THE STATE of ALASKA
GOVERNOR BILL WALKER

Department of Environmental Conservation

DIVISION OF WATER
Commercial Passenger Vessel Environmental Compliance
410 Willoughby Ave, Ste 303
PO Box 111800
Juneau, Alaska 99811-1800
Main: 907-465-5300
Fax: 907-465-5274
www.dec.alaska.gov

February 22, 2018

Dan Grabb
Holland America Group
450 3rd Avenue West
Seattle, WA 98119

ADEC File Number 920.45.051
Re: **Authorization to Discharge 2013DB0004-0027 Rev1, Emerald Princess**

Dear Mr. Grabb:

The Alaska Department of Environmental Conservation (DEC) authorizes operation of the *Emerald Princess* under the Large Commercial Passenger Vessel Wastewater Discharge General Permit No 2013DB0004 (hereinafter 2014 GP) in 2018, and has issued the enclosed revised Authorization 2013DB0004-0027.

DEC authorized the *Emerald Princess* for discharge of treated wastewater into Alaska marine waters for 2017. This authorization extends the permit coverage for 2018 and until the expiration of the General Permit in 2019. The *Emerald Princess* must take samples and meet the effluent limits found in the 2014 GP. Any changes made to the wastewater treatment installation or sampling 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 2013DB0004-0027 Rev 1

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: 2013DB0004-0027

***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 updated authorization effective date is **February 22, 2018**

The authorization to discharge shall expire at midnight, **on 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:	Princess Cruise Line, Ltd.

SECTION 2 – FACILITY INFORMATION	
ADEC File Number:	920.45.051
Authorization Number	*2013DB0004-0027*
Facility Name:	*Emerald Princess*
Type of Facility	Large Commercial Passenger Vessel
Type of Wastewater Authorized for Discharge:	Treated mixed, black and greywater.
Type of Wastewater Treatment System:	De Nora Ozone AWWTP
Type of Authorization:	Authorized for discharge of wastewater treated through a De Nora wastewater treatment system.
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.
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:	The *Emerald Princess* is not authorized for stationary discharge at Skagway, Alaska.
Monitoring Requirements	Table 6 and 7 of the General Permit including Receiving Water Monitoring, and WET testing if discharging while stationary, and any other applicable monitoring requirements in the General Permit.
Discharge Monitoring Report (DMR)	The *Emerald Princess* 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 not authorized.
Skagway Discharge at Ore or Broadway Docks	N/A, Skagway Discharge not authorized

SECTION 5 – ADDITIONAL TERMS AND CONDITIONS (GP 4.3.2)	
N/A	No additional terms and conditions

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

SECTION 6 – CERTIFICATION/SIGNATURE

Edward E. White — *Signature*

2/22/2018 — *Date*

Edward E White — *Printed Name*

EPM I, CPVEC ADEC — *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: Princess Cruise Line, Ltd.	
Mailing Address: 24305 Town Center Drive Santa Clarita, CA 91355	Phone: 661 753 2724
Representative: Konstantin Konstantinov	Email: kkonstantinov@hagroup.com
Vessel Owner's or Operator's Alaska Agent Information	
Company Name: Cruise Line Agencies of Alaska	
Mailing Address: 1330 Eastaugh Way #4 Juneau, AK 99801	Phone: 907-586-1282
Representative: Andrew Green	Email: Juneau@claalaska.com
Vessel Operator's Business Name if Different From the Owner's Business Name	
Vessel Operator's Business Name: Same as Above for "Vessel Owner Information"	
Mailing Address:	Phone:
Representative:	Email:

Vessel Information (Y/N)	
Are you seeking authorization to discharge with a mixing zone?	**Y**
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?	**N**

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:	Emerald Princess
Vessel IMO Number:	9333151
Vessel Gross Tonnage:	113561
Port of Registry:	Hamilton, Bermuda
Maximum Passenger Capacity per Voyage:	3573
Maximum Crew Capacity per Voyage:	1227
Vessel Draft[1]:	8.6 meters
Vessel Length in Meters at Waterline[2]:	254.8

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:	Marine Exchange of Alaska 907-463-2607 **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]:	PORT D	Location (Starboard/Port):	PORT
Discharge Port Internal Diameter:	250 mm	Discharge Port Centerline Vertical Distance from Keel:	6.7 m
Discharge Port Distance from Bow at Waterline (normal load):	215 m	Discharge Port Centerline Vertical Distance from Waterline (normal load)[4]:	1.9 m
Discharge Port shape (round, oval, square):	Round	Discharge Port Pump Capacity (m^3/hr) for each Pump[5]:	56 m3/hr x 2 pumps; or 150m^3/hr x 1 pump
Discharge Port Vertical Angle Relative to Waterline[6]:	-22°	Discharge Port Horizontal Angle Relative to Centerline[7]:	15°

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:	915 m3
	Maximum:	915 m3
	Startup Date:	05/15/2017
	Ending date:	09/22/2017

[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):	De Nora Ozone AWWTP (2017)
	Number of AWTS:	1 unit
	Combined design capacity:	915 m^3
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): De Nora Ozone AWWTP (2017) Combined design capacity: 115 m^3	
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): De Nora Ozone AWWTP (2017) Combined design capacity: 800 m^3	
Average volume of sewage generation per day in cubic meters;	115 m3	
Maximum volume of sewage generation per day in cubic meters;	115 m3	
Average graywater generation per day in cubic meters for the following sources;	Accommodations: 650 m^3 Galley: 200 m^3 Laundry: 150 m^3 Other (list types and volumes):	
Maximum graywater generation per day in cubic meters for the following sources;	Accommodations: 650 m^3 Galley: 200 m^3 Laundry: 150 m^3 Other (list types and volumes):	

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

Only solids produced by the system, are bagged at early stages of treatment and incinerated on board when incinerator usage is permitted.

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 Manager, Environmental Operations / Princess Cruise Line, Ltd	Date 04/04/2017

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