): AIS	
Name, physical address, and mailing address of the service:	Marine Exchange of Alaska PACTRACS 1050 Harbor Way Juneau
Contact's name, email address, and phone number:	Rick Sypek 907-723-0507 ricksypeck@mxak.org

[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]:	5821.0222	Location (Starboard/Port):	Port
Discharge Port Internal Diameter:	11	Discharge Port Centerline Vertical Distance from Keel:	8.6
Discharge Port Distance from Bow at Waterline (normal load):	87.3	Discharge Port Centerline Vertical Distance from Waterline (normal load)[4]:	3.1
Discharge Port shape (round, oval, square):	Round	Discharge Port Pump Capacity (m^3/hr) for each Pump[5]:	51.1
Discharge Port Vertical Angle Relative to Waterline[6]:	90	Discharge Port Horizontal Angle Relative to Centerline[7]:	180
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[8]:	5821.0232	Location (Starboard/Port):	Starboard
Discharge Port Internal Diameter:	11	Discharge Port Centerline Vertical Distance from Keel:	8.75
Discharge Port Distance from Bow at Waterline (normal load):	72.2	Discharge Port Centerline Vertical Distance from Waterline (normal load)[9]:	3.25
Discharge Port shape (round, oval, square):	Round	Discharge Port Pump Capacity (m^3/hr) for each Pump[10]:	51.1
Discharge Port Vertical Angle Relative to Waterline[11]:	90	Discharge Port Horizontal Angle Relative to Centerline[12]:	180

[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).
[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.
[11] 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).
[12] 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).

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:	134
	Maximum:	160
	Startup Date:	05/16/2023
	Ending date:	08/23/2023
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):	Biological digestion with 5 Bioreactors Scanship AWP-8 1219-AWP 2019
	Number of AWTS:	1
	Combined design capacity:	192

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;	At 80% passenger capacity: 134
Maximum volume of sewage generation per day in cubic meters;	At 100% passenger capacity: 160
Average graywater generation per day in cubic meters for the following sources;	Accommodations: 85.5 Galley: 28.5 Laundry: 20 Other (list types and volumes): - Dryer condensate <0,5-1 kg/d - Bio residue reject water <2m³/d - Food waste reject water < included in bio residue
Maximum graywater generation per day in cubic meters for the following sources;	Accommodations: 102 Galley: 34 Laundry: 24 Other (list types and volumes): - Dryer condensate <2 kg/d - Bio residue reject water <2 m³/d - Food waste reject water < included in bio residue

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

Bio-sludge is being discharge at sea, in accordance with MARPOL and local /national environmental regulations.

Bio-solids are very small quantities, estimated to 3-5 kg a year and are delivered as Bio-Hazardous materials ashore to respective shore-based reception facilities.

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