



THE STATE
of **ALASKA**
GOVERNOR MICHAEL J. DUNLEAVY

Department of Environmental
Conservation

DIVISION OF WATER
Commercial Passenger Vessel
Environmental Compliance Program

410 Willoughby Ave, Ste 303
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Juneau, Alaska 99811-1800
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March 15, 2019

Sarah Ferguson-Brown
Norwegian Cruise Line Holdings, Ltd.
7665 Corporate Center Drive
Miami, FL 33126

ADEC File Number 920.45.070

Re: **Authorization to Discharge 2013DB0004-0031, Norwegian Joy**

Dear Ms. Ferguson-Brown:

The Alaska Department of Environmental Conservation (DEC) authorizes operation of the *Norwegian Joy* under the Large Commercial Passenger Vessel Wastewater Discharge General Permit No 2013DB0004 (hereinafter 2014 GP), and has issued the enclosed Authorization 2013DB0004-0031.

ADEC completed its review of your completed Notice of Intent (NOI) submitted on March 14, 2019 for the *Norwegian Joy*. Based upon its review and other submitted documentation, DEC authorizes the *Norwegian Joy* for discharge of treated wastewater into Alaska marine waters as provided in the authorization letter. Please note the specific restrictions on mixing zones (no discharge at Skagway Ore and Broadway docks) of the authorization.

For those authorized discharges, the 2014 General Permit requires compliance demonstration through sampling of wastewater. Underway sampling requirements and effluent limits can be found in Tables 3 and 5 of the 2014 GP for mixed wastewater or blackwater. Stationary sampling requirements and effluent limits can be found in Tables 4 and 6 of the 2014 GP for mixed, black, or graywater.

Compliance with all other terms and conditions is expected at all times. Any changes made to the wastewater treatment installation or sampling port must be reported in an updated Vessel Specific Sampling Plan (VSSP) prior to sampling.

Any person who disagrees with this decision may request an adjudicatory hearing in accordance with 18 AAC 15.195 - 18 AAC 15.340 or an informal review by the Division Director in accordance with 18 AAC 15.185. Informal review requests must be delivered to the Director of Water, 410 Willoughby Ave., Suite 303, P.O. Box 111800, Juneau, Alaska 99811-1800, within 15 days of receipt

of the permit decision. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, 410 Willoughby Ave., Suite 303, P.O. Box 111800, Juneau, Alaska 99811-1800, within 30 days from the date of the permit decision. If a hearing is not requested within 30 days, the right to appeal is waived.

If you have any technical questions concerning this authorization, please contact me at edward.white@alaska.gov or (907) 465-5138.

Sincerely,

A handwritten signature in black ink that reads "Edward C. White". The signature is written in a cursive style with a large initial "E" and a distinct "C" before the last name.

Edward White
CPVEC (Cruise Ship) Program Manager

Enclosure: Authorization 2013DB0004-0031



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: 2013DB0004-0031

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 **March 15, 2019**.

The authorization to discharge shall expire at midnight, **on the expiration date of the General Permit** 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:	NCL (Bahamas) Ltd.
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SECTION 2 - FACILITY INFORMATION

ADEC File Number:	920.45.070
Authorization Number	2013DB0004-0031
Facility Name:	Norwegian Joy
Type of Facility	Large Commercial Passenger Vessel
Type of Wastewater Authorized for Discharge:	Treated wastewater
Type of Wastewater Treatment System:	Scanship AWP 60, Build 2018 Type II AWTS
Type of Authorization:	Authorized for discharge of wastewater treated through a Scanship Type II AWTS configuration as approved by the Department in the current Vessel Specific Sampling Plan while underway at speeds greater than 6 knots.

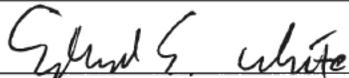
	Authorization for discharge of wastewater treated through a Scanship Type II AWTS while stationary or at speeds less than 6 knots.
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SECTION 3 - REGULATED DISCHARGE INFORMATION - EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS	
Effluent Compliance Point:	Wastewater effluent sampling port(s) identified in the Department approved Vessel Specific Sampling Plan and Notice of Intent.
Effluent Limitations	Table 3 of the General Permit for discharges underway at speeds greater than 6 knots. Table 4 of the General Permit for discharges while stationary or at speeds less than 6 knots.
Special Conditions:	None
Monitoring Requirements	Table 5 and 6 of the General Permit including Receiving Water Monitoring, and WET testing in 2019, and any other applicable monitoring requirements in the General Permit
Discharge Monitoring Report (DMR)	The Norwegian Joy must submit a monthly DMR with effluent limits that is available on the Department's website 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:	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.
Skagway Discharge at Ore or Broadway Docks	Not authorized for discharge at the Ore or Broadway Dock in Skagway, AK.
SECTION 5 - ADDITIONAL TERMS AND CONDITIONS (GP 4.3.2)	
None	

If you have any technical questions regarding this authorization or the requirements of the general permit, please contact the Cruise Program Manager at (907) 465-5138.

SECTION 6 - CERTIFICATION/SIGNATURE
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Signature
 Edward E White

Printed Name

3/15/2019

Date
 EPM I, ADEC CPVEC

Title



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: Breakaway Four, Ltd.	
Mailing Address: Park Place 55 Par-la-Ville Road Hamilton, HM11 Bermuda	Phone: N/A
Representative: N/A	Email: N/A
Vessel Owner's or Operator's Alaska Agent Information	
Company Name: Cruise Line Agencies of Alaska	
Mailing Address: Cruise Line Agencies of Alaska P.O. Box 21507 Juneau, AK 99802	Phone: [REDACTED]
Representative: Andrew Greene	Email: [REDACTED]
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: [REDACTED]

Representative: Sarah Ferguson-Brown	Email: [REDACTED]
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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:	M/V Norwegian Joy
Vessel IMO Number:	9703796
Vessel Gross Tonnage:	167725
Port of Registry:	Nassau, Bahamas
Maximum Passenger Capacity per Voyage:	4992
Maximum Crew Capacity per Voyage:	1706
Vessel Draft ¹ :	a, 8.6 m b. 8.0
Vessel Length in Meters at Waterline ² :	316 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 1000 Harbor Way Suite 204 Juneau, AK 99801
Contact's name, email address, and phone number:	Main Telephone – [REDACTED] Main Fax – [REDACTED] Network Operations Control Center Fax – [REDACTED] 24 Hour Contact – [REDACTED] Email – [REDACTED]

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 :	A	Location (Starboard/Port):	WTC 16 Port
Discharge Port Internal Diameter:	323.9 mm	Discharge Port Centerline Vertical Distance from Keel:	4100 mm
Discharge Port Distance from Bow at Waterline (normal load):	219.57 m	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 :	240 m ³ /hr
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:	1150 m ³ /Day
	Maximum:	1464 m ³ /Day
	Startup Date:	May 4, 2019
	Ending date:	Oct 5, 2019

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 AWP 60 Type II Advanced Waste Treatment System. 2017
	Number of AWTS:	1
	Combined design capacity:	N/A
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): Scanship AWP 60, build: 2017 Direct mechanical screening of sewage, filtrate mixed with gray water. Combined design capacity: N/A	
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): Scanship AWP 60, build: 2017 1464 m3/Day Combined design capacity: N/A	
Average volume of sewage generation per day in cubic meters;	138 m3/day	
Maximum volume of sewage generation per day in cubic meters;	140 m3/day	
Average graywater generation per day in cubic meters for the following sources;	Accommodations: 800 Galley: 300 Laundry: 265 Other (list types and volumes): N/A	
Maximum graywater generation per day in cubic meters for the following sources;	Accommodations: 800 Galley: 300 Laundry: 265 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-residual are discharge through overboard (discharge Port "B") only when vessel is outside Alaska waters, more than 12 NM from the nearest land at speed in excess of 6 knots.

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.



Health Safety- Env-Medical

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Division of Water
Alaska Dept. of Environmental Conservation
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