



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: 2013DB0004-0015

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 **May 1, 2015**.

The authorization to discharge shall expire at midnight, **on the expiration or termination date of General Permit 2013DB0004 (August 28, 2019)** 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:	920.45.037
Authorization Number	2013DB0004-0015
Facility Name:	Norwegian Jewel
Type of Facility	Large Commercial Passenger Vessel
Type of Wastewater Authorized for Discharge:	Treated wastewater
Type of Wastewater Treatment System:	"Scanship" Type II AWTS Mussell FA45 2005
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:	N/A
Monitoring Requirements	Table 5 and 6 of the General Permit including Receiving Water Monitoring, and WET testing in 2017, and any other applicable monitoring requirements in the General Permit
Discharge Monitoring Report (DMR)	The Norwegian Jewel must submit a monthly DMR with effluent limits that is available on the Department's website: (http://dec.alaska.gov/water/cruise_ships/gp/2014gp.html) or on a similar form approved by the Department.

SECTION 4 – RECEIVING AREA INFORMATION-RECEIVING WATER

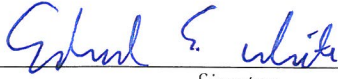
Receiving Area Name:	Marine waters of the state of Alaska as defined in the General Permit
Underway Mixing Zone Description:	63 meters in length, 5 meters in width, and a depth from the water surface to the depth the discharge port is below the water surface plus one meter. The shape of the mixing zone 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	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.

SECTION 5 – ADDITIONAL TERMS AND CONDITIONS (GP 4.3.2)

N/A	None
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If you have any technical questions regarding this authorization or the requirements of the general permit, please contact the Cruise Program Manager at (907) 465-5320.

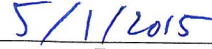
SECTION 6 - CERTIFICATION/SIGNATURE



Signature

Edward E White

Printed Name



Date

EPS III, 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: Norwegian Jewel Limited – Number 143185	
Mailing Address: Norwegian Jewel Limited International House, Castle Hill, Victoria Rd Douglas, Isle of Man IM2 4RB	Phone: NA
Representative: NA	Email: NA
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: (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 Dr. Miami, FL 33126	Phone: 305-436-4956
Representative: Randall R. Fiebrandt	Email: rfiebrandt@ncl.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:	M/V Norwegian Jewel
Vessel IMO Number:	9304045
Vessel Gross Tonnage:	93502
Port of Registry:	Nassau, Bahamas
Maximum Passenger Capacity per Voyage:	3,000 (maximum) 2376 (Double occupancy)
Maximum Crew Capacity per Voyage:	1100
Vessel Draft ¹ :	8.6m (loaded) 8.4m (Light conditions)
Vessel Length in Meters at Waterline ² :	264.80 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, Alaska 99801
Contact's name, email address, and phone number:	Main Telephone (907) 463 2607 Main Fax Number: (800) 682 2898 Network Operations Control Center Fax: (907) 463 3654 24 Hour Contact (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 WTC 13 Port	Location (Starboard/Port):	Port
Discharge Port Internal Diameter:	100 mm	Discharge Port Centerline Vertical Distance from Keel:	2.90 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 :	40m3 per hr. 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:	800 m3
	Maximum:	1440 m3
	Startup Date:	May 9, 2015
	Ending date:	September 26' 2015
The type, number, and combined maximum design capacity in cubic meters per 24 hour period of all advanced wastewater treatment	Type (s) (including manufacturer, model name, model number, and year built):	"Scanship" Type II AWTS Mussell FA45 2005

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).

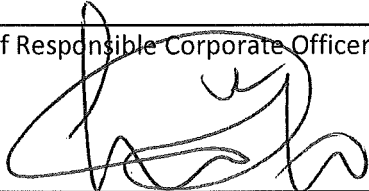
⁷ Parallel with the Vertical Longitudinal Center Plane orientation of the hull orientation angle defined as the angle in degrees between the horizontally perpendicular projected line originating from the vertical longitudinal center plane of the hull self to the center of the discharge port, and the projected perpendicular line originating from the port center self (face) horizontally directed to the vertical center plane of the hull (X-X axis).

systems (AWTS) onboard;	Number of AWTS:	One
	Combined design capacity:	1780 m3
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;	80 m3	
Maximum volume of sewage generation per day in cubic meters;	100 m3	
Average graywater generation per day in cubic meters for the following sources;	Accommodations: 500 Galley: 260 Laundry: 120 Other (list types and volumes):	
Maximum graywater generation per day in cubic meters for the following sources;	Accommodations: 600 Galley: 350 Laundry: 150 Other (list types and volumes):	
The method of handling and disposal of sludge and biosolids produced from the treatment of sewage and graywater. These waste products will be retained onboard for discharge at sea more than 12 nautical miles from nearest land – outside Alaskan Territorial Waters and the Alexander Archipelago.		

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

LUIGI RABEO

Title/Company

SVP MARINE OPERATIONS

Date

04/10/2015

Submit this Notice of Intent to:

**Commercial Passenger Vessel Environmental Compliance Program
Division of Water
Alaska Dept. of Environmental Conservation
410 Willoughby Avenue, Suite 303
PO Box 111800
Juneau, AK 99811-1800**