



Interreg North Sea Region

Questionnaire

i What is the country or navigation regent for which you fill in this form?

1) Measures to prevent discharges of waste water

i a. Is known what number of boats has an installed device like a holding tank or a chemical toilet to prevent discharge of black-, grey- and bilgewater? If not, can you give estimation? Is known how much waste water is discharged by pleasure boats in a year?

Waste/sewage water	number of boats which have a storing device (numbers or %)	discharged amount of wastewater(m ³)
<input type="checkbox"/> blackwater		
<input type="checkbox"/> greywater		
<input type="checkbox"/> bilgewater		
remarks:		

i b. Measures are taken to prevent discharges from pleasure boats like installing a holding tank or a chemical toilet. What kinds of measures are taken and how many?

storing facilities on board	containing			number of storing facilities on board
	black water	grey water	bilge water	
<input type="checkbox"/> holding tank (no pump for pumping water into disposal facilities)				
<input type="checkbox"/> holding tank (with pump for pumping water into disposal facilities)				
<input type="checkbox"/> toilet waste retention system/sewage system				
<input type="checkbox"/> dry toilet				
<input type="checkbox"/> chemical toilet				
<input type="checkbox"/> device for storing bilge water				
other, please specify <input type="checkbox"/>				
remarks:				

i c. Are there facilities to dispose of the sewage (after storing it on board)? How many and what kind of water is disposed and how much?

disposal points / pump-out facilities	number of disposal points	possibility disposing			discharged (m ³)		
		black water	grey water	bilge water	black water	grey water	bilge water
<input type="checkbox"/> disposal point / pump-out facility (with pump for sucking water out of holding tank into disposal facility)							
<input type="checkbox"/> disposal point / pump-out facility (no pump for sucking water out of holding tank into disposal facility)							
<input type="checkbox"/> sanitary station for emptying chemical toilets/dry toilets							
other, please specify <input type="checkbox"/>							

remarks:

d. Where are they located?

Location	number of disposal points/pump-out facilities
<input type="checkbox"/> coastal water / brackish water	
<input type="checkbox"/> river(fresh water) / canal	
<input type="checkbox"/> fresh inland water / lake	
<input type="checkbox"/> harbour(s)	
other, please specify <input type="checkbox"/>	
remarks:	

i e. After using the disposal facilities/pump-out facilities the water is merely pumped ashore into a sewage system. Is black-, grey- and bilgewater treated before discharged into open water? How is it treated? If not, where are discharging points and why is water not treated?

how much water treated (m ³) (m ³)
how treated ?	<input type="checkbox"/> oil water divider
	<input type="checkbox"/> sewage plant
	<input type="checkbox"/> public/municipal sewage system
	other, please specify <input type="checkbox"/>
how much sewage not treated (m ³) (m ³)
were discharged?	<input type="checkbox"/> coastal water / brackish water
	<input type="checkbox"/> river(fresh water) / canal
	<input type="checkbox"/> fresh inland water / lake
	<input type="checkbox"/> harbour(s)
	other, please specify <input type="checkbox"/>
remarks:	

i f. Who is responsible for installing disposal points/pump-out facilities, treating and discharging wastewater (black-, grey- and bilgewater)? What is paid by whom?

Responsibility	Who is responsible for maintenance and exploitation	Who is responsible for locating and defrayment
Installing holding tanks		
Installing disposal points / pump-out facilities		
Treating and discharging blackwater		
Treating and discharging greywater		
Treating and discharging bilgewater		
remarks:		

2) Legislation

Many countries have regulations which forbid the discharge of blackwater, greywater and bilgewater directly from boats into the open water (sea or inland water). A list of known regulations from different countries is enclosed as appendix B.

- i** a. If your country does have specific regulations is it similar to the information given in Appendix B? If not, what is the right information?

Similar yes/no

What kind of water may not be discharged and could you give a supplement to the regulations?

Blackwater:

Greywater:

Bilgewater:

- b. Are these regulations adjusted to the different water systems /regions or even related to specific places? If yes, how?

coastal water / brackish water

river(fresh water) / canal

fresh inland water / lake

Other, please specify

remarks:

- i** c. How are regulations: implemented juridical, implemented within the water sport industry and inspected and how is adherence to rules? See appendix C for examples of signs.

how are regulations...	for blackwater	for greywater	for bilgewater
implemented juridical			
implemented within the water sport industry (signs* / folders etc.)			
inspected by authorities			
adherence to rules by operators and water sportsmen			
remarks:			
* appendix C; examples of signs			

- d. Is there any relation with existing regulations, the Water Framework Directive and the Swimming Water Directive (see appendix B)? Is it desirable to anticipate with existing regulations on these directives in the future?

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- e. Do you have a necessity of international agreements on waste water? Would there be a difference in blackwater, greywater and bilgewater?

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- f. How is the watersport sector informed and involved?

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- g. What kind of developments/trends can be expected in the future?

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3) Environmental-technical research

In general water and soil of harbours, rivers, etc. have become increasingly polluted with the discharge of sewage and industrial waste. Untreated sewage is a health hazard (by causing diseases) and because breaking down of sewage requires oxygen (BOD*) which is a hazard to the aquatic system.

- a. If these problems are familiar and any research has been done in your country or regent and results are available, would it be possible for you to give a brief summary of the conclusions (containing: pollution (chemical and bacterial), source, extension and water system or source)?

location	what kind of pollution	pollution source	pollution value (concentration)	extension
no water system specified				
coastal water / brackish water				
river(fresh water) / canal				
fresh inland water / lake				
other, please specify				
remarks: * biochemical oxygen demand				

- b. Discharge of waste water of pleasure boats contribute (minor) to pollution. Is known for what amount pleasure boats contribute annually and in summer with high temperatures (peaks). What about meeting the water quality standards at swimming locations and do you have specific local measurements?

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4) General part

- a. Please give an estimation of the number of pleasure boats in your regent or country. If possible, separate in different water systems and groups.

name navigation authority or country	water system			number of open boats	number of cabin cruisers and motor yachts
	coastal water brackish water	river(fresh water) / canal	fresh inland water / lake		

remarks:					

5) Opinion

- a. What is your opinion on the subject (collecting blackwater, greywater and bilgewater in order to improve the environment)?

- b. What is your opinion on developments on the subject and the desired developments?

- c. What is your opinion on promotion and education of water sportsmen?

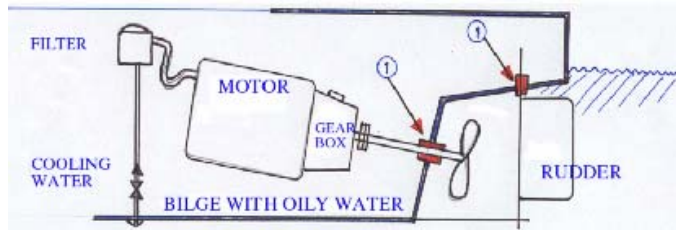
- d. What do you think of common responsibility and adherence to regulations?

Name.....

Organisation.....

Appendix A: TERMS AND EXPLANATIONS

Bilgewater Oil contaminated wastewater containing possibly: lubricant, leak water from propeller shaft, propeller shaft oil, diesel oil or petrol and cooling water



Blackwater Toilet waste water
Greywater Wastewater from sinks, showers and washing machines



Chemical toilet A toilet with a tank containing a chemical solution or organic enzymes

Disposal point Stationary pump for collecting sewage water and bilgewater

Dry toilet Self contained waterless toilet

Holding tank Tank for storing waste water on board

Oil/water divider or separator Eliminates trace oil from your wastewater

Pleasure boat Open boat, cabin cruisers and motor yachts for recreational means

Public/municipal sewage system Pipe system for transporting sewage to be treated elsewhere

Pump-out facility Stationary pump for collecting sewage water and bilgewater

Sewage plant Treating sewage on location