



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/wwdp

May 13, 2022

Sarah Ferguson-Brown
NCL (Bahamas) Ltd.
7665 Corporate Center Drive

Re: Authorization to Discharge 2013DB0004-0015: Norwegian Jewel

Dear Ms. 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).

The Norwegian Jewel is hereby authorized to discharge treated wastewater into Alaska marine waters and is issued wastewater discharge authorization number 2013DB0004-0015. 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 Section 5.2.4.
- 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.

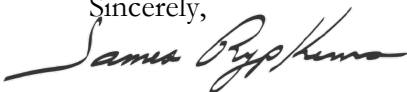
- 4) In-port discharge is only authorized from a single port that is located on the outboard side of the vessel from the dock where operationally feasible.
- 5) Effluent Limits and sampling requirements are identified in Tables [3](#), [4](#), [5](#) and [6](#) of the Permit.
- 6) Receiving Water Monitoring is required twice per year in accordance with Permit Section [6.9.3](#).
- 7) 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 2013DB0004-0015 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): Owner

Vessel Owner's Business Name: NCL (Bahamas) Ltd.

Mailing Address:

7665 Corporate Center Drive, Miami FL 33126

Phone:

+1 305 436 4216

Representative: Senior Vice President Marine Operations

Email:

Lrazeto@nclCorp.com

Vessel Owner's or Operator's Alaska Agent Information

Company Name: Cruise Line Agencies of Alaska

Mailing Address:

Cruise Line Agencies Of Alaska

PO Box 21507 Juneau, AK 99802

Phone:

+1 (907) 586-1282

Representative: Andrew Greene

Email:

Juneau@claalaska.com

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

Vessel Operator's Business Name: NCL (Bahamas) Ltd.

Mailing Address:

7665 Corporate Center Drive
Miami, FL 33126

Phone:

305-436-4349

Representative: Sarah Ferguson-Brown

Email:

sbrown@nclcorp.com

| | |
|---|---|
| Vessel Information (Y/N) | |
| Are you seeking authorization to discharge with a mixing zone? | yes |
| Are you seeking authorization to discharge while moving at 6 knots or greater? | yes |
| Are you seeking authorization to discharge while moving at under 6 knots? | yes |
| Are you seeking authorization to discharge while in Skagway at Broadway or Ore Docks? | yes |
| 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: | Norwegian Jewel |
| Vessel IMO Number: | 9304045 |
| Vessel Gross Tonnage: | 93502 |
| Port of Registry: | Bahamas |
| Maximum Passenger Capacity per Voyage: | 2889 (maximum), 2376 (double occupancy) |
| Maximum Crew Capacity per Voyage: | 1100 |
| Vessel Draft ¹ : | 8.60 meters |
| Vessel Length in Meters at Waterline ² : | 264.80 meters |
| 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 100 Harbour Way Suite 204 Juneau, Alaska 99801 |
| Contact's name, email address, and phone number: | Phone: +1 (907) 463 3607 Fax :+1 (800) 682 2898 24 hours contact: +1 (907) 463 3064 Email: ops1@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 : | Overboard Valve A – WTC 13 | Location (Starboard/Port): | PORT |
| Discharge Port Internal Diameter: | 100 mm | Discharge Port Centerline Vertical Distance from Keel: | 2.9 meters |
| Discharge Port Distance from Bow at Waterline (normal load): | 160 meters | Discharge Port Centerline Vertical Distance from Waterline (normal load) ⁴ : | 4500 mm |
| Discharge Port shape (round, oval, square): | round | Discharge Port Pump Capacity (m ³ /hr) for each Pump ⁵ : | 40 m ³ /hour per pump |
| Discharge Port Vertical Angle Relative to Waterline ⁶ : | 90 degrees | Discharge Port Horizontal Angle Relative to Centerline ⁷ : | 90 degrees |

| 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: | 1100 m ³ |
| | Maximum: | 1440 m ³ |
| | Startup Date: | 04/25/2022 |
| | Ending date: | 10/19/2022 |

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): | Scanship Type II Advanced Water Treatment System Mussel FA45 2005 |
| | Number of AWTS: | 1 |
| | Combined design capacity: | 1780 m3/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): 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; | 100 m3 | |
| Maximum volume of sewage generation per day in cubic meters; | 120 m3 | |
| Average graywater generation per day in cubic meters for the following sources; | Accommodations: 500 Galley: 260 Laundry: 120 Other (list types and volumes): n/a | |
| Maximum graywater generation per day in cubic meters for the following sources; | Accommodations: 600 Galley: 350 Laundry: 150 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.

The sludge and bio-solids produced from the treatment of wastewater will be retained onboard for discharge at sea more than 12 NM from nearest land (outside the 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

Sarah Ferguson-Brown

Title/Company

Sr. Director, Environmental Operations, NCL

Date

2/18/2022

Submit this Notice of Intent to:

Commercial Passenger Vessel Environmental Compliance Program
Division of Water
Alaska Dept. of Environmental Conservation
PO Box 111800
Juneau, AK 99811-1800