

# PENARTH

## MARINA



## Port Waste Management Plan

Revision 7.0

November 2023

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## 1.0 Introduction

The location of the United Kingdom places it at particular risk from marine pollution from shipping.

Following a wide ranging inquiry into the prevention of pollution from merchant shipping it was concluded that there was no single solution to satisfactorily prevent all of the different types of ships from discharging wastes into the sea.

Pollution from the sea has been shown to come from all types of marine activity. The Marine Guidance Note 563 (M+F) Guidance on the Merchant Shipping and Fishing Vessels (Port Waste Reception Facilities) Regulations 2003 and amendments issued by the Maritime and Coastguard Agency is aimed at all types of ports and all types of vessels – not just commercial shipping. One of these aims of this notice is *“to improve the facilities for the legal disposal of waste in ports”*. It is believed that this objective can best be achieved by port waste management planning.

The Merchant Shipping and Vessels (Port Waste Reception Facilities) Regulations 2003 states:

*“Since January 1998, UK legislation has required ports, harbours and some terminals to draw up waste management plans for Maritime and Coastguard Agency (MCA) approval.”*

This port waste management plan has been prepared by Penarth Marina in compliance with the requirements set out in the Merchant Shipping and Vessels (Port Waste Reception Facilities) Regulations 2003.

The aim of this port waste management plan is to ensure that sufficient and appropriate facilities are readily available to receive waste materials from vessels using the marina and to dispose of all waste in a timely and correct manner.

Boatfolk Marinas recognise the need for control and management of waste from all types of vessels in order to ensure a cleaner environment both within Penarth Marina, throughout Cardiff Bay and at sea.

Boatfolk Marinas also promote awareness of environmental issues and have created their own brand – Coastline Deadline to promote environmental awareness amongst boaters. We also follow “The Green Blue” initiative. This is an environmental code of conduct for the recreational boating community by the British Marine Federation and the Royal Yachting Association. Additionally we are developing the Clean Marinas programme with The Yacht Harbour Association.

Penarth Marina holds a European Blue Flag.

This plan has been completed following consultation with the Cardiff Harbour Authority (CHA) and the Maritime and Coastguard Agency (MCA).

## **2.0 Objectives.**

The objectives of this plan are:

- To meet environmental standards and those of the Merchant Shipping (Port Waste Reception Facilities) Regulations 2003.
- To promote “The Green Blue” and Clean Marinas programmes and adhere to the requirements of the European Blue Flag and the Yacht Harbour Association’s 5 Gold Anchor Standard for the operation of the marina.
- To provide to users of the marina with a pleasant and healthy environment in which to keep their boats.
- To eliminate illegal discharge of waste from vessels.
- To provide an assessment of total waste recovered by vessels using the marina.

## **3.0 Boatfolk Marinas Ltd**

### **3.1 Background information**

Boatfolk Marinas Ltd was formed in April 2020 when marina group Dean and Reddyhoff merged with Quay Marinas Ltd, both of whom were private marina operator and developers. The core business activity of the group is the management and operation of marinas and the provision of support services such as consultancy, marine engineering, boat brokerage and shoreside food and beverage facilities.

Boatfolk Marinas Ltd are one of the UK’s leading marina operators and currently operate at eleven sites, including Penarth Marina.

### **3.2 Penarth Marina**

Penarth Marina, formerly Penarth Docks was leased from the Vale of Glamorgan Borough Council in 1986. At that time the docks were in a severe state of disrepair and much of what is now the inner basin had been filled with domestic refuse.

After substantial redevelopment, including the installation of a purpose built sector yacht lock the marina opened in 1987.

The marina provides 320 fully serviced berths within two basins. Around the dock edge marina facilities and a residential housing estate have been developed to compliment the leisure environment.

A site plan of the marina is appended (see Appendix 1). The site plan identifies the location of waste disposal facilities. These have been located so as to make them as accessible as possible for the people using them. The mixed waste and recycling facilities are conveniently located for both disposal of waste by customers and for the collection of the waste by the waste carrier. The facilities for oil, cardboard and battery disposal are located within the boatyard.

### **3.3 Cardiff Bay**

In November 1999, Cardiff Bay became impounded by the Cardiff Bay Barrage. The Barrage, a 1.1 km tidal exclusion barrier, runs from Penarth Head in a northerly direction connecting with Cardiff Docks adjacent to the entrance of Queen Alexandra Dock. The Barrage has created a freshwater lake for recreational use. Penarth Marina is now located within the freshwater impoundment.

### **4.0 Cardiff Harbour Authority**

Cardiff Harbour Authority is responsible for managing the Barrage, the Outer Harbour and the Inland Bay, a water area of approximately 200 hectares. Penarth Marina falls within the impounded Bay.

Cardiff Harbour Authority have their own Port Waste Management Plan, which includes information relating to Penarth Marina. Bay User Forum meetings occur on a regular basis and provide an opportunity for all users of Cardiff Bay to discuss Port Waste Management issues and to investigate the possibility of shared communal facilities.

### **5.0 Marina Customers**

The marina provides a safe haven for many types of vessels. Primarily the vessels are used for recreational purposes however, the marina does provide berthing for small commercial vessels e.g. charter fishing vessels.

Vessels berthed within Penarth marina are either resident (up to 320 berths) or visitors, who use vacant resident berths.

The number of visiting vessels using Penarth Marina is approximately 750 per annum, with an average stay of 2-3 days.

### **6.0 Review of Existing Waste Management Facilities**

Penarth Marina has, since opening, provided waste disposal facilities for its customers. The quantities of waste disposed of within these facilities and the costs levied on customers are indicated within the following table:

### Facilities Provided and Annual Quantities of Waste disposed

Reception Facility	Capacity	Frequency of Emptying	Annual capacity	Is Notice Required? (If yes, No hours)	Cost of Use To Customer
Waste Oil Tank	1,000 litres	As required, generally monthly	12,000 litres	No	Incorporated within fees
Oil/Water Mixtures	Facility provided by CHA				Nil
Garbage Bins / Skips	6,600 litres	Twice Weekly	686,400 litres	No	Incorporated within fees
Mixed Recycling Bins	3,300 litres	Weekly	171,600 litres	No	Incorporated within fees
Glass Bins	720 litre	Weekly	37,440 litres	No	Incorporated within fees
Cardboard	1,100 litre	Weekly	57,200 litres	No	Incorporated within fees
Batteries	500 litre container	As required, generally quarterly	Approximately 50 batteries	No	Incorporated within fees
Gas Bottles	N/A	N/A	N/A	N/A	N/A
Chemically Treated Sewage	Facility provided by CHA	N/A	N/A	N/A	N/A
Raw Sewage (Pumped out via appropriate facility)	Facility provided by CHA	N/A	N/A	N/A	Nil
Noxious Liquid Substances	N/A	N/A	N/A	N/A	N/A
Other Wastes	N/A	N/A	N/A	N/A	N/A

The management of the provision of waste facilities at Penarth Marina is the responsibility of the Marina Manager. He is also responsible for the collation of data for planning and reporting needs. Data is collected on a regular basis, via reports from customers, visitors and/or staff. As any need for an alteration in the facilities provided becomes known the Marina Manager shall take appropriate action to implement any changes required.

The contributory cost towards the waste disposal facilities for users of Penarth Marina is incorporated in the annual berthing licence. There have not been any formal comments to the Marina Manager regarding the charges for provision of waste disposal facilities.

The following sections of the Port Waste Management Plan give fuller details of the facilities available at Penarth Marina.

### 6.1 Mixed Refuse

Mixed refuse forms the vast majority of all waste generated by vessels using the marina. To adequately cater for this type of waste disposal bins are to be found at the following locations:

Area / Location	Number of Bins	Capacity of Bins
Harbour Masters office refuse compound	2	2200 litres
Boatyard storage area	2	2200 litres
Inner Basin refuse compound	2	2200 litres

All waste is collected by the following specialist waste contractor:

Veolia Environmental Services Ltd  
Veolia House  
154A Pentonville Road  
London  
N1 9PE

### 6.2 Oil Waste

The marina provides purpose built, bunded, waste oil disposal facility. This is located within the boatyard storage area and has a capacity of 1000 litres.

The tank is regularly checked by Marina Staff and emptied on demand by specialist waste contractors:

Pure Clean Environmental Ltd  
7 St Brendans Trading Estate,  
Avonmouth Way  
Avonmouth  
BS11 9HD

### 6.3 Waste Batteries

Used batteries may be disposed of within the boatyard storage area. They are collected by marina staff and stored in the marina's shipping container. Once a number

have been collected they are disposed of with any scrap metal by a licenced scrap metal merchant

#### **6.4 Petrol and Diesel Deliveries**

Penarth Marina maintains a designated area for off-loading deliveries of fuel. The delivery areas were designed to meet Petrol Handling Regulations as defined within the Health and Safety Executive publication HSG41.

The interceptor incorporated with the tanker standing area will prevent any spilt petrol from entering the Marina or contaminating adjacent land.

#### **6.5 Spillages**

In the event of a fuel or chemical spillage within the Marina complex, response measures are in place to contain the spillage until such time as specialist contractors arrive on site to clean up.

The marina carries the following for a Tier 1 response:

- Oil booms for use on water
- Absorbent material to contain spillages on land.

The above equipment is supplied by:

Ambipar Response Ltd

24 Hour response line 0870 073776673

In the event of a major spillage the above contractor is contracted to provide a response within 4 hours. This response service is maintained 24 hours a day, 365 days per annum.

The CHA also have booms and oil spill collection equipment which could be utilised in the marina to deal with any spill.

Any major spill into the marina could be largely contained within the marina by closing the lock gates.

#### **6.6 Recycling Facilities**

Recycling bins have been installed at the Marina for glass, paper, plastic, cardboard and cans. There are 3 separate 1,100 litre bins for co-mingled recycling, one 1,100 bin for cardboard and two 360 litre glass bins.



Recycling for mobile phones, laser and inkjet cartridges is available at the Marina Office.

The marina also has facility for the collection of nylon and monofilament fishing line. This is collected at two locations and then forwarded to the Anglers National Line Recycling Scheme

Additionally a comprehensive range of recycling facilities are available at Tesco's store on Penarth Haven, a short walk from Penarth Marina.

## **6.7 Gas Bottle Disposal**

Empty Calor Gas and Campingaz bottles are disposed of through our contract for the sale of Gas Bottles with:

Calor Gas Ltd  
Scapa Works  
Tonna  
Neath  
SA10 8ER

Waste gas bottles that float into the marina, which cannot be accepted by the above contractor can be disposed of by the CHA.

Marina Customers with waste gas bottles belonging to other suppliers – Cardiff Gas, Flow Gas etc are asked to take their gas bottles back to the original supplier or to dispose of them at the Vale of Glamorgan Waste Recycling center.

## **6.8 Sewage and Oil/Water Pump Out**

Cardiff Harbour Authority currently provides waste pump out facilities at the southern end of the Barrage, which are immediately outside the Marina lock gates and very convenient for Marina berth holders.

### Landing of Waste – facilities at southern end of Barrage

On arrival at the waste reception facility, users can follow the instructions displayed on the pump out facility and chemical toilet. Vessels can discharge waste water and effluent into a tank that is then disposed of via the sewerage network. Bilge waste can be pumped into a 2500 litre holding tank.

The bilge waste tank is periodically emptied of waste oil by licensed waste carriers and quantities recorded by waste transfer notes. Any problems with this facility is reported to Barrage Control by the vessel for the Harbour Master to resolve. This facility has proved very popular as water is also available.

### CHA Pump Out Facility – Charges

At the southern end of the Barrage, within the Bay, Cardiff Harbour Authority have provided a pontoon based pump out facility which is accessible to all recreational vessels within the Bay. More than 30% of the contributory cost towards the facilities for recreational users is incorporated in the annual Harbour Dues whilst for Harbour Authority licensed commercial operators, including passenger vessels carrying over 12 passengers, is incorporated in their Commercial Operator licence fee.

### **6.9 Pyrotechnics**

Out of date flares and other pyrotechnics are disposed of through the Maritime and Coastguard Agency.

### **6.10 International Catering Waste**

There are no facilities at Penarth Marina for the collection and disposal of International Catering Waste. If a vessel was to visit from outside of the UK then any ICW would have to be disposed of by an authorised handler/provider.

### **7.0 Consultation.**

Boatfolk Marinas Ltd conduct annual customer questionnaires. One of the questions relates to our shoreside facilities and the responses indicate that 88% of our customers think that the recycling and waste facilities are either good or very good.(see Appendix 2)

### **8.0 Raising Awareness.**

Boatfolk Marinas Ltd fully support the requirements of the Port Waste Management Regulations 2003 and the Green Blue/Clean Marinas initiatives and are committed to ensure the requirements are adhered to within the confines of Penarth Marina. Penarth Marina was awarded a European Blue Flag for its environmental quality in 2009 and has maintained this each year since.

Boatfolk Marinas are actively involved in raising customer awareness and will offer advice/assistance if required.

Penarth Marina provides users with information regarding the location of waste reception facilities within the Marina complex by the following means:

- Inclusion of details on the Marina website and on the bespoke Marina App.
- Mailshots and newsletters. Penarth Marina operates a weekly electronic newsletter to berth holders.

- General advice/instruction given by personal Marina staff.
- Signage – We have erected two large signs on the marina which detail our environmental management plans as part of our Blue Flag award criteria. These show the locations of all facilities. A copy of the sign is at Appendix 4.

As per MGN563 Amendment 1 Section 9, the plan in its entirety is made available on the Penarth Marina website. This is in addition to summarising the contents of the plan for customers on the Marina Customers App,

In addition Penarth Marina operates a Seabin which skims rubbish of the surface of the water and collects it in a basket. The Seabin installation was a collaboration with Mott Macdonald who collect the plastics from the collected waste for analysis to see what it is and where it comes from.

### **9.0 Reporting Inadequacy of Port Waste Reception Facilities**

If vessels find that the facilities at Penarth Marina are inadequate for any reason the Master, in the first instance, should inform the Marina Manager who will investigate the complaint and rectify any deficiency. If the proper facilities cannot be provided, to the Master's reasonable satisfaction, the vessel is to inform the Maritime Coastguard Agency in accordance with the Marine Guidance Note 563. The contact for making such reports is:

PWR Inadequacies,  
Clean Ship Operations Team,  
Maritime and Coastguard Agency,  
Spring Place,  
105 Commercial Road,  
Southampton,  
SO15 1EG.

E-mail: [environment@mcga.gov.uk](mailto:environment@mcga.gov.uk)

The Marina Manager or Assistant Manager should inform the Cardiff MO in the event of a ship not complying with the need to notify and/or offload waste. Such ships may then be targeted by MCA for inspection and destination ports/terminals will be warned of their non-compliance. Masters and owners of ships that fail to comply with the requirements may be guilty of an offence and liable on summary conviction to a fine as provided for in regulations 18 (2), (3) and (4) of the 2003 Regulations as amended. The contact for reporting non compliant vessels is :

Maritime and Coastguard Agency Cardiff Marine Office Anchor Court, Keen Road  
Cardiff, CF24 5JW

E-mail: [Cardiffmo@mcga.gov.uk](mailto:Cardiffmo@mcga.gov.uk)

Ongoing consultation regarding the facilities provided by Boatfolk Marinas at Penarth occurs by means of the Berth Holders Questionnaires and Visitor Questionnaires. The recent surveys have not highlighted any concerns at all regarding the facilities for the disposal of waste.

## **10.0 Exclusions**

Nothing in this plan shall absolve the individual host organisations from their responsibilities to provide adequate waste reception facilities consistent with the requirements of Merchant Shipping and Vessels (Port Waste Reception Facilities) Regulations 2003.

## **11.0 References**

In compiling this plan reference was made to the MCA's publication "*Port Waste Management Planning – A Guide to Good Practice, 2004*" and the Royal Yachting Association /British Marine Industries Federation publication "*Port Waste Planning*".

## **12.0 Review.**

As required by the Merchant Shipping and Vessels (Port Waste Reception Facilities) Regulations 2003 this plan will be reviewed and re-submitted to the MCA at three-yearly intervals.

**APPENDIX 1. Penarth Quays Marina – Site Plan.**



**APPENDIX 2. Waste Producer Questionnaire.****b****Q9: How would you rate the following services at your marina?**

	AWFUL	NOT VERY GOOD	QUITE GOOD	EXTREMELY GOOD	TOTAL	WEIGHTED AVERAGE
Berthing	0.00% 0	0.00% 0	24.00% 6	76.00% 19	25	3.76
Food and beverage	4.55% 1	27.27% 6	40.91% 9	27.27% 6	22	2.91
Toilets and showers	0.00% 0	4.17% 1	50.00% 12	45.83% 11	24	3.42
Car parking	12.00% 3	16.00% 4	44.00% 11	28.00% 7	25	2.88
Wifi	12.00% 3	28.00% 7	56.00% 14	4.00% 1	25	2.52
Laundry	0.00% 0	9.09% 2	63.64% 14	27.27% 6	22	3.18
Marina reception	0.00% 0	0.00% 0	36.00% 9	64.00% 16	25	3.64
Access to electricity	0.00% 0	8.00% 2	48.00% 12	44.00% 11	25	3.36
Access to fuel	4.00% 1	4.00% 1	44.00% 11	48.00% 12	25	3.36
Recycling	0.00% 0	12.00% 3	52.00% 13	36.00% 9	25	3.24

Answered: 25 Skipped: 1

**APPENDIX 3. Report Of Cost, Type And Capacity Of Port Waste Reception Facilities**Name of port – *Penarth Marina*Estimate of total number of vessels calling at port each year – *1050 Vessels*

	A. Oil						Noxious liquid substances	Sewage	Garbage
	Dirty ballast water	Tank washings (slops)	Oily mixtures containing chemicals	Scale and sludge from tank cleaning	Oily bilge water	Sludge from purification of fuel oil	Categories A, B, or C		
Type and size of facility	N/A	N/A	N/A	N/A	12,000 litres	N/A	N/A	N/A	10 no. 1,100litre bins
Method of use (where applicable)	N/A	N/A	N/A	N/A	Disposal tank	N/A	N/A	N/A	Lidded bins
Is notice required? If yes state no of hours	N/A	N/A	N/A	N/A	None	N/A	N/A	N/A	None
Frequency of emptying	N/A	N/A	N/A	N/A	Variable	N/A	N/A	N/A	Weekly
Annual capacity	N/A	N/A	N/A	N/A	Unknown	N/A	N/A	N/A	1,258,400 Litres
Cost of use	N/A	N/A	N/A	N/A	Incorporated within fees	N/A	N/A	N/A	Incorporated within fees

Note: This form should be returned to the local MCA office with the report to Government. The information will then be collated and submitted to the International Maritime Organisation. Full oil information is not required for ports that cannot receive tankers or any other vessels over 400 gross tonnage. Information on cost is only required where there is a charge for using facilities. Annual capacity should be given in kg or tonnes. The MARPOL provision for regulating sewage from ships is not yet in force – however, ports should provide facilities for the disposal of sewage when required by the port user.

**APPENDIX 4. Blue Flag Information Signs (x2)**

