



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

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

May 8, 2019

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

ADEC File Number 920.45.033

Re: Authorization to Discharge 2013DB0004-0034 Rev1, Royal Princess

Dear Mr. Grabb,

The Alaska Department of Environmental Conservation (DEC) authorizes operation of the *Royal Princess* under the Large Commercial Passenger Vessel Wastewater Discharge General Permit No 2013DB0004 (hereinafter 2014 GP), and has issued the revised Authorization 2013DB0004-0034.

DEC has authorized the *Royal Princess* for underway discharge of treated wastewater into Alaska marine waters. This revised authorization allows for the discharge of treated graywater while stationary. The *Royal 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,

A handwritten signature in blue ink that reads "Edward S. White".

Edward White
CPVEC (Cruise Ship) Program Manager
Enclosure: Authorization 2013DB0004-0034 Rev1



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: 2013DB0004-0034

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 8, 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:	Princess Cruise Line, Ltd.
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SECTION 2 - FACILITY INFORMATION

ADEC File Number:	920.45.033
Authorization Number	2013DB0004-0034 Rev1
Facility Name:	Royal Princess
Type of Facility	Large Commercial Passenger Vessel
Type of Wastewater Authorized for Discharge:	Treated mixed, black and graywater underway. Treated graywater stationary and underway.
Type of Wastewater Treatment System:	Hamworthy AWTS
Type of Authorization:	Authorized for underway discharge of wastewater treated through a Hamworthy wastewater treatment system, authorized for stationary (speeds of 6 knots or less) discharge of treated graywater treated through a Hamworthy 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:	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 <i>Royal Princess</i> 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. Authorized for treated graywater.
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)	
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



Signature
 Edward E White

Printed Name

5/8/2019

Date
 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: [REDACTED]
Representative: Konstantin Konstantinov	Email: [REDACTED]
Vessel Owner's or Operator's Alaska Agent Information	
Company Name: Cruise Line Agencies of Alaska	
Mailing Address: [REDACTED] [REDACTED]	Phone: [REDACTED]
Representative: Andrew Green	Email: [REDACTED]
Vessel Operator's Business Name if Different From the Owner's Business Name	
Vessel Operator's Business Name:	
Mailing Address:	Phone:
Representative:	Email:

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?	No
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:	ROYAL PRINCESS
Vessel IMO Number:	958712
Vessel Gross Tonnage:	142,174
Port of Registry:	Hamilton, Bermuda
Maximum Passenger Capacity per Voyage:	4222
Maximum Crew Capacity per Voyage:	1378
Vessel Draft ¹ :	8.5m
Vessel Length in Meters at Waterline ² :	330m
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 [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 :	Permeate Discharge Port B	Location (Starboard/Port):	Starboard
Discharge Port Internal Diameter:	20cm	Discharge Port Centerline Vertical Distance from Keel:	6.2m
Discharge Port Distance from Bow at Waterline (normal load):	273m	Discharge Port Centerline Vertical Distance from Waterline (normal load) ⁴ :	2.1m below waterline
Discharge Port shape (round, oval, square):	Round	Discharge Port Pump Capacity (m ³ /hr) for each Pump ⁵ :	100m³/hour
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:	850m3/24hr
	Maximum:	950m3/24hr
	Startup Date:	12MAY19
	Ending date:	25SEP19

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):	Hamworthy Membrane Bioreactor Type III MBR 24 x 2 Built 2013
	Number of AWTS:	2
	Combined design capacity:	Max Capacity Hydraulic flow rate of each MBR -830m3/24hr
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): Hamworthy Membrane Bioreactor Combined design capacity: Max Capacity Hydraulic flow rate of BW MBR - 830m3/24hr	
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): Hamworthy Membrane Bioreactor Accommodation – 500 m3/24hr Combined design capacity: 830m3/24hr	
Average volume of sewage generation per day in cubic meters;	80m3/24hr	
Maximum volume of sewage generation per day in cubic meters;	100m3/24hr	
Average graywater generation per day in cubic meters for the following sources;	Accommodations: 500m3/24hr Galley: 250m3/24hr Laundry: 160m3/24hr Other (list types and volumes): N/A	
Maximum graywater generation per day in cubic meters for the following sources;	Accommodations: 600m3/24hr Galley: 300m3/24hr Laundry: 200m3/24hr 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 desludging of MBR systems will take place >12NM outside of Alaska permit 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

[Redacted Signature]

[Redacted Name]

Title/Company

Date

Senior Vice President Safety & Environmental Mgmt.
Services, Holland America Group

03MAY19

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**