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: 2013DB0004-0004

***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 **February 24, 2016.**

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:	Mariner LLC (Norwegian Cruise Lines Holdings Ltd)

SECTION 2 – FACILITY INFORMATION	
ADEC File Number:	920.45.001
Authorization Number	*2013DB0004-0019*
Facility Name:	*Seven Seas Mariner*
Type of Facility	Large Commercial Passenger Vessel
Type of Wastewater Authorized for Discharge:	Treated Wastewater (Blackwater and Graywater)
Type of Wastewater Treatment System:	Hamworthy AWTS as listed in VSSP
Type of Authorization:	Authorized for underway discharge of wastewater treated through the Hamworthy wastewater treatment system configuration as approved by the Department in the current Vessel Specific Sampling Plan.

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
Special Conditions:	The *Seven Seas Mariner* is authorized to discharge treated wastewater into Alaska marine waters while underway at speeds above 6 knots.
Monitoring Requirements	Table 5 of the General Permit, and any other applicable monitoring requirements in the General Permit
Discharge Monitoring Report (DMR)	The *Seven Seas Mariner* 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:	N/A
Skagway Discharge at Ore or Broadway Docks	N/A, underway discharge only

SECTION 5 – ADDITIONAL TERMS AND CONDITIONS (GP 4.3.2)	
Item	No additional terms or conditions

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

Edward E. White
Signature

2/24/2016
Date

Edward E White
Printed Name

EPS III, 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: MARINER LLC	
Mailing Address: Trust company complex 7665 Corporate Center Drive Miami, FL 33126	Phone: 305-436-4000
Representative: Robin Lindsay	Email: rlindsay@nclcorp.com
Vessel Owner's or Operator's Alaska Agent Information	
Company Name: Cruise Line Agencies of Alaska (CLAA)	
Mailing Address: PO Box 2469 913 Port Avenue Seward, AK, 99664	Phone: 907 225 0999
Representative: Robert Arts	Email: swdops@claa.com
Vessel Operator's Business Name if Different From the Owner's Business Name	
Vessel Operator's Business Name: Norwegian Cruise Lines Holdings Ltd.	
Mailing Address: 7665 Corporate Center Drive Miami, FL 33126	Phone: 305-436-4000
Representative: Robin Lindsay	Email: rlindsay@nclcorp.com

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?	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:	Seven Seas Mariner
Vessel IMO Number:	9210139
Vessel Gross Tonnage:	48075
Port of Registry:	Nassau
Maximum Passenger Capacity per Voyage:	769
Maximum Crew Capacity per Voyage:	431
Vessel Draft[1]:	7.0
Vessel Length in Meters at Waterline[2]:	192

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:	Rick Sypeck ricksypeck@mxak.org (907)463-2607

[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]:	V/V 2550	Location (Starboard/Port):	Starboard
Discharge Port Internal Diameter:	100 mm	Discharge Port Centerline Vertical Distance from Keel:	3 Meters
Discharge Port Distance from Bow at Waterline (normal load):	170 m	Discharge Port Centerline Vertical Distance from Waterline (normal load)[4]:	4 Meters
Discharge Port shape (round, oval, square):	Round	Discharge Port Pump Capacity (m^3/hr) for each Pump[5]:	15
Discharge Port Vertical Angle Relative to Waterline[6]:	30	Discharge Port Horizontal Angle Relative to Centerline[7]:	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:	367
	Maximum:	390
	Startup Date:	12 May 2016
	Ending date:	29 August 2016
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):	Hamworthy Membrane BioReactors Type MBR 240C (type II). 2001

[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:	2
	Combined design capacity:	360x2= 720 cbm
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 BioReactors Type MBR 240C (type II) 2001 Combined design capacity: 360x2= 720 cbm	
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 BioReactors Type MBR 240C (type II) 2001 Combined design capacity: 360x2= 720 cbm	
Average volume of sewage generation per day in cubic meters;	17	
Maximum volume of sewage generation per day in cubic meters;	20	
Average graywater generation per day in cubic meters for the following sources;	Accommodations: 150 Galley: 105 Laundry: 95 Other (list types and volumes):	
Maximum graywater generation per day in cubic meters for the following sources;	Accommodations: 160 Galley: 110 Laundry: 100 Other (list types and volumes):	

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

To the Shore- side Facilities or At sea at a distance greater than 12 nm, as 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 James Mitchell
Title/Company Vice President, Environment, Medical Policy & Public Health	Date 02/23/16

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