

Port of Tolkkinen Oy's waste management plan

4 August 2023

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Responsible persons and contact information

Ship-generated waste notification

Waste treatment instructions
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1. Introduction

This waste management plan concerns waste management in the port of Tolkkinen. The waste management plan applies to the closed port area and its operations. In 2022, there were a total of 51 port calls and approximately 148,000 tonnes of goods passed through the port. Due to the nature of port operations, small amounts of waste are generated in the port area. Legislation requires the port authority to draw up a waste management plan for the organisation of waste management for waste originating from ships. The waste management plan of the port of Tolkkinen details the amount and type of waste in the port area, reception arrangements and payment systems, distribution of information to users and other matters specified in more detail in the regulation. The waste management plan was available for online commenting at www.portoftolkkinen.fi between 30 October 2020 and 30 May 2021.

2. Summary of current legislation

For the reception of oily waste, solid waste and sewage from ships, a fee is charged from every ship calling at the port, regardless of whether the ship delivers any waste in the port (Act on Environmental Protection in Maritime Transport 1672/2009, chapter 10, section 4). The Finnish Transport and Communications Agency can grant an exemption from the obligation to deliver waste if the ship is in regular service and has concluded an agreement with a qualified waste management company or port (1672/2009, chapter 10, section 5).

3. General description of the port area and operators

Bulk and general cargoes are handled in the closed port area. Storage operations take place both in outdoor storage areas and storage halls.

3.1 Port of Tolkkinen Oy

Port of Tolkkinen Oy is a privately owned company. Its operations are guided by the company's board. Prima Logistics Oy and its subcontractors are responsible for the operational handling of goods.

The services provided by Port of Tolkkinen Oy include the supply of water and electricity to ships and the undocking and mooring of ships.

The waste received or generated in the port of Tolkkinen can be divided into two categories: ship-generated waste and building-generated waste. Ship-generated waste is generated by cargo ships carrying cargo. A small amount of building-generated waste is generated by office and storage buildings.

4.1 Ship-generated waste

According to the Act on Environmental Protection in Maritime Transport, ships must deliver all such ship-generated waste to a port, which cannot be released into the sea based on the MARPOL 73/78 Convention, the Helsinki Convention and Finland's other international commitments. Port of Tolkkinen Oy receives ship-generated waste from individual ships.

The ship's agent is responsible for submitting a ship-generated waste notification by email to info@portoftolkkinen.fi

The procedure for ship-generated waste management is as follows:

1. The ship notifies its waste management needs to the ship's agent.
2. The ship's agent notifies the port of the ship's waste management needs 24 hours in advance, depending on the extent to which the port organises the ship's waste management (Act on Environmental Protection in Maritime Transport).
3. The ship's crew transfers the waste to marked waste containers. If the waste has been sorted incorrectly, the port invoices the incurred costs to the ship's agent.
4. If necessary, Port of Tolkkinen Oy receives a report from the waste management company on the waste delivered.
5. Port of Tolkkinen Oy sends the ship's agent a receipt regarding the delivery of the ship's waste by email.

4.2 Building-generated waste

Building-generated waste is collected in a container, which the waste management company empties as needed (usually twice a month). Building-generated waste is collected by Remeo Oy, which delivers the waste to a waste incineration plant.

5.2 Collected ship-generated waste

5.2.1 Oily waste originating from the engine room

Oily waste, waste oil and sludge from the separation of heavy fuel oil are generated as a result of ship maintenance. Ships also generate small amounts of other oily waste, such as oily rags and filters.

If necessary, Port of Tolkkinen Oy arranges the collection of liquid oily waste for a ship using the port's waste management. In such cases, the waste management company, Phoenix Collector Oy, collects the oily waste directly from the ship into a collection truck and delivers it to a processing plant. There are containers in the port for oil filters and solid oily waste, which Remeo Oy empties and delivers the contents to a waste treatment plant.

5.2.2 Solid ship-generated waste

Solid ship-generated waste means waste generated from the normal living of the ship's crew and passengers.

The ship empties its waste into mixed waste containers, which are emptied by Remeo Oy. The waste is then delivered to a waste incineration plant.

5.2.3 Sanitary waste

Sanitary waste refers to grey and black waste water. Black waste water refers to sewage waste water, and grey waste water refers to washing water, which originates from, for example, the ship's washing, sauna and kitchen facilities. The pumping of waste water into the sea in the port area is prohibited. If a ship wants to deliver sanitary waste, the port will arrange a collection truck for the ship, which delivers the sanitary waste to the treatment plant of Porvoon vesi.

5.2.4 Hazardous waste

Typical hazardous waste on ships includes various oily wastes, petroleum jelly, solvents, batteries and fluorescent tubes. If necessary, Port of Tolkkinen delivers hazardous waste to the Domargård office of Rosk'n Roll Oy. The transfer of waste from the ship to a vehicle is taken care of by the ship's staff.

5.2.5 Food waste originating from international traffic

Food waste refers to waste on board ships that originates from food intended for consumption by passengers or crew during the trip, as well as waste resulting from their processing or use.

The EU considers that international food waste can spread infectious diseases to animals or humans. For this reason, food waste originating from international traffic outside the EU is classified as animal waste belonging to the most dangerous category 1 in the Regulation of the European Parliament and of the Council (No. 1774/2002). The ship's crew must deliver the waste to a mixed waste container for incineration.

5.2.6 Other waste components

Many ships collect, for example, paper, cardboard, glass and hazardous waste. The ship's crew delivers the sorted waste to the appropriate containers.

Any cargo residues are delivered to the cargo's owner, who utilises the residues in their processes.

5.3 Collected building-generated waste

Building-generated waste and waste from other operations: Port of Tolkkinen Oy obligates companies operating in the port area to handle their waste management appropriately.

5.3.1 Mixed waste or mixed municipal waste refers to waste comparable to ordinary household waste that is mainly generated from the port's office and storage facilities.

5.3.2 Paper waste, cardboard and recycling paper are primarily clean and dry recyclable paper generated in office spaces. Office paper refers to usable light copy and typing paper as well as printouts. Cardboard refers to clean and dry recyclable cardboard, paperboard and kraft paper.

5.3.3 Hazardous waste: The hazardous waste generated in the port of Tolkkinen mainly consists of electrical and electronic waste, fluorescent tubes and batteries.

5.3.4 Other waste components: Other waste components, such as wood or metal, may be temporarily collected in the port of Tolkkinen if such waste is generated in connection with, for example, renovation or construction operations. These waste components are delivered for recycling

5.4 Waste reception equipment and capacity

5.4.1. Ship-generated waste: The following fixed waste reception facilities are located in the port of Tolkkinen:

Mixed waste:	front loader container, 8 m ³
Cardboard:	660-litre container
Glass packaging:	240-litre container
Metal packaging:	240-litre container
Paper:	240-litre container
Solid oily waste:	240-litre container
Oil filters:	240-litre container

5.4.2 Building-generated waste

Port of Tolkkinen Oy is responsible for the waste management of certain areas of the port. The waste management company keeps a record of the amount of waste collected and reports it to Port of Tolkkinen Oy. The current reception facilities are sufficient for the waste generated by the port's operations.

5.5 Waste types and amounts

The waste types received by Port of Tolkkinen Oy and their identification numbers are listed below (Ministry of the Environment Decree on the list of the most common wastes and of hazardous wastes 1129/2001):

Waste type	Identification number	Reception method
• Oily waste originating from the engine room		

	o waste oil	20 01 26	collection on request
	o oily sludge	16 07 08	collection on request
• Solid waste			
	o Mixed waste	20 03 01	
container at the waste station			
	o Sorted solid waste, combustible waste and cardboard	20 01 01	
container at the waste station			
	o metal	20 01 40	container at the waste
station			
	o glass	20 01 02	container at the waste
station			
	o International food waste	20 01 08	container at the waste station
• Waste water			
	o blackwater		collection on request
	o greywater		collection on request
	o bilge water	13 04 02	collection on request
• Hazardous waste			
	o solvents	20 01 13	collection on request
	o batteries and accumulators	20 01 33	
collection on request			
	o fluorescent tubes	20 01 21	
collection on request			
• Scrap metal	20 01 40		
	o metal pipes and cables		collection on request
	o cables, taps, couplings		collection on request
	o metal containers		container at the waste
station			
	o metal machinery and equipment		collection on request
• Electrical and electronic waste			collection on request
• Waste incineration ash and exhaust gas cleaning waste			
collection on request			

5.5.1 Ship-generated waste

In 2022, Port of Tolkkinen Oy received solid and liquid waste from ships as follows:

Approximately 26,099 m³ of solid waste received from ships

food waste	1,732
plastics	4,250
glass	0,010
metal	0,000
other	8,107
sewage	12,000
cargo ass. waste + residues	0,00

oily waste (liquid)	26,75 m3 of which
sludge 23,400	
bilge water 2,000	
other (e.g. dirty oil) 1,350	

5.5.2 Building-generated waste

The amount of building-generated waste that falls under the scope of Port of Tolkkinen Oy's waste management in the port area is quite small, and is mainly generated from the staff's office facilities and social premises. Any waste generated from construction in the port area is delivered to Rosk'n Roll Oy's Domargård waste station or Revanssi Oy's Kulloo office.

The waste components generated in the port area and their identification numbers are listed below (Ministry of the Environment Decree on the list of the most common wastes and of hazardous wastes 1129/2001)

	Identification number
o Mixed waste	20 03 01
o Paper and cardboard	20 01 01
o Biowaste	20 01 08
• Hazardous waste	
o Fluorescent tubes	20 01 21
o Batteries and accumulators	20 01 33
o Oil and grease trap waste	
• Electrical and electronic waste	20 01 35

• Wood	20 01 38
• Metal	20 01 40
• Building-generated waste	all numbers starting with 17
• Gritting sand	20 03 03

In 2022, the following waste was generated from the operations of the office of Port of Tolkkinen Oy:

A total of approximately 17,657 tonnes of waste was generated from the operation of the office/port, of which

Metal	3,700	
Cardboard	0,391	
Hazardous waste	0,562	
Mixed waste, combustible	8,580	
Paper	0,280	
Information and telecommunications waste		0,100
Confidential documents	0,064	

5.6 Waste pretreatment, transport and disposal

Pretreatment of waste is not the responsibility of Port of Tolkkinen Oy. Port of Tolkkinen Oy uses the services of waste management companies. The waste management company is responsible for the transportation, pretreatment, disposal and reporting of the waste.

5.7 Ship-generated waste payment methods

The ship-generated waste fee includes the reception, treatment and disposal of solid waste, sewage, oily waste from the engine room and ship-generated waste water. The reception and payment methods for ship-generated waste are specified in Port of Tolkkinen Oy's price list, which is confirmed annually by the company's board of directors.

The reception fee for solid mixed waste, sewage and oily waste from the engine room is independent of the amount of waste delivered. The incurred costs for exceptionally large amounts of waste, compared to the normal traffic or use of the ship, is charged to the ship or shipping company. The waste management fee is not charged to ships that TRAFI has exempted from the obligation to deliver oily

and solid waste. If a ship exempted from the waste management fee delivers waste to the port, Port of Tolkkinen Oy has the right to deliver the waste for further processing or disposal and invoice the costs to the ship or shipping company.

The ship-generated waste fee is determined according to the net tonnage of the ship. The waste fee has a minimum and maximum charge. The oil waste fee is determined according to the net tonnage of the ship. The waste fee has a minimum charge but no maximum charge. The reception fee for sewage is fixed regardless of the net tonnage.

6 Development of waste management

Any deficiencies in the port's waste reception facilities can be reported by e-mail to

info@portoftolkkinen.fi

After receiving a report, the port's management will take measures to correct any deficiencies without delay, if possible.

6.1 Development areas and measures:

1. Prevention of waste generation

Measures:

- maintaining and updating the instructions of Port of Tolkkinen Oy
- instructions distributed to tenants
- monitoring and informing about changes in legislation

2. Sorting efficiency

Measures:

- increasing sorting possibilities as needed
- attempting to reduce the share of waste that mixed waste accounts for
- paying attention to the instructions for and correct use and tidiness of waste collection points

3. Reducing waste costs

Measures:

- attempting to reduce the share of waste that mixed waste accounts for
- attempting to optimise emptying times

4. Development and maintenance of the waste management network

- monitoring and advising the port's operators

Responsible persons and contact information:

The person responsible for Port of Tolkkinen Oy's waste management is Niklas Ryyänen

Address: Tolkkisten satamatie 9, 06750 TOLKKINEN. Tel.: +358 400 492 439

Location: 60.331350 N, 25.576787 E

The Uusimaa ELY Centre acts as the supervising authority of the environmental permit:

PO Box 36, 00521 Helsinki

Port of Tolkkinen Oy's ship-generated waste reception service:

Email: info@portoftolkkinen.fi

Ship-generated waste notification:

NSW WASTE 2.0 ver						
				Last port delivered		
Name of ship	IMO number	Portnet number		Date of delivery		
				Amount of disposal		
				Next port of delivery		
Waste Type	Waste to be delivered (m ³)	Maximum dedicated storage capacity (m ³)	Amount of waste on board (m ³)	Port of delivery of remaining waste	Estimated amount of waste to be generated (m ³)	Waste that has been delivered at the last port of delivery (m ³)
Oily bilge water 101						
Oily residues (sludge) 102						
Food waste 502						
Plastics 501						
Domestic wastes 503						

Oily waste from the engine room

Oily waste is collected from the ship into a tank lorry. The pumping rate must be at least 5 m³/h. One-time volumes exceeding 10 m³ will be invoiced to the ship's agent or the shipping company.

Safety instructions for pumping:

- Hoses must be in good condition and of sufficient length.
- All couplings and tightness of couplings must be checked.
- Effective communication must be ensured between the ship and tank lorry.

- The pumping rate must be agreed upon.
- Emergency procedures must be agreed upon between the ship and tank lorry.
- The driver of a tank lorry must remain near the lorry at all times.
- An absorbent must be present on the site.
- Smoking and open fires are not allowed in the area during pumping.
- In the event of a leak, the following measures are to be taken:
 - Stop the pumping immediately.
 - Take measures to stop or limit the leak.
- Notify the Rescue Services of Eastern Uusimaa, tel. +358 20 1111 400.
- File a deviation report.

Black and grey waste water:

Black and grey waste water is pumped into a waste management company's tank lorry, which delivers the waste to the treatment plant of Porvoon vesi. The ship's crew and the tank lorry driver agree upon pumping and other practical arrangements

Before pumping:

- The type of the pumped wastewater (grey/black water) must be agreed upon.
- The amount of wastewater to be pumped must be agreed upon.
- The maximum pumping rate must be agreed upon.
- All hoses and connections must be checked.
- Safety and emergency instructions must be agreed upon.

Solid waste

Solid waste refers to household waste and other similar waste that is generated during the normal operation of a ship.

Mixed waste

The ship empties its waste into the mixed waste container in the port area.

Sorted waste

If the ship has sorted solid waste, it must be reported to the port in connection with the ship-generated waste notification.

Sorted waste is delivered to marked containers located in the port

Sorting instructions

Metal

- cans
- aluminium moulds and foil
- metal lids
- crown and screw caps
- beverage cans

No paint tins, aerosols, batteries or other hazardous waste, cables or tubes.

Glass

- empty glass bottles
- empty glass jars

No crystal, porcelain, ceramics, window or mirror glass, light bulbs, bottle caps or jar lids.

Cardboard

No paper, wet or dirty cardboard, foil-covered packaging, expanded polystyrene or plastic.

International food waste

Placed in a mixed waste container for incineration.

Other types of waste to be received (for an additional charge)**Hazardous waste**

If a ship wants to deliver hazardous waste to Port of Tolkkinen Oy, it must report the type and amount of hazardous waste at least 24 hours before arrival. Port of Tolkkinen Oy forwards the ship's order to the waste management company and invoices the ship according to the costs incurred.

Scrap metal

If a ship wants to deliver scrap metal to Port of Tolkkinen Oy, it must report the type and amount of scrap metal at least 24 hours before arrival. Port of Tolkkinen Oy forwards the ship's order to the waste management company and invoices the ship according to the costs incurred.

Electrical and electronic waste

If a ship wants to deliver electrical and electronic waste to Port of Tolkkinen Oy, it must report the type and amount of electrical and electronic waste at least 24 hours before arrival. Port of Tolkkinen Oy forwards the ship's order to the waste management company and invoices the ship according to the costs incurred.

Waste incineration ash and exhaust gas cleaning waste

If a ship wants to deliver waste incineration ash and exhaust gas cleaning waste to Port of Tolkkinen Oy, it must report the type and quantity of the waste in question at least 24 hours before arrival. Port of

Tolkkinen Oy forwards the ship's order to the waste management company and invoices the ship according to the costs incurred.

Ships exempted from ship-generated waste delivery

If the ship is exempted from the mandatory delivery of ship-generated waste and the reporting obligation,

the ship must proceed as follows. An exemption must be applied for from the maritime authority.

Port of Tolkkinen Oy must be notified of the ship's exemption.

If the shipping company has its own waste containers in the port area, each waste container must include the contact information of the waste management company.

Hazardous waste (bilge oil, solid oily waste, batteries and accumulators, paint, solvents) must be stored in a tight, lidded, locked and marked container. All liquid hazardous waste must be placed in a container with either raised edges or a collection system.

The area must be kept clean.

All waste containers must be kept clean.

A map showing the location of the waste station:

