



## Discharge Monitoring Report (DMR) for Large Cruise Ships

<b>General Permit #2013DB0004</b>		Expires 8/28/2019		Submit this report to:  <b>Alaska Department of Environmental Conservation</b> Division of Water/ CPVEC 410 Willoughby Ave, Suite 303 PO Box 111800 Juneau, AK 99811-1800  <a href="mailto:DEC.WQ.Cruise@alaska.gov">DEC.WQ.Cruise@alaska.gov</a>			
<b>File Number:</b>							
<b>Authorization #:</b>							
<b>DMR Month:</b>							
<b>Treatment system:</b>							
<b>Name:</b>							
<b>Address:</b>							
<b>Vessel:</b>				<b>Responsible party:</b>			
<b>Primary Contact:</b>				<b>Phone:</b>			
<b>Sample #</b>	<b>Date</b>	<b>Underway? (Y/N)</b>	<b>Location (Lat /Long in decimal degrees or city name if docked)</b>	<b>Discharge port</b>			
1							
2							
3							
4							
5							
If additional samples were taken, list the date, location, port used, and whether it was an underway sample on an attached sheet.							
<b>Were there any discharges during this reporting period (Yes/No)?</b>							
<b>Were there any discharges from the vessel while it was docked, anchored, or moving at less than 6 knots during this reporting period (Yes/No)?</b>							
<b>Total volume discharged in Alaskan waters (in cubic meters)</b>							
<b>Total volume discharged to shore facilities in Alaska (in cubic meters)</b>							
<b>Required Reporting Frequency: This report is due on the 21<sup>st</sup> day of the following calendar month.</b>							

Parameter		Min. Value	Monthly Average	Daily Maximum	# of Analyses	Number of Violations	Units	Min. Frequency
Total Flow (cubic meters per day of effluent)	Results						m <sup>3</sup> /day	Daily
	Permit Limits	N/A	N/A	Not to exceed maximums in VSSP and NOI	# of days	report		

**Less than 6 Knots (vessels with authorized mixing zone)**

Parameter	Permit Limits	Min Value	Monthly Average	Daily Maximum	Number of Analyses	Number of Violations	Units	Min. Frequency
Ammonia	78 mg/L						mg/L	Twice per month
Dissolved Copper	77 µg/L						µg/L	
Hardness	N/A					N/A	mg/L	
Specific Conductance	None					N/A	µmhos/cm	
Biochemical Oxygen Demand (5-day)	Results						mg/L	
	Permit Limits	N/A	30 mg/L	60 mg/L				
Receiving Water	None	Attach laboratory report				N/A	N/A	Twice a Year
Whole Effluent Toxicity (composite)	None	Attach laboratory report if available, if unavailable by DMR deadline submit a copy of the sample event chain of custody with this DMR and submit the laboratory report electronically within 7 days of completion				N/A	NOEC	Once a month in year 3

**6 Knots or Greater (vessels with authorized mixing zone)**

Parameter	Permit Limits	Min Value	Monthly Average	Daily Maximum	Number of Analyses	Number of Violations	Units	Min. Frequency
Ammonia	130 mg/L						mg/L	Twice per year
Biochemical Oxygen Demand (5-day)	Results						mg/L	
	Permit Limits	N/A	30 mg/L	60 mg/L				
Hardness	N/A					N/A	mg/L	
Specific Conductance	None					N/A	µmhos/cm	

**All Speed Conditions and Vessels Permitted to Discharge without a Mixing Zones**

Parameter		Min. Value	Monthly Geometric Mean	Daily Maximum	Number of Analyses	Number of Violations	Units	Min. Frequency
Fecal Coliform Bacteria	Results						FC/100 ml	Twice per month
	Permit Limits	N/A	14 per 100 mL	43 per 100 mL	report	report		

Parameter		Min. Value	Monthly Average	Daily Maximum	Number of Analyses	Number of Violations	Units	Min. Frequency
Total Suspended Solids (TSS)	Results						mg/L	Twice per month
	Permit Limits	N/A	30 mg/L	150 mg/L				

Total Residual Chlorine	0.0075						mg/L	Twice per Month
Free Chlorine	None					N/A		
Temperature	None					N/A	°C	
pH	Min. 6.0, Max. 9.0		N/A				Std. Units	
Settleable Solids (SS)	None					N/A	mg/L	Twice in year 2017 and Twice in first year (unless sampled under 2010 GP)
Chemical Oxygen Demand	None					N/A	mg/L	
Nitrate-Nitrite (N-NO3)	None					N/A	mg/L	
Total Phosphorus	None					N/A	mg/L	
Total Kjeldahl Nitrogen (TKN)	None					N/A	mg/L	
Alkalinity	None					N/A	mg/L	
Hardness	None					N/A	mg/L	
Oil & Grease	None					N/A	mg/L	
Total Organic Carbon	None					N/A	mg/L	
Base-Neutral Acid extractables (BNA)	None	attach laboratory report				N/A	µg/L	
Volatile Organic Compounds (VOCs)	None	attach laboratory report				N/A	µg/L	
Dissolved and Total Recoverable Metals and Mercury	None	attach laboratory report				N/A	µg/L	

Has there been any deviation from the approved QAPP? (Y/N – If yes, explain below.)

Is the VSSP accurate? (Y/N)

Has there been any deviation from the approved VSSP? (Y/N – If yes, explain below.)

### Certification

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.

NAME, TITLE of Responsible Corporate Official

SIGNATURE of Responsible Corporate Official

DATE

TELEPHONE

COMMENT AND EXPLANATION OF ANY VIOLATIONS AND DETAILS OF CORRECTIVE ACTIONS (REFERENCE ALL ATTACHMENTS HERE)