

Summary of Waste management plan for ship generated waste, Copenhagen Malmö Port, Copenhagen

Cruise ships 2021

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Section 6. Oily tank washings

Section 7. Exhaust gas-cleaning residues - Scrubber (fluid) and AEP scrubber effluents (fluid)

Section 8. Sewage (Black water and Grey water)

Section 9. Garbage

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- Large waste for pre-sorting
- CMP recycling facility at Oceankaj
- CMP Waste receipts

Section 10. Hazardous waste

Section 11. Incinerator ash, Scrubber (solid), Black water residues (solid), Grey water residues (solid), Fire extinguisher and Emergency pyrotechnics/ MOB smoke floats

Annex 1 CMP Waste order form 2021

CMP Waste receipt 2021 - Garbage and Hazardous waste

CMP Waste receipt 2021 - CMP recycling facility at Oceankaj

For further and more detailed information, please see "Waste management plan for ship generated waste, Copenhagen Malmö Port, Copenhagen" at www.cmpport.com

Section 5. Oily residues (Sludge)

In accordance with the Act on the Protection of the Marine Environment Chapter 2 Section 11, the discharge of oil must not take place in Danish territorial waters.

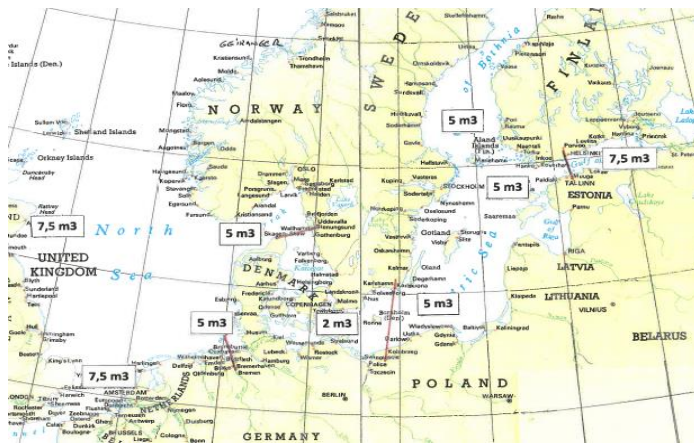
CMP does NOT receive oily waste containing emulsifiers that prevent separation into an oil phase and a water phase.

Reception under "no special fee" is on condition that:

- The ship delivers shipside at a pumping capacity of at least 7.5 m³ per hour.
- Tankers have unimpeded access to and from the collection point without delay.
- The ship is equipped with a standard flange, as shown in the Waste management plan, table on page 7.

Guidelines for maximum offloading quantity under "no special fee" arrangement (when the last port of call before Copenhagen is a port in the Baltic Sea, the Kattegat, the Skagerrak, the North Sea and the English Channel):

<u>Kattegat</u> - within a line from Skagen to Wallhamn (both ports included)	2 m ³
<u>Limfjorden, Østersøen</u> - within a line from Karlskrona to Kolobrzeg (both ports included)	2 m ³
<u>Skagerrak, the Baltic Sea, the Gulf of Bothnia, Esbjerg</u>	5 m ³
<u>Hamburg, Bremen/ Bremerhaven</u>	5 m ³
<u>Gulf of Finland</u>	7.5 m ³
<u>UK North Sea ports, the Netherlands, Belgium and French and English Channel ports</u>	7,5 m ³
<u>Norwegian ports North of Bergen</u>	7,5 m ³



For ships arriving from other ports, the maximum quantity that may be offloaded under "no special fee" is calculated as follows, where B is the vessel's BHP in 1,000s and H is the number of hours of sailing from the last port of call.

$$B \times H \times 1/200 \text{ m}^3$$

If the vessel's engine power is given in kW, multiply by 1.36 to obtain BHP. The amount calculated is rounded up to the nearest whole number.

If, with reference to the above calculation method, a vessel can demonstrate that it has generated more than the amount stated above, the generated amount will be accepted.

Section 6. Oily tank washings


In accordance with the Act on the Protection of the Marine Environment Chapter 2 Section 11, the discharge of oil must not take place in Danish territorial waters.

Payment for reception of waste

The costs of disposing are borne by the ship and charged in accordance with CMP's List of charges.

Special provisions

- Oily tank washings must NOT contain petrochemicals.
- The ship must complete **Annex 3**, which is to be submitted in advance with **Annex 1**.
- The ship must be equipped with a standard flange, as shown in the Waste management plan, table on page 7.



**Annex 3 Oily tank washings and Scrubber (fluid)
Exhaust gas-cleaning residues – Scrubber (fluid)
AEP scrubber effluents (fluid)**

(Information for vendor purpose only)

Name of ship name: Berth no.

IMO number:

Last 3 cargoes:

Product information		Estimated amount (m ³)
Residues of oil and oil mixture	1. Oil	<input type="text"/>
	2. Mixture	<input type="text"/>
	3. Does the oil contain emulsifier?	Yes: <input type="text"/> No: <input type="text"/>
	4. Hazard class (national) flashpoint: I <21°, II <50°, III <100°	I <input type="text"/> II <input type="text"/> III <input type="text"/>
	5. Any chemicals other than emulsifier and standard additives?	Yes: <input type="text"/> No: <input type="text"/>
Describe the chemicals:		<input type="text"/>
Exhaust gas-cleaning residues – Scrubber (fluid)	PH value: <input type="text"/> (PH 5,5 – 8,5)	<input type="text"/>
AEP scrubber effluents (fluid)	Conductivity: <70 mS/cm Density: 1,2 g/ml COD: < 20.000 mg/l Total-Nitrogen: <1.000 mg N/l Sulfur: <25	<input type="text"/>

I hereby declare that the above stated amount of liquid residues is correct and in accordance with the Reception facilities for ship-generated waste in areas operated by Copenhagen Malmö Port in Copenhagen.

Delivery Date: Time: Name/ Signature:


Section 7. Exhaust gas-cleaning residues - Scrubber (fluid) and AEP scrubber effluents (fluid)

Payment for reception of waste

The costs of disposing are borne by the ship and charged in accordance with CMP's List of charges.

Special provisions

- The ship must complete **Annex 3**, which is to be submitted in advance with **Annex 1**.
- The PH value is between PH 5,5 – 8,5 NEW !
Conductivity: <70 mS/cm
Density: 1,2 g/ml
COD: < 20.000 mg/l
Total-Nitrogen: <1.000 mg N/l
Sulfur: <25
- The ship must be equipped with a standard flange, as shown in the Waste management plan, table on page 7.



Annex 3 Oily tank washings and Scrubber (fluid)
Exhaust gas-cleaning residues – Scrubber (fluid)
AEP scrubber effluents (fluid)

(Information for vendor purpose only)

Name of ship name: Berth no.

IMO number:

Last 3 cargoes:

Product information		Estimated amount (m ³)
Residues of oil and oil mixture	1. Oil	<input type="text"/>
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	3. Does the oil contain emulsifier?	Yes: <input type="text"/> No: <input type="text"/>
	4. Hazard class (national) flashpoint: I <21°, II <50°, III <100°	I <input type="text"/> II <input type="text"/> III <input type="text"/>
	5. Any chemicals other than emulsifier and standard additives?	Yes: <input type="text"/> No: <input type="text"/>
Describe the chemicals:		<input type="text"/>
Exhaust gas-cleaning residues – Scrubber (fluid)	PH value: <input type="text"/> (PH 5,5 – 8,5)	<input type="text"/>
AEP scrubber effluents (fluid)	<i>Conductivity: <70 mS/cm</i> <i>Density: 1,2 g/ml</i> <i>COD: < 20.000 mg/l</i> <i>Total-Nitrogen: <1.000 mg N/l</i> <i>Sulfur: <25</i>	<input type="text"/>

I hereby declare that the above stated amount of liquid residues is correct and in accordance with the Reception facilities for ship-generated waste in areas operated by Copenhagen Malmö Port in Copenhagen.

Delivery Date: Time: Name/ Signature:

Section 8. Sewage (Black water and Grey water)

In accordance with the Danish Act on the Protection of the Marine Environment Chapter 6 Section 20, the discharge of sewage (drainage or other waste from toilets, hospital rooms and spaces containing live animals) may only take place in Danish territorial waters and in the Baltic Sea area on condition that:

- The discharge is performed using an approved system for treatment of sewage and the wastewater discharged from the system produces no visible traces in the sea,
- The wastewater is comminuted and disinfected in an approved system and the discharge takes place at a distance of more than 4 nautical miles from the nearest land or
- Discharge takes place at a distance of more than 12 nautical miles from the nearest land. Furthermore, if the discharge is performed from a tank for the collection and storage of sewage, the ship or platform's speed shall be at least 4 knots, and the discharge shall be done at a moderate rate.


At Oeankaj discharge direct to CMP's reception facility on the quay, and delivered from here on to the municipal treatment plant.

Special provisions

Before delivery to CMP's reception facility, **Annex 4** must be signed by the ship.

Reception under "no special fee" is on condition that:

- The ship delivers shipside at a pumping capacity of at least 50 m³ per hour.
- Tankers have unimpeded access to and from the offloading point without delay.
- The ship is equipped with a standard flange, as shown in the Waste management plan, table on page 11.



Annex 4 Sewage (Black water and Grey water)

Name of ship: Berth no.

IMO number:

Estimated volume of Sewage m³: Treated wastewater m³:

- Maximum discharge rate (max 300 m³ hour)
- In the event of heavy rain, discharging will not be effected to the pipe system
- Please be informed that CMP will not keep watch during pumping. If any problems call Port Office at VHF channel 12 or Phone +45 35 46 11 38
- Hose flushing shall be done from the ship

I hereby declare that Sewage/ Treated wastewater pumped ashore is free from contamination of other waste or products, such as oily waste, chemicals, or other substances that can be harmful to sewage treatment plant and the marine environment.

Delivery Date: Time: Name/ Signature:

Section 9. Garbage

In accordance with the Act on the Protection of the Marine Environment Chapter 7 Sections 21 and 22, the discharge of garbage, apart from fresh fish or parts thereof, must not take place in Danish territorial waters. In the Baltic Sea area and the North Sea area, food waste may only be discharged, if the discharge takes place at least 12 nautical miles from the nearest land.

Reception under "no special fee" is on condition that:

- The container for small waste and food waste does NOT contain any kind of Large waste for presorting, hazardous waste or compacted bales larger than 100x50x50 cm. - Items larger than 100x50x50 cm can get stuck in the furnace feed chute at the incineration facility and cause a stoppage.
- Large waste for pre-sorting does NOT contain any kind of loose bags or other loose waste with food residues.

Small waste and food waste for incineration



YES please:

- Small waste and food waste in clear plastic bags
- Dirty plastic
- Wet cardboard
- Dry waste



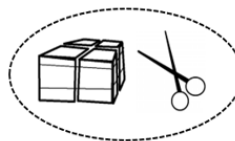
Small waste and food waste for incineration are collected in clear plastic bags with a **maximum size 100x50x50 cm**, which is the maximum allowed size at the incineration plant!

Maximum waste height to the hatch of the container - 13 tons.



NO thanks:

- Pallets
- Compacted bales larger than 100x50x50 cm
- Hazardous waste



Large waste for pre-sorting



YES please:

- Wooden pallets for recycling.
- Broken pallets are collected as scrap wood - Bailed on pallets.
- Clean plastic - Sorted in rigid plastic, soft plastic and PET bottles.
- Dry and clean Cardboard - Bailed on pallets.
- Glass for recycling (NO crockery or mirror) - Collected in big bags - Write waste type, ship name and date on the big bag!
Colored and clear glass can stay together, and the lid can stay on.
- Crockery for landfill (NO glass) - Collected in big bags - Write waste type, ship name and date on the big bag!
- Iron, metal, aluminium, tin cans - Bailed on pallets or in big bags.
- Mooring lines, steel wire - Bailed on pallets.
- Furniture, carpets, mattresses etc.



Large waste for pre-sorting are collected in cardboard boxes, big bags or bailed on pallets that can be taken by forklift into the open red container.

formaterede: Skriftfarve: Havgrøn



NO thanks:

- Waste bags
- Loose plastic bags
- Waste bailed with food residues



CMP recycling facility at Oceankaj

At Oceankaj, CMP has a small reception and recycling facility for wooden pallets, clean plastic, dry and clean cardboard, glass, crockery, iron, metal, aluminium and tin cans, electronics, batteries, accumulator, light bulbs and fluorescent lamps. All collected by a waste company as Large waste for pre-sorting

CMP Waste receipts

- CMP Waste receipt 2021 - Garbage and Hazardous waste (page 11)
- [CMP Waste receipt 2021 - CMP recycling facility at Oceankaj](#) (page 12)

~~All waste in Copenhagen is weighed and data registered in kilos!~~
~~Amount~~In Annex 1, the amount for garbage discharge in Annex 1 is has to be written in m3, ~~seto give~~
our waste company, ~~can get~~Henrik Tofteng a quick ~~overview~~overview of how many containers is needed.

- formaterede: Skriftfarve: Automatisk
- formaterede: Skriftfarve: Automatisk
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~~, to make it easy for the waste~~ **Section 10. Hazardous waste**

- Electronics - *Collected in cardboard boxes or bailed on pallets.*
- Batteries, Accumulator - *Collected in plastic sacks inside leak proof plastic drums.*
- Light bulbs, Fluorescent lamps - *Collected in drums and cardboard boxes, sorted by type and stored in containers that prevent breakage.*
- Paint, Thinners, Chemicals - ~~Correctly labeled with~~ *Collected in leak proof drums with correct label on each.*
- Medicals, Bio Hazardous waste - ~~Correctly labeled...?~~ *Collected with UN number and dangerous goods label.*
- Oily sludge in drums, Oily rags, Oil filters - ~~Oily rags and Oil filters~~ *Collected in leak proof containers plastic bags or sealed drums.*

- formaterede: Skrifttype: Kursiv
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Reception under "no special fee" is on condition that:

- The above mentioned hazardous waste is collected as demanded.
- "Other Hazardous waste" is specified in **Annex 1**.
- Hazardous waste has already been sorted in accordance with applicable IMDG Code and in

UN-approved packaging, before collection by the waste company - to avoid delays for waiting time and fees for clean up and sorting.

Section 11. Incinerator ash, Scrubber (solid), Black water residues (solid), Grey water residues (solid), Fire extinguisher and Emergency pyrotechnics/ MOB smoke floats

Payment for reception of waste

The costs of disposal are borne by the ship and charged in accordance with CMP's List of charges.

CMP can assist with the supply and return of new UN-approved plastic drums and big bags.

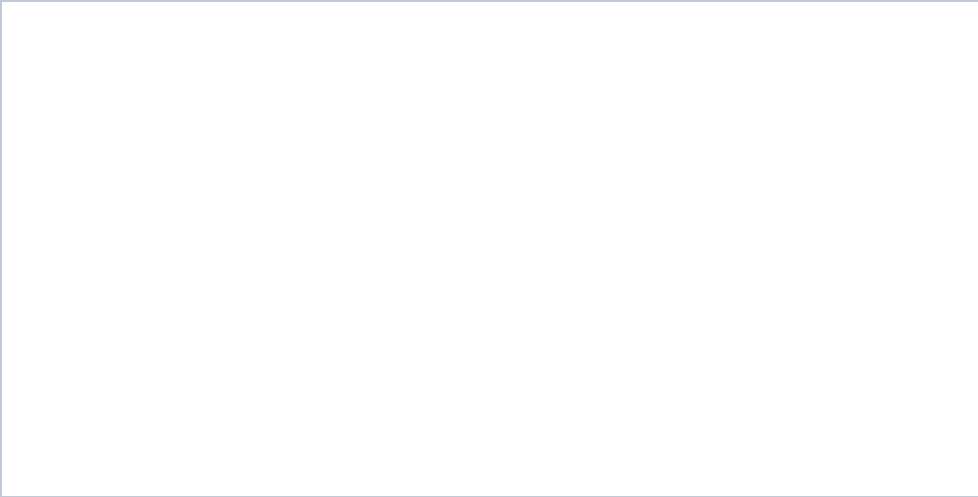
~~The costs are borne by the ship and charged in accordance with CMP's List of charges.~~

formaterede: Engelsk (USA)

Special provisions

- Incinerator ash (dry) collected in liftable sealed big bags
- Scrubber (solid) collected ~~in~~ UN approved drums.
- Black water residues (solid) collected in UN approved drums.
- Grey water residues (solid) collected in UN approved drums.
- Fire extinguisher collection - Gas art requirement !
- Emergency pyrotechnics/ MOB smoke floats collected in cardboard boxes - Safety data sheet requirement !

formaterede: hps, Skriftype: (Standard) Times New Roman, 12 pkt, Engelsk (Storbritannien)



Annex 1 CMP Waste order form 2021 - 24 hours in advance of arrival
E-mail portoffice@cmport.com

Name of ship: _____ Birth no: _____ Project no. completed by CMP: _____

IMO number: _____ Last Port and Country: _____ Ship Agent: _____

Ship arrival Date: _____ Arrival Time: _____ Departure Date: _____ Time: _____

Waste delivery Date: _____ Delivery Time: _____ Name/ Signature: _____

CMP waste management plan	Type of waste	Amount for discharge (m³)	Comments	Waste operators
MARPOL Annex 1 – Oil				
Section 5.	Oily residues (Sludge)			
Section 6. <i>Complete Annex 3</i>	Oily tank washings			
MARPOL Annex VI – Air pollution				
Section 7. <i>Complete Annex 3</i>	Exhaust gas-cleaning residues - Scrubber (fluid) AEP scrubber effluents (fluid)		PH value: (PH 5,5 – 8,5)	
MARPOL Annex IV – Sewage				
Section 8. <i>Complete Annex 4</i>	Sewage (Black water and Grey water) Treated Waste Water			
MARPOL Annex V – Garbage				
Section 9. and Section 10.	SMALL WASTE and FOOD WASTE for incineration - Clear plastic bags - <i>Maximum size 100x50x50 cm</i>			 <i>*CMP own reception on Oceankaj</i>
	LARGE WASTE for pre-sorting - <i>On pallets, in boxes or big bags</i>			
	*WOODEN PALLETS for recycling, SCRAP WOOD			
	*Clean PLASTIC - <i>Sorted in rigid, soft and PET bottles</i>			
	*Dry and clean CARDBOARD - <i>Bailed on pallets</i>			
	*GLASS for recycling (<i>NO crockery or mirror</i>) - <i>In big bags</i>			
	*CROCKERY for landfill (<i>NO glass</i>) - <i>In big bags</i>			
	*IRON, METAL, ALUMINIUM, TIN CANS - <i>On pallets or in</i>			
	MOORING LINES, STEEL WIRE - <i>On pallets</i>			
	FURNITURE, CARPETS, MATTRESSES - <i>Please specify</i>			
	*ELECTRONICS - <i>On pallets, in boxes or big bags</i>			
	COOKING OIL - <i>In 1 m3 tote or 60 L UN drum only</i>			
	SALE of 1 m3 TOTES or 60 L UN DRUMS for cooking oil			
	OTHER GARBAGE - <i>Please specify</i>			
		Kg	Comments/ UN Number	
Section 11.	*BATTERIES, ACCUMULATOR			 <i>*CMP own reception on Oceankaj</i>
	*LIGHT BULBS, FLUORESCENT LAMPS			
	PAINT, THINNERS, CHEMICALS - <i>Please specify</i>			
	MEDICALS, BIO HAZARDOUS waste - <i>Please specify</i>			
	OILY SLUDGE in drums, OILY RAGS, OIL FILTERS			
	SALE of UN drums and big bags - <i>Please specify</i>			
	OTHER HAZARDOUS waste - <i>Please specify</i>			
Section 11.	INCINERATOR ASH - <i>In liftable sealed big bags</i>			
	SCRUBBER (solid) - <i>In UN drums</i>			
	BLACK WATER/ GREY WATER residues (solid) - <i>In UN drums</i>			
	FIRE EXTINGUISHER			
	EMERGENCY PYROTECHNICS/ MOB SMOKE FLOATS <i>-Safety data sheet requirement !</i>			



CMP Waste receipt 2020 - Garbage and Hazardous waste

Name of ship name: _____ Berth no: _____ Date: _____ 2020

CMP Project no:

	Number of containers, drums/ Big bags or pieces	Kilo
Small waste and Food waste for incineration	Wet:	
	Dry:	
Large waste for pre-sorting		
Wooden pallets for recycling		
Clean plastic for recycling		
Dry and clean cardboard for recycling		
Glass for recycling (without crockery)		
Crockery for landfill		
Iron, Metal, Aluminium, Tin cans		
Mooring lines, Steel wire,		
Furniture, Carpets, Mattresses		
Electronics		
Cooking oil		
Sale of Totes and Drums		
Other garbage - Please specify		
SMOKA	UN number	Kilo
Batteries, Accumulator		
Light bulbs, Fluorescent lamps		
Paint, Thinners, Chemicals		
Medicals, Bio hazardous waste		
Oily sludge in drums, Oily rags, Oil filters		
Dry Cleaning Fluids		
Photo Waste/ X-ray Waste		
Aerosol cans		
Sale of UN drums and Big Bags		
Disposal of empty drums for destruction		
Other hazardous waste - Please specify		
Other hazardous waste - Please specify		
Incinerator ash		
Scrubber (solid)		
Black water residues (solid)		
Grey water residues (solid)		
Fire extinguisher		
Damasec	UN number	Kilo
Emergency pyrotechnics/ MOB smoke floats		
Comments:		

CMP Waste receipt 2020 - CMP recycling facility at Oceankaj

Ship name: _____ Berth no: _____ Date: _____ 2020

Garbage	Number of pieces	m ³
Wooden pallets for recycling		
Clean plastic for recycling - Rigid		
Clean plastic for recycling - Soft		
Clean plastic for recycling - PET bottles		
Dry and clean Cardboard for recycling		
Glass for recycling (without crockery)		
Crockery for landfill		
Iron, Metal, Aluminium, Tin cans		
Electronics		
Batteries, Accumulator		
Light bulbs, Fluorescent lamps		
Other garbage - Please specify		
Other garbage - Please specify		

CMP Project no: _____

CMP Port Authority: _____

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