



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  
Fax: 907-465-5274

March 13, 2019

Mr. John Hanley  
Royal Caribbean Cruises, Ltd.  
1050 Caribbean Way  
Miami, FL 33132

ADEC File Number 920.45.071

Re: **Authorization to Discharge 2013DB0004-0032, Ovation of the Seas**

Dear Mr. Hanley:

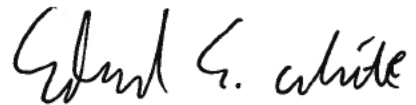
The Alaska Department of Environmental Conservation (DEC) authorizes operation of the *Ovation of the Seas* under the Large Commercial Passenger Vessel Wastewater Discharge General Permit No 2013DB0004 (hereinafter 2014 GP), and has issued the enclosed Authorization 2013DB0004-0032.

DEC reviewed your Notice of Intent (NOI) and other related documentation that Royal Caribbean submitted on March 11, 2019 for the *Ovation of the Seas*. Based upon that review and previous performance of the Scanship AWTS on other ships, DEC authorized the *Ovation of the Seas* for underway discharge of treated wastewater into Alaska marine waters. The *Ovation of the Seas* must take samples and meet the effluent limits found in Tables 3 and 5 of the 2014 GP if discharging into Alaskan waters. All other permit conditions and deadlines must be met. 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](mailto:edward.white@alaska.gov) or (907) 465-5138.

Sincerely,

A handwritten signature in black ink, appearing to read "Edward G. White". The signature is written in a cursive, flowing style.

Edward White  
CPVEC (Cruise Ship) Program Manager

Enclosure: Authorization 2013DB0004-0032



## 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: 2013DB0004-0032**

**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 13, 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

<b>Issued to:</b>	Ovation of the Seas, Inc. c/o Royal Caribbean Cruises Ltd.
-------------------	--

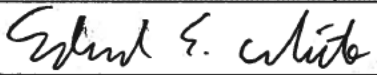
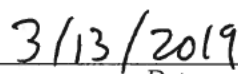
### SECTION 2 - FACILITY INFORMATION

<b>ADEC File Number:</b>	920.45.071
<b>Authorization Number</b>	2013DB0004-0032
<b>Facility Name:</b>	Ovation of the Seas
<b>Type of Facility</b>	Large Commercial Passenger Vessel
<b>Type of Wastewater Authorized for Discharge:</b>	Treated wastewater
<b>Type of Wastewater Treatment System:</b>	Scanship AWP 60, Build 2016 Type II AWTS
<b>Type of Authorization:</b>	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.

<b>SECTION 3 – REGULATED DISCHARGE INFORMATION – EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS</b>	
<b>Effluent Compliance Point:</b>	Wastewater effluent sampling port(s) identified in the Department approved Vessel Specific Sampling Plan and Notice of Intent.
<b>Effluent Limitations</b>	Table 3 of the General Permit for discharges underway at speeds greater than 6 knots.
<b>Special Conditions:</b>	None
<b>Monitoring Requirements</b>	Table 5 of the General Permit, and any other applicable monitoring requirements in the General Permit
<b>Discharge Monitoring Report (DMR)</b>	The Ovation of the Seas 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.

<b>SECTION 4 – RECEIVING AREA INFORMATION-RECEIVING WATER</b>	
<b>Receiving Area Name:</b>	Marine waters of the state of Alaska as defined in the General Permit
<b>Underway Mixing Zone Description:</b>	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.
<b>Stationary Mixing Zone Description:</b>	Not authorized.
<b>Skagway Discharge at Ore or Broadway Docks</b>	Not authorized.
<b>SECTION 5 – ADDITIONAL TERMS AND CONDITIONS (GP 4.3.2)</b>	
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.

<b>SECTION 6 – CERTIFICATION/SIGNATURE</b>	
	
<i>Signature</i>	<i>Date</i>
Edward E White	EPM I, ADEC CPVEC
<i>Printed Name</i>	<i>Title</i>

**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):  
Owner & Operator

Vessel Owner's Business Name: Ovation of the Seas, Inc. c/o Royal Caribbean Cruises Ltd.

Mailing Address:

Building 3, The Heights, Brooklands  
Weybridge, Surrey KT13ONY  
United Kingdom

Phone:

[REDACTED]

Representative: Manolis Kasselas

Email:

[REDACTED]

**Vessel Owner's or Operator's Alaska Agent Information**

Company Name: RCL Cruises, Ltd.

Mailing Address:

Building 3, The Heights, Brooklands  
Weybridge, Surrey KT13ONY  
United Kingdom

Phone:

[REDACTED]

Email:

[REDACTED]

Representative: Manolis Kasselas & John Hanley

Email:

[REDACTED]

**Vessel Operator's Business Name if Different From the Owner's Business Name**

Vessel Operator's Business Name: RCL Cruises Ltd.

Mailing Address:

Building 3, The Heights, Brooklands  
Weybridge, Surrey KT13ONY  
United Kingdom

Phone:

[REDACTED]

Representative: Manolis Kasselas & John Hanley	Email: [REDACTED] [REDACTED]
--	---------------------------------



<b>Vessel Information (Y/N)</b>	
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?	N
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:	Ovation of the Seas
Vessel IMO Number:	9697753
Vessel Gross Tonnage:	168,666
Port of Registry:	Nassau, Bahamas
Maximum Passenger Capacity per Voyage:	5011
Maximum Crew Capacity per Voyage:	1551
Vessel Draft <sup>1</sup> :	8.1 m/26' 7" (min) 8.8 m/28' 10" (max)
Vessel Length in Meters at Waterline <sup>2</sup> :	321.1 m / 1053.5 ft
<b>Vessel Tracking</b>	
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 1050 Harbor Way Juneau, AK 99801
Contact's name, email address, and phone number:	Rick Sypeck Maritime Information Specialist Marine Exchange of Alaska Desk: (b)(6) Cell: (907) (b)(6) Email: (b)(6) Website: <a href="http://www.mxak.org">www.mxak.org</a>

<sup>1</sup> 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.)

<sup>2</sup> 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 <sup>3</sup> :	761A3057	Location (Starboard/Port):	Port
Discharge Port Internal Diameter:	5 inches	Discharge Port Centerline Vertical Distance from Keel:	3.5 meters
Discharge Port Distance from Bow at Waterline (normal load):	250 meters	Discharge Port Centerline Vertical Distance from Waterline (normal load) <sup>4</sup> :	5.3 meters
Discharge Port shape (round, oval, square):	round	Discharge Port Pump Capacity (m <sup>3</sup> /hr) for each Pump <sup>5</sup> :	120 m3 /hour
Discharge Port Vertical Angle Relative to Waterline <sup>6</sup> :	70 °	Discharge Port Horizontal Angle Relative to Centerline <sup>7</sup> :	Above 20°

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:	1100 m3 /day
	Maximum:	1200 m3/day
	Startup Date:	May 14, 2019
	Ending date:	Sep 18, 2019

<sup>3</sup> Name or identification as used in VSSP and Waste Water Discharge Logbook.

<sup>4</sup> Vertical distance from the vertical centerline of the discharge port relative to the standard (loaded) conditions waterline.

<sup>5</sup> 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.

<sup>6</sup> 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).

<sup>7</sup> 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 AS, AWP60  Year built: 2016
	Number of AWTS:	1
	Combined design capacity:	1566 m3/day
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 AS, AWP60  2016  Combined design capacity: 1566 m3	
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):  Same as Sewage Treatment System  Combined design capacity: 1566 m3	
Average volume of sewage generation per day in cubic meters;	100 m3	
Maximum volume of sewage generation per day in cubic meters;	110 m3	
Average graywater generation per day in cubic meters for the following sources;	Accommodations: 260 m3  Galley: 270 m3  Laundry: 170 m3  Other (list types and volumes):  Recreational Water Facilities 370 m3  Washing of decks and general maintenance 30m3	
Maximum graywater generation per day in cubic meters for the following sources;	Accommodations: 410 m3  Galley 300 m3  Laundry 195 m3  Other (list types and volumes):  Recreational Water Facilities 420 m3  Washing of decks and general maintenance 35m3	

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

Bio waste de-watered and accumulated in Bio Waste Holding silos are either pumped overboard when ship is in Sea Condition (outside 13 nm from the nearest baseline and minimum ship's speed 7 knots) or subsequent dried and incinerated by using type approved onboard incinerators.

**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.

**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