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
PO Box 111800
Juneau, Alaska 99811-1800
Main: 907-465-5300
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www.dec.alaska.gov

March 11, 2019

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

ADEC File Number 920.45.057
Re: **Authorization to Discharge 2013DB0004-0028, Norwegian Bliss**

Dear Ms. Ferguson-Brown:

The Alaska Department of Environmental Conservation (DEC) authorizes continued operation of the *Norwegian Bliss* under the Large Commercial Passenger Vessel Wastewater Discharge General Permit No 2013DB0004 (hereinafter 2014 GP), and has issued the enclosed Authorization 2013DB0004-0028. This authorization is updated for 2019 and removes the ammonia limits specified in 2018 based on sample data taken in the 2018 Alaska cruise season.

ADEC completed its original review of your Notice of Intent (NOI) and other related documentation submitted on April 20, 2018 for the *Norwegian Bliss*. Based upon its review and the submitted VSSP documentation, DEC authorizes the *Norwegian Bliss* for discharge of treated wastewater into Alaska marine waters as provided in the authorization letter; please, note the specific restrictions on mixing zones (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,

Edward E. White

Edward White
CPVEC (Cruise Ship) Program Manager

Enclosure: Authorization 2013DB0004-0028

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: 2013DB0004-0028

***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 11, 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:	Seahawk One, LTD

SECTION 2 – FACILITY INFORMATION	
ADEC File Number:	920.45.057
Authorization Number	*2013DB0004-0028*
Facility Name:	Norwegian Bliss
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.

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 2018, and any other applicable monitoring requirements in the General Permit
Discharge Monitoring Report (DMR)	The Norwegian Bliss 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

Edward E. White — *Signature*

3/11/2019 — *Date*

Edward E White — *Printed Name*

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): Rick Erickson, ALASKA AGENT	
Vessel Owner's Business Name: VIKING OCEAN CRUISES II LTD	
Mailing Address: CLARENDON HOUSE, 2 CHURCH STREET, HAMILTON HM11 BERMUDA	Phone: [redacted]
Representative: NICOALI SKOGLAND	Email: [redacted]
Vessel Owner's or Operator's Alaska Agent Information	
Company Name: Cruise Line Agencies of Alaska	
Mailing Address: 55 Schoenbar Court #101 Ketchikan, AK 99901, ALASKA	Phone: [redacted]
Representative: Rick Erickson	Email: [redacted]
Vessel Operator's Business Name if Different From the Owner's Business Name	
Vessel Operator's Business Name: WILHELMSEN SHIP MANAGEMENT (NORWAY) AS	
Mailing Address: STRANDVEIEN 20, 1366 LYSAKER, NORWAY	Phone: [redacted]
Representative: STEINAR JOHANNESSEN	Email: [redacted]

Vessel Information (Y/N)	
Are you seeking authorization to discharge with a mixing zone?	N
Are you seeking authorization to discharge while moving at 6 knots or greater?	Y
Are you seeking authorization to discharge while moving at under 6 knots?	Y
Are you seeking authorization to discharge while in Skagway at Broadway or Ore Docks?	Y
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:	VIKING ORION
Vessel IMO Number:	9796250
Vessel Gross Tonnage:	47861
Port of Registry:	BERGEN, NORWAY
Maximum Passenger Capacity per Voyage:	954
Maximum Crew Capacity per Voyage:	499
Vessel Draft[1]:	6.65 m
Vessel Length in Meters at Waterline[2]:	195.5 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
Contact's name, email address, and phone number:	BRETT FARRELL [redacted] [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]:	AWWTS	Location (Starboard/Port):	PORT
Discharge Port Internal Diameter:	127 mm	Discharge Port Centerline Vertical Distance from Keel:	3.75 m
Discharge Port Distance from Bow at Waterline (normal load):	29.67 m	Discharge Port Centerline Vertical Distance from Waterline (normal load)[4]:	2.3 m
Discharge Port shape (round, oval, square):	ROUND	Discharge Port Pump Capacity (m^3/hr) for each Pump[5]:	40 m3/H
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:	240 m3
	Maximum:	300 m3
	Startup Date:	16 MAY 2019
	Ending date:	24 AUG 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):	AWP - 25 SCANSHIP AS 1165 - AWP 2018 - 03 - 22
	Number of AWTS:	1
	Combined design capacity:	600 m3/d
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): ADVANCE WASTE PURIFICATION PLANT SCANSHIP AWP - 25 -600 m3/d - 700 kg/d BOD 1165 - AWP MAR 2018 Combined design capacity: 600 m3/d	
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): ADVANCE WASTE PURIFICATION PLANT SCANSHIP AWP - 25 -600 m3/d - 700 kg/d BOD 1165 - AWP MAR 2018 Combined design capacity: 600 m3/d	
Average volume of sewage generation per day in cubic meters;	50 m3	
Maximum volume of sewage generation per day in cubic meters;	80 m3	
Average graywater generation per day in cubic meters for the following sources;	Accommodations: 250 m3 Galley: 100 m3 Laundry: 120 m3 Other (list types and volumes): N/A	
Maximum graywater generation per day in cubic meters for the following sources;	Accommodations 300 m3 Galley 140 m3 Laundry 150 m3 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.

RETAINED SOLIDS FROM BIO REACTOR KNOWN AS BIOMASS, ARE DISCHARGED OUTSIDE 12 NM

[redacted]

Submit this Notice of Intent to:

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Division of Water
Alaska Dept. of Environmental Conservation
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PO Box 111800
Juneau, AK 99811-1800