



**Associated British Ports**

# **South Wales Port**

# **Waste Management Plan**

# **2014**

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## 1. INTRODUCTION

Under the Merchant Shipping (Port Waste Reception Facilities) Regulations 1997, ports, harbours, terminals, installations, marinas, piers and jetties were required to report to Government on how they planned their port waste reception facilities. The Regulations set out a structured planning process for waste management issues, including a formal consultation process with affected individuals and organisations and the estimation of the amounts of different wastes landed at ports. Associated British Ports (ABP) complied with the requirements and produced its first generation of Port Waste Management Plans (PWMPs) in 1998 for all its UK ports. The PWMPs referred to the provision of facilities for ships' waste under the MARPOL Regulations and the operations associated with the provision of those facilities. Arrangements for waste arising at the ports from non-shipping activities were not detailed in the Plans.

During 2003, the Government brought into force a new set of Merchant Shipping (Port Waste Reception Facilities) Regulations, which superseded the 1997 Regulations and introduced new requirements to Port Waste Management Plans. In summary, these are:

- Ships must provide notification before entry into port of the waste they will discharge, including information on types and quantities
- Ships must deliver their waste to port reception facilities before leaving port, unless they have sufficient dedicated storage capacity for the waste and for it to be accumulated until the next port of call
- Ships must pay a mandatory charge to significantly contribute to the cost of port reception facilities for ship-generated waste, whether they use them or not.

The Regulations also require waste arising from cargoes and associated activities to be addressed in Port Waste Management Plans, in addition to ship-generated garbage. Within ABP, these waste streams are generally dealt with under separate arrangements from those for ship-generated MARPOL waste. This Plan outlines the arrangements made for these streams but concentrates on the ship-generated MARPOL wastes. A number of vessel types fall outside the scope of the new Regulations and, as such, do not have to notify or offload waste or pay a mandatory charge. Separate arrangements will be made to deal with the waste these vessels generate. The categories and the arrangements made are outlined in Appendix B.

ABP's Port Waste Management Plans needed to be reviewed and updated on a two-yearly basis under the 1997 PWRP Regulations. With the changes introduced by the 2003 Regulations, we have taken the opportunity to review and revise all of our Plans, to bring them into line with the new requirements. This Plan covers the ABP facilities at its South Wales Ports, which make up five of the 21 ports and terminals owned and operated by the company in the UK.

This Plan has been prepared taking into account the advice contained in the Maritime & Coastguard Agency's 'Port Waste Management Planning – A Guide to Good Practice'. It will be submitted for approval, in the first instance, to the local office of the MCA. Once approved, copies will be held at the MCA offices in Southampton, ABP's Head Office in London as well as with the Marine Department at ABP Cardiff. It is intended to be reviewed in three years' time, as stipulated by the PWRF Regulations 2003, although the Plan may be required to be amended at a shorter interval if significant changes have taken place.

## 2. LEGISLATION

### 2.1 MARPOL REGULATIONS

The International Convention for the Prevention of Pollution from Ships 1973, and its 1978 Protocol (MARPOL 73/78) aims to regulate and minimise pollution from ships. MARPOL 73/78 covers the five main forms of ship generated waste in five specific annexes which are summarised in Table 1.

**Table 1 MARPOL Regulations relating to reception facilities**

<b>Annex</b>	<b>Category of Waste</b>	<b>Annex in force?</b>	<b>Reception facilities required?</b>	<b>Types of waste for reception</b>
<b>I</b>	Oil	✓	✓	Covers all types of wastes from the carriage of oil: as fuel, engine room slops, cargo (tank washings) or dirty ballast water.
<b>II</b>	Noxious liquid substances in bulk	✓	✓	Chemical wastes derived from bulk chemical transportation, including residues and mixtures containing noxious substances
<b>III</b>	Harmful substances carried by sea in packaged form	✓	x	-
<b>IV</b>	Sewage from ships	✓	✓	Raw sewage – retained in holding tanks for disposal in port or outside 12nm Partially treated sewage – retained in holding tanks for disposal in port or outside 4nm
<b>V</b>	Garbage from ships	✓	✓	Garbage includes domestic (food and packaging) and operational (maintenance, cargo and miscellaneous) wastes See Appendix A
<b>VI</b>	Air pollution from ships	x	x	-

Annexes I, II, IV and V provide specific requirements for the handling and discharge of ship generated wastes. Annex IV, regarding the discharge of sewage from ships came into force in September 2002 and the UK has until September 2004 to make provision for suitable reception arrangements. Annex VI is intended to extend MARPOL regulations to cover air pollution from ships but has not been ratified by the necessary number of member states so is not yet in force.

MARPOL Regulations for the provision of reception facilities for ship generated waste are installed in UK legislation under the Prevention of Pollution (Reception Facilities) Order 1984 and the Merchant Shipping (Reception Facilities by Garbage) Regulations 1988. These regulations require harbour authorities and terminal operators to provide reception facilities for ships, which, in their opinion, are using the harbour or terminal for a primary purpose other than using the reception facilities. The facilities must be adequate (of sufficient capacity and appropriate design) to meet the needs of ships using them without causing them undue delay.

The facilities can be fixed installations or mobile conveyances, as appropriate. In assessing what facilities are to be provided, factors to be taken into account are numbers, types and sizes of vessels, the trades in which they are engaged and any prospective changes. It is for the operator to decide which combination or types of facilities would be most suitable. A reasonable charge may be made for the use of the facilities

Within ABP South Wales reception facilities for the disposal of Annex V (Garbage) wastes are provided in accordance with the MARPOL Regulations under the Prevention of Pollution (Reception Facilities) Order 1984 and the Merchant Shipping (Reception Facilities by Garbage) Regulations 1988 (Section 5).

## **2.2 THE ENVIRONMENTAL PROTECTION ACT 1990 – DUTY OF CARE**

The Environmental Protection Act 1990 imposes a Duty of Care on all persons in the waste management chain to take all reasonable measures to ensure that waste is safely and legally disposed of. The waste must be safely contained, may be transferred only to authorised persons and a Waste Transfer Note (WTN), containing specified information must be completed by the two parties when waste changes hands. These WTNs must be kept for a minimum of three years.

An authorised person is a holder of a Waste Management Licence under Section 35 of the Environmental Protection Act 1990 or a registered waste carrier under the Controlled Waste (Registration of Carriers and Seizure of Vehicles) Regulations 1991, as amended.

ABP accepts that it has a Duty of Care for the garbage landed by vessels into the bins we provide on our managed berths. However, ABP does not generate any of this waste through our own activities and, therefore, we do not take ownership of it at any point. ABP will not be considered as the 'waste producers'. Our Duty of Care is incorporated within the service we provide to the vessels using our managed berths and the associated waste reception facilities.

### **2.3 MERCHANT SHIPPING AND FISHING VESSELS (PORT WASTE RECEPTION FACILITIES) REGULATIONS 2003**

The Merchant Shipping and Fishing Vessels (Port Waste Reception Facilities) Regulations 2003 came into force on 15 July 2003 and revoke and replace with amendments the Merchant Shipping (Port Waste Reception Facilities) Regulations 1997. They transpose the requirements of Directive 2000/59/EC of the European Parliament and Council on for reception facilities for ship-generated waste and cargo residues, as amended, into UK law.

As with the previous legislation, all harbour authorities and terminal operators are required to provide waste reception facilities which are adequate to deal with waste of types covered by the Regulations from ships normally using the harbour or terminal. Harbours and terminals are still required to produce Waste Management Plans detailing the provisions made and to submit them to the Secretary of State for Transport for his approval. The harbour authority (or terminal operator where the operator has prepared the Plan) is required to implement the approved Plan.

The significant differences included in the new Regulations are:

- i) a duty on vessels to deliver waste to reception facilities in the harbour or terminal of call
- ii) a requirement to notify the harbour or terminal in advance of arrival of the amount of waste to be discharged, and
- iii) a duty for harbour authorities and terminal operators to impose charges to cover the costs of waste reception facilities for ship-generated waste.

The 2003 Regulations contain powers for the Secretary of State to grant exemptions from some of the provisions contained in the legislation. Vessels which satisfy certain criteria – that they operate a 'scheduled', 'frequent' and 'regular' service between ports, according to the definitions contained in Marine Guidance Note 259 – will be exempted from the requirements relating to advance notification of waste, mandatory discharge of waste and payment of a charge to cover the provision of reception facilities.

### **2.4 Animal By-products (Enforcement) (Wales) Regulations 2011**

These Regulations enforce, in Wales, the laying down of health rules for animal by-products and derived products not intended for human consumption. The Regulations came into force on 4 March 2011 and include in their scope a way of disposing catering waste from international means of transport including all aircraft, ships, yachts, boats, vehicles and pleasure craft belonging to commercial companies, private individuals or the armed forces. The new regulations provide clarification on the implications of these Regulations for food waste landed in ports. The obligations vary according to the categorisation of the material, the higher risk animal by-product is categorised as Category 1 material, next in risk is Category 2 and then Category 3 material.

The Regulations differentiate between waste from food which originated within the European Union and that which originated from outside. It stipulates that there shall be different methods and disposal routes for EU and non-EU food waste and that if the two waste streams are mixed, then the whole amount of waste shall be disposed of at the higher treatment level. DEFRA guidance states that any vessel which has been outside the EU during its voyage will be deemed to have International Catering Waste (ICW) on board regardless as to whether provisions were taken on within or outside of the EU. Catering waste is defined in the regulations as 'All waste food, including used cooking oil originating in restaurants, catering facilities and kitchens including central kitchens and household kitchens'. All foodstuffs in stores, which are destined for human consumption on board a vessel are determined to be part of the catering facilities.

Vessels sailing within the EU will be able to deposit their galley waste into general waste bins along with other domestic refuse from the crew's quarters. This waste can be disposed of through normal waste disposal routes and without any special arrangements being made. However, food waste that originates from outside the European Union, carried into the EU on a vessel that has sailed from a non-EU port, must be disposed of via separate arrangements.

The catering waste produced from these international vessels falls into two distinct risk categories, depending on the journey made by the vessel. These are:

High risk category 1 All International Catering Waste (ICW) – from means of transport operating internationally (i.e. outside of the EU); and

Low risk category 3 catering waste – from means of transport not operating internationally (i.e. within the EU).

ICW is subject to strict handling and disposal controls under these regulations, in order to prevent the introduction of exotic notifiable diseases, such as Foot and Mouth disease, into the UK.

Catering waste from means of transport only operating within the EU can be handled in the same way as domestic catering waste. Domestic catering waste can be:

treated in an ABP-approved compost, biogas or rendering plant;  
incinerated;

applied to land, as long as farm animals and vermin cannot access it. Good practice to avoid farm animal and vermin access would be to deeply plough it in to arable, horticultural or non-agricultural land and to avoid reseeded for pasture use until the material has fully rotted down in the next growing season;

buried in landfill under the control of Environmental / Waste legislation and Domestic Regulations; or

treated in a biodiesel plant (fat fraction as in Used Cooking Oil). If the plant is only receiving untreated catering waste, as in Used Cooking Oil sourced from catering sources, it does not need approval under the regulations, but would be subject to environmental controls.

Under Article 12 of the regulations, Category 1 ABP can only be disposed of in the following ways in order of waste hierarchy:

used for the manufacture of derived products referred to in Articles 33, 34 and 36 of the regulations and placed on the market in accordance with those articles. This would include Used Cooking Oil (ICW) intended for the production of biodiesel in a plant approved under the ABP Regulations;

used as a fuel for combustion, with or without prior processing;

by co-incineration with energy recovery (as for incineration below);

as waste by incineration: directly without prior processing following processing (methods 1-5) and permanent marking by use of Glyceryl Tri-Heptanoate (GTH); disposal by pressure sterilisation and deep burial in an authorised landfill; or in the case of ICW, disposal by deep burial in an authorised landfill. This is the only type of category 1 ABP, which can be disposed of in this way. No pre-treatment is required. The Maritime Coastguard Agency (MCA) has advised, with agreement from DEFRA, that, where a vessel arriving from outside the EU is the exception to traffic rather than the rule, the Waste Reception Facilities Port Waste Management Plan need only make provision for any food waste requiring disposal to be dealt with under the same 'direct contract' arrangements employed for oily waste, sewage or another special MARPOL waste stream. All food refuse from these ships must be brought ashore in leak-proof bags and deposited in the special bins brought to the ship by authorised waste contractors who will receive and dispose of the waste according to the appropriate regulations.

The master of a merchant boat, ship or fishing vessel has specific responsibilities for his/her waste. The business operating the vessel may delegate responsibility to a company offloading the vessel, or to a port authority to deal with as per their waste management plan, but the generator of the waste has ultimate responsibility for ensuring that the waste food is identified and disposed of according to the regulations (as ICW where appropriate), including the requirements for use of commercial documentation and record keeping. There is therefore a duty of care on the generator to audit businesses working on their behalf to ensure that the disposal is taking place according to the Regulation.

Once offloaded from the vessel, ICW must be placed in a dedicated, covered, leak proof skip or other suitable container. It should be transported without undue delay or by agreement with the local Regional or Divisional AHVLA Office. Any vehicles or skips/containers containing ICW should be cleansed and disinfected with a Defra approved disinfectant following each use.

### 1.3.3 Waste (England and Wales) Regulations 2011

The new Waste (England and Wales) Regulations 2011 came into force on 29 March 2011. They update some aspects of previous waste controls implemented under the Environmental Protection Act 1990. The Environmental Protection Act 1990 imposes a Duty of Care on all persons in the waste management chain to take all reasonable measures to ensure that waste is safely and legally disposed of. The waste must be safely contained, may be transferred only to authorised persons and a Waste Transfer Note (WTN), containing specified information must be completed by the two parties when waste changes hands. WTNs must be kept for a minimum of two years whilst Consignment notes are to be kept for a minimum of three years.

In summary, the new waste regulations implement the revised Waste Framework Directive and;

require businesses to confirm that they have applied the waste management hierarchy when transferring waste and to include a declaration on their waste transfer note or consignment note;

introduce a two-tier system for waste carrier and broker registration, which includes those who carry their own waste, and introduces a new concept of a waste dealer;

make amendments to hazardous waste controls and definition; and

exclude some categories of waste from waste controls, notably animal by-products whilst include a small number of radioactive waste materials.



As of 28 September 2011, whenever waste is passed on to someone else, the waste producer is now required to declare on the waste transfer note, or consignment note for hazardous waste, that they have applied the waste management hierarchy.

### **3. THE PORTS OF SOUTH WALES**

#### **3.1 THE PORTS OF SOUTH WALES**

Associated British Ports owns and operates the Ports of Swansea, Barry, Cardiff, and Newport. We own both Port Talbot Dock and the Tidal Harbour but as there are no common-user berths in either place, ABP does not provide ships' waste-reception facilities at these sites. This is the responsibility of the terminal operators, Corus.

#### **3.2 LOCATION OF THE DOCK ESTATES**

The Port of Swansea is an enclosed dock system on the north side of Swansea Bay consisting of two main docks, Kings and Queens Docks, and a third Dock, The Prince of Wales, which is now used mainly as a marina accepts limited commercial traffic.

Port Talbot's enclosed dock lies on the north-east of the bay and consists of a single dock with several branches. Close east is the entrance to Port Talbot Tidal Harbour which contains a large deep-water jetty for handling bulk cargoes of coal and iron ore.

The Port of Barry lies to the north and east of Barry Island and consists of two docks, No 1 and No 2, accessed through the Lady Windsor Lock or No 3 Dock Basin.

The Port of Cardiff consists of three interconnected docks, Queen Alexandra Dock, Roath Dock, and Roath Basin. Entrance is through the Queen Alexandra Lock.

The Port of Newport lies to the north of the mouth of the River Usk and is accessed via the lower reaches of the river. It consists of two docks, North and South; entrance is through the South Dock Lock.

#### **3.3 FACILITIES & CARGOES HANDLED**

All of the ports handle a variety of general cargoes including petroleum products, steel, unit load (containers), bulk coal, coke, and other minerals, timber, frozen fruit and vegetable products, scrap, and marine-dredged aggregates. There are also occasional visits from cruise vessels.

**3.4 Table 2 Independent Terminals at ABP South Wales**

<b>BARRY</b>					
Vopak	Mr Dave Pratt	01446 736677		Windmill Site, Hayes Road, Sully, Penarth, CF64 5RZ	
<b>CARDIFF</b>					
EMR	Kevin Watkins	02920 488522	07989 994418	Dowlais Wharf, Roath Dock, Cardiff, CF10 4ED	
Cardiff Stevedores	Lloyd Davey	02920 485188	07725 235924	Roath Dock Cargo Terminal, Compass Place, Cardiff Dock, Cardiff, CF10 5LU	
Inver Energy	Control Room	02920 465256		Queen Alexandra Dock, Cardiff, CF10 4RP	
HCB		02920 498303		Longships Rd, Queen Alexandra Dock, Cardiff CF10 4LT	
Valero	Mark McGill	02920 462624	07769 956897	Compass House, Queen Alexandra Dock, Cardiff South Glamorgan, CF10 4LT	
Cardiff Containers	Steve Harris	02920 488866	07785 533977	Cardiff Container Line, South Side Queen Alexandra Dock, Cardiff, CF10 4LU	
<b>NEWPORT</b>					
Sims Metal	Richard Morgan	01633 250650	07715 165999	North Side, South Dock, Alexandra Dock, Newport, NP20 2WE	
W E Dowds	Paul Smith	01633 779900	07789 981666	Alexandra Dock, Newport, NP20 2UW	
CEMEX	Matthew Challenger	01633 279748		Newport Plant, Eastern Wharf, Corporation Road, Newport, NP19 4RE	
<b>PORT TALBOT</b>					
Tata Steel	Martin Jones	01639 872169	07889 861214	Tata Steel Logistics & Shipping, Room No 30, Internal Logistics Building, Port Talbot Works, SA13 2NG	
Civil & Marine		01639 885205		Civil & Marine Slag Cement Ltd, Dock Road, Port Talbot, SA13 1RA	
<b>SWANSEA</b>					
Premier Cement	Phillip Matthews	01792 645302		Shed E, Kings Dock, Swansea, SA1 8QT	

### **3.5 Independent Terminals adopted under ABP plan.**

As from 1<sup>st</sup> February 2006 the following independent terminals have been adopted under the ABP port waste management plan. ABP will provide skips to these berths and administer same. All vessels using these berths will be charged the standard ABP environment fee as shall be in force at the time.

#### **Cardiff**

**HCB / Inver Energy Queen Alexandra Dock**

#### **Newport**

**W.E. Dowds North Dock Terminal**

### **3.6 ABP SOUTH WALES REGIONAL EMERGENCY PLAN**

Ships' Masters and Officers are required to immediately notify Cardiff LPS [tel: +44 (0) 845 6018870], as the Port Authority, of any involuntary discharge of oil, oil-based products and other hazardous substances into the docks. Upon such notification, ABP's Emergency Plan for the South Wales Ports will be activated. Oily wastes and other chemicals collected as a result of these actions will be disposed of by road or barge, using the services of an approved waste contractor.

ABP's South Wales Port's have prepared an Oil Spill Contingency Plan according to the requirements of the Merchant Shipping (Oil Pollution Preparedness and Response Convention) Regulations 1997. The OPRC Plan was prepared in accordance with the MCPU Guidelines for ports, harbours and oil-handling facilities. It is tested on a regular basis with the last exercise being held in 2004.

### **3.7 SPECIAL PROTECTION AREAS / SPECIAL AREAS OF CONSERVATION**

ABP acknowledges that the Severn Estuary is of national and international importance for nature conservation. This importance is reflected in the various designations for the sites. Its international importance is illustrated by its notification as a Site of Special Scientific Interest (SSSI) under the Wildlife and Countryside Act (1981 as amended).

The international importance of the Severn is further indicated by its designation as a Special Protection Area for Birds (SPA) under the Council Directive 79/409/EEC(b) (the Wild Birds Directive) in recognition of its mud and sand flats which provide feeding grounds for significant numbers of over-wintering birds. It is also further designated under the Ramsar Convention on Wetlands of International Importance, especially as Wildfowl Habitat, ratified in 1976.

The Severn Estuary is also being considered as a possible marine Special Area of Conservation (SAC) under the Council Directive 92/43/EEC(c) (the Habitats Directive), because it supports outstanding examples of habitats of European importance.

The Ports of Newport and Cardiff are sited within the Severn Estuary SSSI, Ramsar, SPA and SAC.

It is recognised that ports operating in or near SPAs and SACs should give the highest degree of protection to these areas of European nature-conservation importance and operations which have adverse effects on their nature-conservation status should be avoided or minimised as far as practicable.

#### **4. CONSULTATION**

As with the previous Port Waste Management Plans for the port, ABP South Wales is required to consult with all port users and other organisations having a reasonable interest in the proper disposal of waste arising from shipping activities. The simplest way of ensuring that reception facilities meet the needs of port users and complying with the requirements of the regulations is to talk to those who need to make use of them. During the life of the previous PWMP, a waste questionnaire was used to not only notify the port of the amount and types of waste landed from vessels but also as a means of drawing attention to any areas where service provision could be improved.

The port must ensure that all parties in the waste-management chain – Crew, Ships' Agents, Terminal Operators and Waste Management Contractors – fulfil specific responsibilities as detailed in Section 6, in order to facilitate the plan's satisfactory operation. Most importantly, the port is required to collate and submit to Government annual records of waste landed. These records originate from port users, ships' agents and waste management companies. Since early 2004, these figures have been provided by ABP's electronic prior-notification system set up to deal with one of the new requirements of the 2003 Port Waste Reception Facilities (PWRf) Regulations. For further details on this system, please refer to Section 5.

The full consultation exercise for this PWMP has included representation from port users, waste-management contractors, the local Maritime & Coastguard Agency, the Environment Agency, Port Health Authority, Local Authorities and local DEFRA officers. Consultation has been undertaken using a number of methods, including letters, emails, informal discussions, presentations and formal meetings. The subjects under discussion have been:

- overall operation of the existing Port Waste Management Plan
- type, capacity, number and adequacy of reception facilities
- the new requirements of the PWRF Regulations 2003 and the Animal By-Products Regulations 2003
- location and ease of use of reception facilities
- cost of facilities and the ABP Environmental Charge
- prior notification of waste to be landed, waste statistics and record keeping by ships using the port's facilities (ship operators/agents, terminal operators and waste contractors)
- amounts of waste stored by ships on board for later disposal at another port (ship operators and agents)
- promotion of proper method of disposing of food waste originating from outside the European Union

Consultation with the ships' agents and terminal operators is a continuous process, undertaken by the Port Waste Environment Team on an individual basis or through more formal gatherings as required. Consultation with regulatory bodies and other interested parties will be undertaken on an annual basis or at shorter intervals if any significant changes in operations take place. The 2003 PWRF Regulations increase the lifespan of a Port Waste Management Plan from two years to three, so a complete review of this plan and the procedures associated with it will be carried out in 2017. Should operational activities alter substantially before that date, a new Port Waste Management Plan will be drafted to deal with the situation as it arises.

**Table 3 Individuals and organisations involved**

<b>Name &amp; Organisation</b>	<b>Reason for involvement</b>	<b>Method of involvement</b>	<b>Area of particular interest</b>
<b>Maritime &amp; Coastguard Agency</b>	Regulators of Port Waste Reception Facilities Regulations 2003	Letter and meetings	<ul style="list-style-type: none"> <li>▪ Overall operation of the PWMP</li> <li>▪ Prior notification system</li> </ul>
<b>Environment Agency</b>	Regulators of land-based waste reception facilities	Letter and Email South Wales Ports Web Site	<ul style="list-style-type: none"> <li>▪ Waste-disposal sites</li> <li>▪ Overall operation of the PWMP</li> </ul>
<b>Local Authorities</b>	Port Health Authority	Letter, Email, and Meetings	<ul style="list-style-type: none"> <li>▪ Environmental health implications for the reception &amp; disposal of waste</li> </ul>
<b>Department of the Environment, Fisheries &amp; Rural Affairs</b>	Regulators of Animal By-Products Regulations 2003	Letters and Meeting South Wales Ports Web Site	<ul style="list-style-type: none"> <li>▪ Food-waste reception &amp; disposal</li> </ul>
<b>Animal Health and Veterinary Laboratories Agency</b>	Regulators of Animal By-Products Regulations 2003	Letters and Meeting South Wales Ports Web Site	<ul style="list-style-type: none"> <li>▪</li> </ul>
<b>Terminal Operators</b>	Provision and use of waste reception facilities	Letter or Email	<ul style="list-style-type: none"> <li>▪ Waste-reception charges</li> <li>▪ Information requirements</li> <li>▪ Prior notification system</li> <li>▪ Location &amp; adequacy of waste reception facilities</li> </ul>
<b>Ships' Agents</b>	Provision and use of waste reception facilities – representatives of port users	Letter or Email and Meetings  South Wales Ports Web site	<ul style="list-style-type: none"> <li>▪ Waste-reception charges</li> <li>▪ Information requirements</li> <li>▪ Prior notification system</li> <li>▪ Location &amp; adequacy of waste reception facilities</li> </ul>
<b>Waste Contractors</b>	Representatives of waste management industry and providers of service	Letter or Email, Presentations and Meetings	<ul style="list-style-type: none"> <li>▪ Arrangements for handling waste from vessels</li> </ul>
<b>English Nature</b>	Relevant Authority for SPA/SAC designations	Letter and Email Web Site	<ul style="list-style-type: none"> <li>▪ Nature-conservation management</li> </ul>
<b>Sea Fisheries Committee</b>	Interested authority	Letter or Email	<ul style="list-style-type: none"> <li>▪ Waste-disposal arrangements for fishing fleet</li> </ul>
<b>Tenants</b>	Interested party	Letter or Email	<ul style="list-style-type: none"> <li>▪ Information</li> </ul>

Following approval by the MCA, the finalised Port Waste Management Plan for ABP South Wales will be circulated to all consultees.

## 5. PRIOR NOTIFICATION OF WASTE TO BE LANDED

### 5.1 LEGAL REQUIREMENT

The **Merchant Shipping (Port Waste Reception Facilities) Regulations 2003** requires vessels to notify their next port of call of the types and amount of waste they will be discharging during their time alongside. This information must be given at least 24 hours in advance of arrival or as soon as they leave their last port. Ports have a duty to set up schemes by which this information can be delivered. The regulations permit ports to set up an electronic notification service if they wish to process the information in this manner. Given the numbers of vessels that ABP deals with on an annual basis in our 21 ports, the Company developed an electronic notification system in late 2003 and trialled it in the four ABP ports on the Humber during January 2004. It was extended to cover the whole Company from the beginning of February 2004.

### 5.2 ABP PRIOR NOTIFICATION SYSTEM

The basic premise is very simple. ABP has created a website designed to deal with the advance notification of all types of waste that ships may land. It provides an advance notification service for both MARPOL and cargo-associated wastes and is available at [www.abpnotify.co.uk](http://www.abpnotify.co.uk)

The ships' Agent will raise a notification, part of which will be the waste form from which requests the type and amount of waste to be landed. Once the form has been completed and the Master or the Agent presses the 'submit' button on the screen, the information given is processed in three different ways:

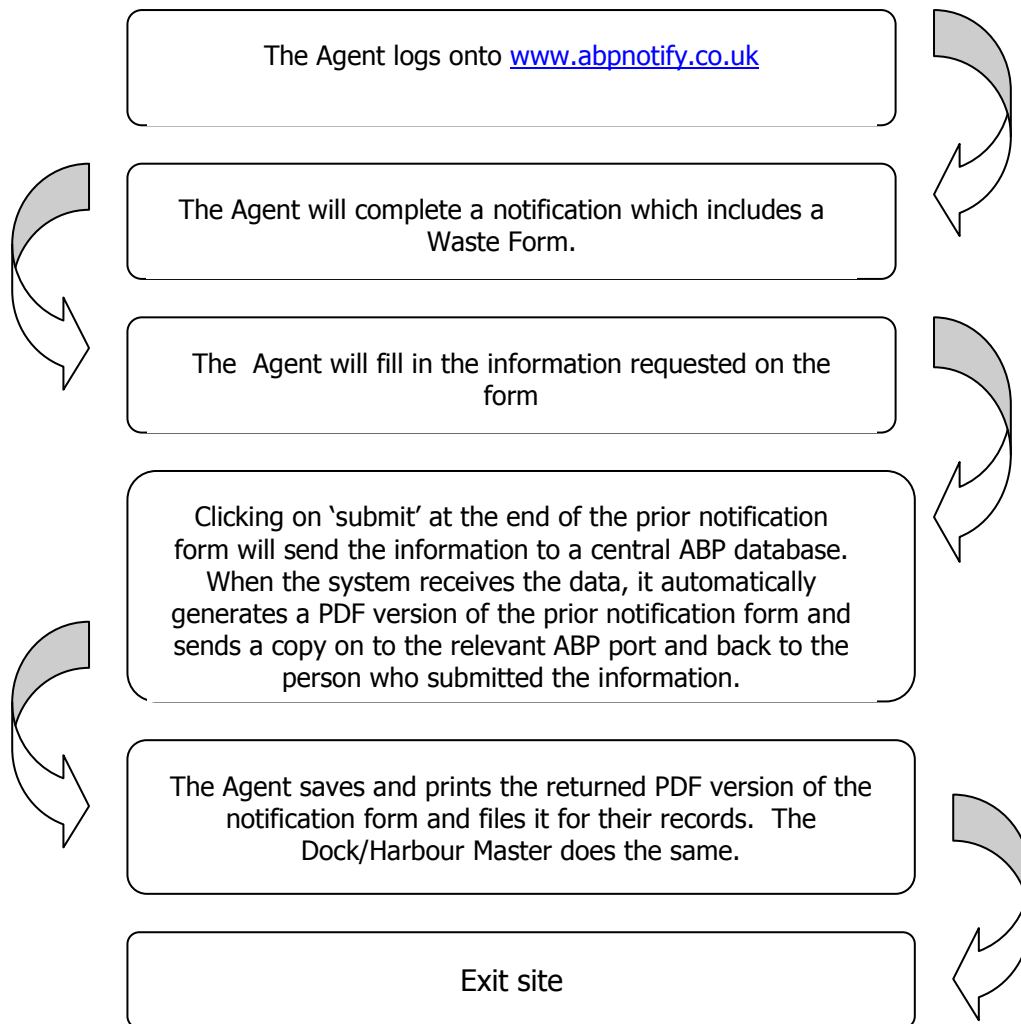
- *Firstly, the information is delivered to a computer server which codes the data as 'belonging' to a particular port and stores it*
- *Secondly, the system takes the data and generates a PDF file, which is sent on to a special 'waste' email address at the port to which the vessel is heading*

The Harbour/Dock Master of the port, or whoever has responsibility for the Port Waste Management Plan, will have access to this email account and be able to print off a hard copy of the notification information. This is necessary in case ABP becomes aware of a problem with a vessel and needs to check whether a waste return has been filed. We may select one return at random, print out a hard copy and present it to the Master for accurate verification, which would act as a check on the accuracy of prior reporting.

- *Finally, the system will generate a second PDF file and send it back to the email address of the person who submitted the information, i.e., either the Agent or the ship. This closes the loop and allows a copy of the Prior Notification form to be downloaded/printed for the ships' own records as confirmation that their waste information has been logged in advance of arrival*

This version can be stored on board, in either hard or electronic format, to prove to Port State Control officers that the vessel has an audit trail for its waste-management practices. This is likely to become more important as enforcement authorities around Europe begin to check on waste management as part of a vessel's survey.

**Figure 1 Prior Notification System**



An example of the Prior Notification form for the Port of Cardiff is included at Appendix E.



## 6. PROVISION OF WASTE RECEPTION FACILITIES

### 6.1.1 RESPONSIBILITIES

#### Port Authority

ABP South Wales has the duty to prepare and revise this Port Waste Management Plan to ensure that adequate and convenient garbage-reception facilities are available throughout the port estate. By consultation and agreement, the provision of certain facilities in specific areas may be undertaken by terminal operators and port users. ABP may recover a significant proportion of the costs involved in waste management from the ships visiting its ports. This will be done via a Mandatory Waste Fee levied on all eligible vessels. Finally, ABP has the duty to maintain records of waste landed in the dock estate, whether or not the reception facilities used are provided or arranged by the Company.

The port will maintain and publish a list of approved licensed waste contractors who are able to provide appropriate waste collection and disposal facilities to port users for all MARPOL Annex wastes. The list is not exclusive and is open to addition and amendment upon production of the necessary licence information (see also Section 6.1.4). The current list is contained in Appendix C. Enquiries relating to the list should be addressed to the Deputy Harbour Master / Port Waste Management Team.

ABP South Wales is not the producer of the ship-generated waste covered by this plan. ABP's responsibility to the waste is to provide a temporary storage facility prior to the waste being removed by an approved contractor for onward disposal at a licensed site. The Maritime & Coastguard Agency confirmed to ABP in 2002 that "the temporary storage of waste at reception facilities for ships in harbours is an activity that is exempt from the need for waste-management licensing. This is set out in Section 36 of Schedule 3 of the Waste Management Licensing Regulations 1994", which states that;

- "36.(1) *The temporary storage of waste consisting of garbage, including any such waste which is special waste, at reception facilities provided within a harbour area in accordance with the Merchant Shipping (Reception Facilities for Garbage) Regulations 1988, where such storage is incidental to the collection or transport of the waste and so long as –*
- (a) *the amount of garbage so stored within a harbour area at any time does not exceed 20 cubic metres for each ship from which waste has been landed; and*
  - (b) *no garbage is so stored for more than seven days."*

The 1988 regulations referred to have been superseded by first the Merchant Shipping (Port Waste Reception Facilities) Regulations 1997 and now by the Merchant Shipping and Fishing Vessels (Port Waste Reception Facilities) Regulations 2003. However, there is an ongoing obligation to ports arising from Annex V of the International Convention for the Prevention of Pollution from Shipping (MARPOL 73/78), to which the UK is a party. ABP has checked with the MCA that the new PWRF legislation does not alter this situation. Correspondence from the MCA in 2004 states that DEFRA lawyers are of the opinion that, providing the conditions set out in Section 36 of the Waste Management Licensing Regulations are met, the temporary storage of ships' waste in harbours is exempt from the need to have a waste-management licence.

### **6.1.2. Terminal Operators**

Waste-management planning within specific terminal areas is the responsibility of the terminal operator, who is required to ensure that suitable waste-reception facilities can be provided in line with MARPOL regulations. Terminal operators shall implement their own Port Waste Management Plans in accordance with the MARPOL regulations, the provisions of the Port Waste Reception Facilities Regulations 2003, the Animal By-Products Regulations 2003 and with due regard to the general principles and requirements set out in ABP's Port Waste Management Plan. Dedicated terminal operators may have to consider setting up prior notification systems for non-exempt vessels using these facilities and will also have to make annual returns to the MCA detailing the waste landed. The PWRF Regulations make provision for such Terminal Operators to levy their own environment fee on visiting vessels to make a significant contribution to the costs of the waste reception facilities provided.

ABP does not take any responsibility for the Port Waste Management Plans or other arrangements made by dedicated terminal operators. Their PWMPs will no longer be submitted to the MCA for approval as part of our plan but will be submitted independently for the MCA's approval. This follows an agreement reached between ABP and the terminal operators during the consultation exercise for the port waste-management planning process.

Where an operator makes use of an ABP-managed berth – i.e., his vessels may have priority on the berth but he does not operate it exclusively – he may also make use of the waste-reception facilities provided under ABP's own waste-management arrangements. Vessels using such facilities will be expected to use ABP's prior notification system and will pay the South Wales Ports Environment Charge.

### **6.1.3. Ships' Agents**

Ships' Agents acting on behalf of ship owners, Masters or managers in arranging provision of waste-disposal facilities or services shall, at all times, pay due regard to the Merchant Shipping and Fishing Vessels (Port Waste Reception Facilities) Regulations 2003, Marine Guidance Notes 253 and 259, MARPOL regulations, the Environmental Protection Act 1990 and the general provisions and requirements set out in this Port Waste Management Plan.

There is a key role for Agents within ABP's new Prior Notification system for waste to be landed. They will have to deal with the advance notification aspect if their vessels cannot do it themselves, including making sure the vessel receives a copy of the returned prior notification form for its own records. Additionally, they will continue to be responsible for making the arrangements between the ship and waste-management contractors for the removal and disposal of all non-garbage, non-operational waste. This includes MARPOL Annex I (oil and oily wastes) Annex II (hazardous or noxious substances in liquid form) and, following its ratification in September 2002, MARPOL Annex IV (sewage). If the vessel intends to discharge any of these wastes, they must fill in the appropriate figures on the Prior Notification form.

Ships' Agents are required to keep full records of requests made by Ships' Masters for the provision of reception facilities for, Annex II and Annex IV wastes, as well as the amounts of these wastes being disposed of through approved waste contractors. Agents are required to keep records of the Waste Transfer Notes generated by waste landed from their vessels for a minimum of 3 years under the requirements of the Environmental Protection Act 1990.

#### **6.1.4. Waste Management Contractors**

Appendix C lists the authorised waste contractors who are approved to operate in ABP's South Wales Ports by virtue of their EPA Waste Management Licence issued in accordance with Section 35 of the Environmental Protection Act 1990, or Disposal Licence issued under Section 5 of the Control of Pollution (Amendment) Act 1989.

If an Agent or terminal operator wishes to use a contractor who does not appear on this list, they should advise ABP's appropriate Dock & Harbour Master of the following:

- Name of the contractor
- Copy of valid Waste Management Licence (where appropriate)
- Proof of registration as a waste carrier
- Statement of company's Environmental Policy
- List of specific types of waste that can be handled by the contractor
- Procedures for collection and disposal of the categories of waste handled by the contractor.

This information shall be provided to ABP **before** using the services of the new contractor, except in an emergency.

By law, a Waste-Transfer Note is generated by the contractor when waste is collected from the port and a copy left with the organisation employing the contractor (i.e., terminal operator, ships' Agent, etc.) The details in the transfer note form the basis of the records to be kept by ABP's South Wales contractor of the amount of waste transferred from the dock estates to disposal sites in any given year. ABP's contractor will use the information gathered from the Prior Notification forms and the Waste Transfer Notes to provide a more accurate picture of the amount of waste landed and taken for disposal. This information is required not only for returns made to the Government but also for ABP's own records, as reported in the Company's annual Corporate and Social Responsibility Reports.

## 6.2 PROVISION OF RECEPTION FACILITIES BY MARPOL ANNEX

Table 4 shows the categories of waste which are likely to be landed under the MARPOL Regulations at the port, taking into account the types of ships and cargoes handled. Unusually large quantities of any type of waste will always require at least 24 hours' notice. This should be given through the ABP Prior Notification system and directly to the waste contractor involved. The table also shows responsibility for making the necessary arrangements. **Charging arrangements are described in Section 8 and Appendix F of this plan.**

**Table 4 Categories of waste expected to be landed in ABP's South Wales Ports and responsibility for the provision of associated facilities**

<b>MARPOL Annex</b>	<b>Type of Waste</b>	<b>Frequency of use of facilities</b>	<b>Responsibility for the provision of facilities</b>
Annex I	Oil	Infrequent	Terminal Operators / Ships' Agents
Annex II	Hazardous substances	Infrequent	Terminal operators / Ships' Agents
Annex IV	Sewage	Infrequent	Terminal operators / Ships' Agents
Annex V	Garbage	Common	Associated British Ports/ Terminal operators / Ships' Agents

The following arrangements have been made for the reception of waste in each MARPOL Annex which is likely to arise at the port. The information has been summarised in Table 5, which denotes the type and capacity of reception facilities and the costs for using them.

### **Annex I – Oil**

Ships' Agents, using licensed waste contractors, make arrangements for the collection of oily wastes from all areas of the port. Collection is normally by road tanker. Most waste contractors require 24 hours' notice to collect oily waste.

Accidental oil spills must be reported.

### **Annex II – Hazardous substances**

Dry bulk vessels are not generally considered to require the provision of fixed facilities for the reception of tank washings at the present time.

Washings from tankers can be readily disposed of by approved waste contractors, generally removed by road tanker, with arrangements being made through the ships' Agents. Most contractors require 24 hours notice. Tank washings are not allowed to be discharged into the dock waters.

Accidental chemical spills must be reported.

## **Annex IV – Sewage**

With the ratification of MARPOL Annex IV in September 2002, ports in the UK had until September 2004 to make suitable provision for the reception of this waste stream in their port waste-planning arrangements. In ABP ports, sewage is disposed of via the same 'direct contract' arrangements between a ships, or her Agent and an approved waste-management contractor as are in place for Annex I and II substances.

## **Annex V – Garbage**

ABP South Wales provides covered bins at fixed locations around the dock estates for the disposal of domestic garbage and food waste originating from inside the European Union. A licensed waste contractor, Amber Engineering Ltd, empties these bins on a regular basis. This process is kept under constant review and the frequency of collection, number of bins and locations can be altered to meet demand. These facilities are available to ships on ABP-managed berths at all times. Ships' crews are expected to use the appropriate bins for the waste to be disposed of. They are also expected to make sure the waste is placed totally inside the receptacle and that the lid is shut firmly to prevent birds, rodents or rain from getting in or the contents escaping.

Some wastes from ships cannot be treated as ordinary garbage and have special handling requirements. Some level of waste stream separation or segregation is, therefore, required on board. Oily garbage and solids should be separated from general garbage and arrangements made with licensed waste contractors for collection. Paint tins still containing paint are now treated as special waste and can only go to licensed disposal sites. They should be dealt with accordingly and collected by an approved contractor.

## **International Catering Waste (ICW)**

**ABP do not provide facilities for the collection of ICW under the Mandatory environmental levy. Any vessel that wishes to land such waste must make an arrangement with one of the approved contractors, giving sufficient notice. Agents, operators and ships masters should note that, ICW covers food and galley waste from any vessel that has visited a port outside of the European Union(whether or not provisions were taken on board) This does not just apply to the last port visited. Port Health officers have previously audited vessels visit records to determine if galley waste they have landed should fall under the category of ICW. . On these occasions the quayside containers have been quarantined and the ship held financially responsible for the disposal of the contents, cleaning of the quayside container and any costs involved in substituting the container. If a vessel has sailed outside of the EU and the Captain certifies that all foodstuffs onboard at the time the vessel visited a non EU port are no longer onboard and the ships food storage areas have been cleaned and disinfected, Port Health officers should accept that any galley waste put into non hazardous Annex V reception Facilities in S. Wales ports is not ICW. A procedure for dealing with unintentional landing of ICW has been appended to the appendix section of this plan on Page 61**

### **6.3 CARGO-ASSOCIATED WASTE**

Throughout ABP's ports, cargo-associated waste such as dunnage, packaging and strapping, is dealt with under the same arrangements as for waste generated through the operational activities taking place on the quayside, such as stevedoring. It is not considered as part of the MARPOL ship-generated arrangements. The only exception to this is for the purposes of prior notification of waste to be landed, where information on cargo-associated waste and cargo residues is requested as part of the advance notification system.

ABP South Wales provides large general skips for the disposal of operational waste. ABP's Operations Team controls the number and location of these bins around the dock estates. Licensed waste contractors empty them on a regular basis.

### **6.4 WASTE MINIMISATION AND RECYCLING**

ABP has a corporate policy to encourage the responsible management of waste, including minimisation and recycling, at the point of its generation. However, the management of ship-generated waste on board vessels, and the extent to which waste is minimised at source, is a matter for ship owners and operators. Evidence from our Port Waste Management Questionnaires (in use from 1998 until superseded by the Prior Notification forms) suggests that a significant proportion of vessels have waste minimisation and treatment equipment on board. These include oily waste separators, incinerators, compactors, shredders, sewage treatment facilities and the separation at source of garbage wastes for recycling or discrete disposal routes. This information has been used to determine the waste management arrangements currently in place in ABP's South Wales Ports. Although careful minimisation and treatment of such wastes at source will reduce the amount of waste landed in ports, it will not eliminate it altogether.

ABP's MARPOL Annex V waste contractor (Amber Engineering Limited) Aim to recycle a large percentage of all ship generated non hazardous waste. After collection from ABP South Wales port reception facilities the Waste is taken to the Amber Waste recycling centre where the waste is separated for recycling and the remainder sent to licensed landfill sites. While all Annex V non Hazardous ship generated waste is collected in the same containers Ships and ship owners may help ABP and Amber Waste to recycle as high a proportion as possible by ensuring that non recyclable galley waste (generated within the EU) is double bagged in sturdy plastic bags so as not to contaminate other recyclable waste that is collected in the same container.

## **7. LOCATION OF FACILITIES AND EASE OF USE**

Based largely on operational requirements established during the lifespan of the previous Port Waste Management Plan, ABP South Wales has considered how best to locate its garbage-reception facilities to ensure that there is no disincentive to their use. In determining the most suitable locations for placing waste-reception facilities if they are required on the quaysides, the port has considered the following factors:

- Access – safety
- Distance from berths
- Visibility
- Signage
- Lighting
- Colour and symbols

**Table 6 Location of Ship-Generated Waste Reception Points at the ABP-managed berths of the Ports of SOUTH WALES**

<b>Port</b>	<b>Location in Port</b>
<b>Swansea</b>	SW 1 Between A & B Sheds Kings Dock
	SW 2 East End of D Shed Kings Dock
	SW 3 4 Quay Kings Dock
	SW 4 West Graigola Wharf Kings Dock
	SW 5 Phoenix Wharf Kings Dock
	SW 6 Swansea Container Terminal
<b>Barry</b>	B 1 31 Berth No 2 Dock
	B 2 Vopak Terminal No 2 Dock
	B 3 A Shed No 2 Dock
<b>Cardiff</b>	C 1 D Shed Queen Alexandra Dock
	C 2 F Shed Queen Alexandra Dock
	C 3 H Shed Roath Dock
	C 4 Seawood Shed Queen Alexandra Dock
	C 5 Chevron Terminal Roath Dock
	C 6 Oil Berth No 1 Queen Alexandra Dock
<b>Newport</b>	NP 1 1/2 Section South Quay South Dock
	NP 2 3 Section South Quay South Dock
	NP 3 4 Section South Quay South Dock
	NP 4 7 Section North Quay South Dock
	NP 5 9 Section North Quay South Dock
	NP 6 24 section Jewsons
	NP 7 11/12 section 3 shed
	NP 8 North dock 22 section Dowds Terminal

### **Access**

Ideally, the route to and from the general Ships waste skips should be clear from obstructions to ensure safe access to both the ships' crews and the waste contractors. For reasons of safety, the skips and bins are located at the perimeters of the main operational areas. Due consideration has been given to the areas of activity of forklifts, trucks, cranes and road vehicles.

### **Distance**

Experience from our waste-management arrangements has shown that best use is made of garbage-reception facilities when there is as short a distance as possible between the vessels and the bins. In view of this, and also with regard to operational safety on the quaysides, where possible, cargo and general garbage skips are placed in such a way as to minimise the maximum distances required for the ships' crews to travel to deposit waste.



**Signage**

The garbage bins are clearly labelled to aid ships' crews in finding them. The Bins are also clearly signed as to what can and cannot be placed in the bin d

**Lighting**

The general cargo and garbage skips are located near lighting, wherever possible, so as to allow safe use around the clock.

**Symbols and Colour**

There is no IMO standard symbol to depict reception facilities for food waste, although ABP, along with other members of the UK ports' industry, has suggested that one be developed.

In ABP's South Wales Ports, bins for receiving general garbage and EU-Galley waste are coloured blue. Special bins for receiving non-EU food waste are available on request and are coloured Blue with a broad yellow horizontal band.



**Table 5 Type, capacity and cost of Port Waste Reception Facilities at ABP SOUTH WALES**

Estimate of total number of vessels calling at the ports per year – approximately 3500 (excluding Port Talbot)

Based on the returns from the year 2010 the average amount landed in each south Wales port was 1706m<sup>3</sup>. It is not expected that this amount will change dramatically, but ABP undertake to monitor the requirement and to respond to demand as per the table below and as stated in paragraph 9.2.

	Oil						Noxious Liquid substances	Sewage	Garbage	
	Dirty Ballast Water	Tank washings (slops)	Oily Mixtures containing chemicals	Scale and sludge from tank cleaning operations	Oily Bilge water	Sludge from purification of fuel oil	Categories A, B or C		General Compactable And EU Galley Waste	ICW
<b>Type &amp; Size of facility</b>	Approved Contractor - 23m <sup>3</sup> Tanker Barrel(s)	Approved Contractor - 23m <sup>3</sup> Tanker Barrel(s)	Approved Contractor - 23m <sup>3</sup> Tanker Barrel(s)	Approved Contractor - 23m <sup>3</sup> Tanker Barrel(s)	Approved Contractor - 23m <sup>3</sup> Tanker Barrel(s)	Approved Contractor - 23m <sup>3</sup> Tanker Barrel(s)	Approved Contractor - 23m <sup>3</sup> Tanker Barrel(s)	Approved Contractor - 23m <sup>3</sup> Tanker Barrel(s)	6.1m <sup>3</sup> Skips	Approved Contractor - up to 6.1m <sup>3</sup>
<b>Method of use</b>	Hose connection from ship's tank to quayside road tanker									
<b>Is Notice required? (If yes, give number of hours)</b>	24	24	24	24	24	24	48	24	24	24
<b>Frequency of emptying</b>	On demand but no less than daily								Twice per week	On Demand
<b>Annual Capacity</b>	Limited only by Ship stay & financial demand									Limited only by Ship stay & financial demand
<b>Amount of waste which should be received</b>	Can only be completed after analysis of 24 hour notification forms									
<b>Amount of waste actually received</b>										
<b>Amount of waste stored by ships for reception in other ports</b>										
<b>Cost of use</b>	Direct contract through agent								Environmental Fee	Direct contract through agent

## **8. COST OF FACILITIES**

Ships should bear the cost of providing waste-reception facilities and for the associated treatment and disposal of the waste landed, although it is recognised that the cost of using port waste-reception facilities should not be so high as to encourage disposal at sea. There is a legal obligation to ensure that the vessel pays and this section outlines the charges made to ships for the use of the waste-reception facilities.

### **8.1 MANDATORY WASTE FEE**

All ships, apart from vessels holding a MCA-exemption certificate, fishing vessels and recreational craft authorised or designed to carry no more than 12 passengers, must contribute significantly to the cost of reception facilities through a mandatory charge, irrespective of their actual use of the facilities provided.

*Since 1998, it has been ABP's policy to recover 100% of the costs involved in providing waste-reception facilities, including an element for our administration of the system. In ABP South Wales, these costs have been recovered by an Environmental Charge, levied as a direct fee on all vessels. However, this universal charge does not take into account the categories of 'exempt' vessels under the Port Waste Reception Facilities Regulations 2003 and, therefore, must be amended.*

ABP South Wales intends to introduce a new Mandatory Waste Fee to replace the existing Environment Charge. The Mandatory Waste Fee will be charged to every non-exempt vessel and will cover the costs of the provision of appropriate bins for receiving ship-generated garbage, the disposal of the waste, any necessary cleaning arrangements and will also include an element to cover ABP's administration of the system. The Mandatory Waste Fee will NOT cover any costs associated with the disposal of the MARPOL Annex wastes outlined in section 8.2 or other waste streams disposed of via 'direct contract' arrangements. These will remain as separate costs to be negotiated and paid by the ship or her agent.

### **8.2 COSTS ASSOCIATED WITH MARPOL WASTES**

#### **8.2.1 MARPOL ANNEX I - OILY WASTE**

Arrangements for oily waste-reception facilities in all areas of the ports are made by Ships' Agents using licensed waste contractors. Ships' Agents will recover the costs incurred through the normal channel of ships' disbursements. In general a direct charge is made for the single use of oil collection services in the port, which varies according to the amount and types of oily wastes landed and contractor used.

Waste removal is a highly competitive business and charges vary considerably between companies, it is therefore difficult to obtain a typical cost. As guidance, however, the total charge (in 2010) for the removal of up to 4m<sup>3</sup> should not exceed £500

## **8.2.2 MARPOL ANNEX II – HAZARDOUS SUBSTANCES**

Arrangements for hazardous substances reception facilities in all areas of the ports are made by Ships' Agents using licensed waste contractors. Ships' Agents will recover the costs incurred through the normal channel of ships' disbursements

In general a direct charge is made for the single use of collection services for hazardous substances in the port, which varies greatly according to the amount and types of chemical wastes landed.

Considering the highly variable toxicity and range of handling requirements for the different types of hazardous substance that might be landed in the port, the charges made for the collection of these wastes are highly substance specific. For this reason, there are no typical charge can be given for the use of this reception facility.

## **8.2.3 MARPOL ANNEX IV – SEWAGE**

Arrangements for sewage-reception facilities in all areas of the ports are made by Ships' Agents using licensed waste contractors. Ships' Agents will recover the costs incurred through the normal channel of ships' disbursements

In general a direct charge would be made for the collection of sewage wastes by road tanker depending on the amounts landed and the contractor used. A typical charge (in 2010) for the collection of sewage wastes from ships is £25 per 1000 gallons, plus approximately £200 transport fees (assuming 1/2 hr is spent on-site). However, at present there is no obligation for the port or terminals to provide such reception facilities or for port users to use them.

## **8.2.4 MARPOL ANNEX V – GARBAGE**

ABP South Wales have investigated a number of possible methods of charging for the use of reception facilities for garbage from ships, each with its advantages and disadvantages. On consideration it was decided that indirect charging was the method most unlikely to act as a disincentive towards the use of garbage-reception facilities in the port. The Mandatory Waste Fee will be a separate charge, not related to ship's dues, for the use of garbage facilities in the common-user berths of the South Wales Ports and will apply on a per ship per call basis, regardless of whether the facilities are used.

## **8.3 CARGO-ASSOCIATED WASTES**

The cost of the skips provided for cargo-associated Wastes is recovered by ABP South Wales as a proportion of the dues paid by a vessel for entering the port. This is separate from the mandatory Environment Charge levied to pay for the reception facilities for ships' garbage and the direct charges negotiated between the vessel's Agent and waste-management contractors for the removal and disposal of the other MARPOL wastes.

## **9. DATA COLLECTION AND ASSESSING THE NEED FOR WASTE RECEPTION FACILITIES**

### **9.1 DATA COLLECTION**

ABP is required to collate the following information on an annual basis:

- The amounts of each type of waste ACTUALLY received in the port
- The amounts of each type of waste which SHOULD be received in the port from prior notification information
- The amounts of each type of waste STORED BY SHIPS for reception elsewhere.

Since June 2004, this information has been available from the data collection element of our Prior Notification system. When the ship submits its advance notification of waste to be landed in one of our South Wales ports, the information is coded and stored in a spreadsheet. The Deputy Harbour Master/Port Waste Management Team has access to this spreadsheet and can see which ships have notified us in advance of arrival, how much/what types of waste they say they will offload and how much they intend to keep on board for discharge at another port of call.

The system has been designed to give totals for any of the information held in a spreadsheet, for example: number of vessels in a month, amount of garbage notified for discharge, amount of prescribed wastes kept on board for disposal elsewhere, etc. The Deputy Harbour Master/Port Waste Management Team will be able to calculate the amounts of all waste types which should be received and the amounts remaining on board from this raw data source. This is regardless of whether the waste in question is intended for an ABP bin or is disposed of via a direct contract with an approved contractor. The Prior Notification forms are designed to be held as 'live' documents for a month after delivery, after which time they will be archived onto a CD-ROM and kept by the Deputy Harbour Master/Port Waste Management Team. However, the system is also capable of having a historic file regenerated on request, should any problems occur with data held on CD-ROMs.

ABP's waste management contractor receives, and retains, a Waste Transfer Note each time the bins containing garbage and EU Galley waste are emptied. When a vessel discharges other MARPOL wastes through the direct services of a waste contractor, the Master should also receive a Waste Transfer Note and the waste contractor should record how much waste was removed. A condition of being approved to operate on an ABP port estate is that the waste contractor shall provide ABP with the information relating to the amount of waste removed in this manner on a quarterly basis. As a result of the new regulations, we have taken the opportunity to tighten up the WTN system and will use them as the best indicator available of the amounts of waste actually landed. The WTN's will be kept for a minimum of three years.

*In this way, the Prior Notification system and the existing use of Waste Transfer Notes will allow ABP to gauge how much waste is notified for disposal, is kept for discharge in another port, and is actually offloaded within the port. This information will be gathered together at the end of the year for submission to the MCA in the formats required by Annexes C and D to the MCA's document, 'Port Waste Management Planning – A Guide To Good Practice' ( April 2004).*

## **9.2 ASSESSING THE NEED FOR WASTE RECEPTION FACILITIES**

The experience gained from the previous port Waste Management Plan, along with the waste-management arrangements within the port, have been instrumental in assessing the ongoing need for waste-reception facilities. As a corporate exercise in 2003, ABP asked all its UK ports to consider whether their existing waste-management arrangements were using the right equipment for the waste landed, delivering appropriate levels of service and best value for money for the users.

ABP's South Wales Ports reviewed their operations in December 2003 and October 2010 and this Revised Port Waste Management Plan reflects the arrangements that are now in place as a result of this process. As with the previous plan, the port and personnel will ensure that the capacity of the facilities provided is sufficient to handle the amounts of waste that might be generated by ships, now and in the future. The collection process and capacities will be kept under constant review and the frequency of collection will be altered to meet demand as necessary.

The Prior Notification form contains contact details for the Deputy Harbour Master, who has overall responsibility for the implementation of this Port Waste Management Plan and the provision of facilities for ship-generated garbage. Any inadequacies in the available facilities should be reported directly to him using this information.

**It is ABP's policy to work with ships' agents and licensed waste contractors to provide whatever waste reception facilities are required by incoming vessels. The Prior Notification for waste system would be utilised to ensure that the appropriate waste reception facilities are available to handle whatever capacity of waste is required to be removed from a ship.**

## **9.3 VESSELS FALLING OUTSIDE THE SCOPE OF THE REGULATIONS' PROVISIONS**

For fishing vessels, recreational craft and the other classes of vessels which are exempted or otherwise not included in the scheme to satisfy the Regulations, ABP, or the appropriate terminal operator, must still provide adequate waste reception facilities. The costs of these will be met from harbour dues or other charges levied on the vessels in question, but all waste-management costs will be clearly outlined in the published tariff or agreement.

Where vessels do not have to provide advance notification of waste to be landed, ABP will only have the figures from the Waste Transfer Notes as an estimate of how much waste has been discharged. By its very nature, this will be a less precise figure than the other data gathered on waste notified and landed but it will still be accommodated within the annual returns for the port.

**A vessel, which is NOT exempt, but which fails to make a return under the required Prior Notification, then that vessels agent would be informed and requested to undertake such a return before the vessel is docked. If such a return had still not been received the time the vessel arrived then the MCA would be advised so that further action could be taken against the vessel.**

## **10. INFORMATION**

ABP has considered a number of possible methods to ensure that all port users are aware of waste-management procedures, including the operation of the Prior Notification system, the location of bins and the costs of using reception facilities. The various methods include:

- letters sent to Agents detailing the additional requirements for both the port and the ships/Agents contained in the Port Waste Reception Facilities Regulations
  - briefing notes and presentations for Agents and terminal operators on the Prior Notification system and new Port Waste Management Plan
  - summary leaflets outlining both the six steps of the Prior Notification system and the details of waste-management procedures
  - notification on ABP websites of new arrangements
  - circulation of new Port Waste Management Plan to all Agents and regular port users
  - direct representation to Master by Pilots
- 
- notice boards and signage highlighting waste-reception facilities
  - port maps showing location of waste-reception facilities.

### **10.1 PRIOR NOTIFICATION FORM**

The returned PDF version of the completed Prior Notification form contains details for the port's Deputy Harbour Master, should a vessel or its Agent need to contact him to report problems with waste reception facilities.

### **10.2 SIGNPOSTS**

Signposts have been used to clearly identify the location of waste-reception points around the ABP-managed berths at the ports. The locations for garbage skips are indicated by large yellow signs with black type stating "WASTE RECEPTION POINT FOR SHIP-GENERATED WASTE". Such signs provide essential information for port users and waste contractors alike. The use of symbols and translated phrases on the signs make the use of garbage-reception facilities easier and provide further information to ships, especially for their non-English speaking crews.

### **10.3 CIRCULATION OF PORT WASTE MANAGEMENT PLAN TO ALL SHIPS' AGENTS AND REGULAR PORT USERS**

A copy of the revised 2010 ABP South Wales Port Waste Management Plan will be posted on ABP's

South Wales Ports website ([www.southwalesports.co.uk/pinfo/wastemanagement.htm](http://www.southwalesports.co.uk/pinfo/wastemanagement.htm))

Formal letters will be sent to Agents and port users advising them of this in due course.



## **11. REVIEW PROCEDURE**

The ABP South Wales Port Waste Management Plan will be reviewed by the ports on a three-yearly basis, in keeping with the requirements of the Merchant Shipping and Fishing Vessels (Port Waste Reception Facilities) Regulations 2003.

As with the review process that produced this plan, the next exercise will consider:

- continuous feedback from consultation on all aspects of the waste-management planning process
- changes in type and volume of traffic using the port
- updated and improved records of the amounts of waste notified in advance of arrival and actually landed and disposed of
- updated waste-management arrangements, probably following another review of the arrangements set up in 2004.
- any relevant changes in MARPOL Regulations, such as the designation of additional Special Areas or the ratification or introduction of new annexes.

***APPENDICES***

APPENDIX A	EXAMPLES OF GARBAGE & DEFINITION OF MARPOL
APPENDIX B	FURTHER INFORMATION ON THE APPLICABILITY OF THE PORT WASTE RECEPTION FACILITIES REGULATIONS
APPENDIX C	APPROVED WASTE CONTRACTORS FOR ABP SOUTH WALES
APPENDIX D	SHIPS' AGENTS FOR ABP SOUTH WALES
APPENDIX E	BLANK EXAMPLE OF WASTE PRIOR NOTIFICATION
APPENDIX F	CALCULATIONS FOR MANDATORY WASTE FEE 2010
APPENDIX G	AMOUNTS OF OIL, SEWAGE AND GARBAGE WASTES GENERATED BY SHIPS VISITING ABP SOUTH WALES 2009
APPENDIX H	MAPS OF ABP SOUTH WALES SHOWING WASTE RECEPTION FACILITIES
APPENDIX I	EXAMPLE OF INFORMATION LEAFLET FOR ABP CARDIFF
APPENDIX J	EXAMPLE OF ABP PRIOR NOTIFICATION SYSTEM SUMMARY LEAFLET
APPENDIX K	EXAMPLES OF CONSULTATION WITH OUTSIDE PARTIES

## **APPENDIX A**

### **EXAMPLES OF GARBAGE**

#### **SHIP GENERATED NON-HAZARDOUS WASTE**

- Catering waste which is unloaded from vessels which operate inside of the European Union Area
- 
- Packaging materials such as plastics, cans, etc. from food produced within the European Union or from a vessel whose last port of call was within the European Union
- Packaging materials such as plastics, cans, etc. from food produced outside the European Union or from a vessel whose last port of call was outside the European Union
- Bottles, crockery, etc.
- Paper, cardboard, magazines, etc.
- Other items of domestic refuse from crews' quarters and galleys, e.g. plastic shampoo bottles, razor blades, etc.
- 

#### **INTERNATIONAL CATERING WASTE (ICW)**

- Catering waste which is unloaded from vessels which operate outside of European Union member states

#### **OPERATIONAL WASTE**

- Maintenance wastes:
  - oily rags/pads
  - machinery maintenance remains
  - soot & machinery deposits
  - broken parts
  - packaging materials
  - rust
  - paint
- Cargo residues
- Cargo-associated wastes:
  - dunnage
  - pallets
  - lining
  - strapping
  - metal banding
- Miscellaneous:
  - shellfish shells
  - fishing gear
  - polystyrene boxes
  - ash/slag from on-board incineration plants

#### **DEFINITION OF MARPOL ANNEX V – GARBAGE**

Garbage means all kinds of victual, domestic and operational waste, excluding fresh fish and parts thereof, generated during the normal operation of the ship and liable to be

disposed of or continuously or periodically present, except those substances which are defined or listed in other Annexes to the present MARPOL Convention.

## APPENDIX B

### FURTHER INFORMATION ON THE APPLICABILITY OF THE PORT WASTE RECEPTION FACILITIES REGULATIONS

The following categories of vessel fall outside the scope of the requirements of the Merchant Shipping (Port Waste Reception Facilities) Regulations 2003 and do not have to notify or discharge waste nor pay the mandatory Environmental Charge.

Vessel Type	Conditions to be fulfilled for vessels to fall outside of the scope of the regulations to notify, offload and pay mandatory charges
<b>1. Vessels under the Small Commercial Vessel Code of Practice</b>	Lay down provisions for sound waste management with further guidance to be provided in the forthcoming harmonised Small Commercial Vessel Code of Practice.
<b>2. Warships, Naval Auxiliary ships and Vessels owned or operated by a state,</b> and on government non-commercial service	Regulations do not apply but vessel is advised to consider the spirit of the regulations and apply best environmental practice
<b>3. Tugs/Pilot Boats</b> operating on a regional basis	Outside of scope of regulations unless vessel is calling at a port/terminal for reasons other than operating on behalf of other vessels, or is overnighting at a facility other than its home port/terminal
<b>4. Class IV</b> – Passenger Ships engaged only in voyages in category A, B, C and D waters.	Lay down provisions for waste management under Domestic Safety Management Code
<b>5. Class V</b> – Passenger Ships engaged only in voyages in category A, B and C waters.	Lay down provisions for waste management under Domestic Safety Management Code
<b>6. Class VI</b> – Passenger Ships carrying not more than 250 passengers to sea, or category A, B, C, and D waters in all cases in favourable weather and during restricted periods during which the vessel is at no time more than 15 miles exclusive of A, B, C and D waters from their point of departure nor more than 3 miles from land.	Lay down provisions for waste management under Domestic Safety Management Code
<b>7. Class VI (A)</b> – Passenger ships carrying not more than 50 passengers for distances not more than 6 miles on voyages to or from isolated communities on the islands or coasts of the UK and which do not proceed for a distance of more than 3 miles from land.	Lay down provisions for waste management under Domestic Safety Management Code
<b>8. Class IX (A)</b> – Ships (other than ships of class IV to VI inclusive) which do not proceed to sea.	These vessels should ensure that their ship generated wastes are handled in an environmentally sound manner with further information to be provided in forthcoming standards and guidance. If the vessel proceeds to sea with a loadline exemption then it must fulfil the regulations
<b>9. Class IX (A) (T)</b> – Tankers which do not proceed to sea.	These vessels should ensure that their ship-generated wastes are handled in an environmentally sound manner with further information to be provided in forthcoming standards and guidance. If the vessel proceeds to sea with a loadline exemption then it must fulfil the regulations

Such vessels must lay down their own sustainable waste-management practices in their applicable codes of practice to ensure they manage their wastes in a manner consistent with the spirit of the PWRF Regulations. Guidance from the Maritime & Coastguard Agency suggests that this should take the form of individual contracts or similar arrangements with approved waste-management contractors or the terminal at which they call.

### **Dredgers, Survey Ships and comparable vessels**

MCA Guidance states that these vessels, which are not 'bound' for another port or terminal per se, may apply to the MCA for an exemption in the same manner as any other vessel if they can demonstrate scheduled, frequent and regular sailings with robust waste-management practices at their home port or terminal. Refer to MGN 253 and MGN 259 for further information.

## **APPENDIX C**

### **APPROVED WASTE CONTRACTORS FOR ABP SOUTH WALES**

#### **Main Contractor**

Amber engineering LTD  
 T/A Amber Services  
 The Recycling Centre  
 Dyffryn Business park  
 Ystrad Mynach  
 Hengoed  
 Caerphilly  
 CF82 7RJ

#### **Authorisation**

Annex V, (ICW)

#### **Other Approved Contractors**

Castle Environmental  
 Waste treatment centre  
 Clipper road  
 Cardiff  
 CF10 4LX

Annex I, II, IV

Eco-Oil  
 Clarence House  
 Clarence Place  
 Newport  
 South Wales  
 NP19 7AA

Annex I, II, IV

**NB The above contractors also have depots in west Wales serving Swansea and Port Talbot. They can be contacted direct or through above addresses.**

**APPENDIX D****SHIPS AGENTS FOR ABP SOUTH WALES**

Bay Shipping  
First Floor  
124/125 Bute Street  
Cardiff

CF10 5AE

Tel: 02920 453399

Fax: 02920 454343

E-mail: [agency@bayshipping.co.uk](mailto:agency@bayshipping.co.uk)

Clarkson Brothers

Ground Floor

St Andrews House

St Andrews Road

Avonmouth

Bristol

BS11 9DQ

Tel: 01179380810

Fax: 01179382183

[avonmouth@clarksons.com](mailto:avonmouth@clarksons.com)

Celtic Logistics

71 Rhyd-y-Penau Road

Cardiff

South Glamorgan

Tel:029 20753444

Fax 029 20757324

E-mail: [theo@celticlogistics.co.uk](mailto:theo@celticlogistics.co.uk)

Charles Willie Group

Celtic House

6 Ocean Way

Cardiff

CF24 5HG

Tel: 02920 475740

Fax: 02920 475744

E-mail: [agency@williegroup.co.uk](mailto:agency@williegroup.co.uk)

Tata Steel Logistics & Shipping  
Room 30 Internal Logistics Building  
Port Talbot Works, SA13 2NG

Tel: 01639 872169

Fax: 01639872163

E-mail: [shipping-agency-pt@tatasteel.com](mailto:shipping-agency-pt@tatasteel.com) .

Cory Brothers

Alexandra Docks

Newport

NP20 2NP

Tel: 01633 266351

Fax: 01633 256915

E-mail: [corynewport@cory.co.uk](mailto:corynewport@cory.co.uk)

Denholms

Avonmouth Dock

Bristol

BS11 9DM

Tel: 01179825836

Fax: 01179826272

E-mail: [agency.brs@denholm-wilhelmsen.com](mailto:agency.brs@denholm-wilhelmsen.com)

Harvest Shipping

Victoria House

1 Station Approach

Penarth

CF64 3EE

Tel: 02920 713838

Fax : 02920 713839

E-mail: [westcoast@harvest-shipping.co.uk](mailto:westcoast@harvest-shipping.co.uk)

Inchcape

Gordano Quay

Royal Portbury Dock

Bristol

BS20 7XF

Tel: 01275 375868

Fax: 01275 375380

E-mail: [gbpby@iss-shipping.com](mailto:gbpby@iss-shipping.com)



Marine Shipping Services  
Newport Dock  
Alexandra Dock  
Newport  
NP20 2NP  
Tel: 01633 255255  
Fax: 01633 255180  
E-mail: [marineshipping.services@virgin.net](mailto:marineshipping.services@virgin.net)

Osprey Shipping Ltd  
Gordano Rd  
Royal Portbury Dock  
Bristol  
BS20 7XQ  
Tel: 01275 374636  
Fax: 01275 373250  
E-mail: [bristolchannel@ospreyltd.com](mailto:bristolchannel@ospreyltd.com)

Graypen  
Old Customs House  
East Block  
Newport  
Queen Alexandra Dock  
NP20 2NP  
Tel: 01633 254385  
Fax: 01469 552914  
E-mail: [newport@greyphen.com](mailto:newport@greyphen.com)

Cargo Services (UK) Ltd  
Roath Dock Cargo Terminal  
Compass Place  
Port of Cardiff  
CF10 4LL  
Tel : 02920485188  
Fax 02920485189  
E-mail [agency@cargoservicesuk.com](mailto:agency@cargoservicesuk.com)

GAC Shipping (UK) Ltd  
Merlin House  
1 Langstone Business Park  
Newport  
NP18 2HJ  
Tel: 01633 264199  
Fax: 020 7067 9145  
E-mail: [agency.bristolchannel@gac.com](mailto:agency.bristolchannel@gac.com)

Premiership  
The Old Custom House  
74 Lower Dock  
Newport  
NP20 1EH  
Tel: 01633 244880  
Fax: 01633 840360  
E-mail: [enquiries@premiership.ltd.uk](mailto:enquiries@premiership.ltd.uk)

TU Agencies  
Alexandra Dock  
Newport  
NP20 2UW  
Tel: 01633 259932  
Fax: 01633 266727  
Email: [tualimited@aol.com](mailto:tualimited@aol.com)



**ASSOCIATED BRITISH PORTS – PORT OF CARDIFF  
PORT WASTE MANAGEMENT NOTIFICATION FORM**

**THIS FORM IS TO BE COMPLETED UNLESS THE SHIP HAS BEEN GRANTED AN  
EXEMPTION BY THE MARITIME & COASTGUARD AGENCY**

**Ship information**

Name of Ship\* ..... IMO Number.....

Call Sign\* ..... Flag State\* .....

ETA\* Date.....Time..... ETD\* Date.....Time.....

Number of Crew\* ..... Berth No./Terminal\* .....

Last port of call\* ..... Next port of call\* .....

Ship's Agent\* ..... Email address\* .....

\* THIS INFORMATION MUST BE GIVEN OR THE FORM WILL NOT BE ACCEPTED

**ALL**       **SOME**       **NONE**

If delivering all waste, complete **Red** column data fields only. Otherwise, complete all columns.

<b>Waste</b>	Amount of waste to be delivered (m <sup>3</sup> )	Maximum dedicated storage capacity (m <sup>3</sup> )	Amount of waste retained on board (m <sup>3</sup> )	Port where remaining waste will be delivered	Estimated waste to be generated before next port of call (m <sup>3</sup> )
<b>Oil</b>					
Oil	0	0	0		0
Oily mixtures containing chemicals	0	0	0		0
Sludge from purification of fuel oil	0	0	0		0
<b>Noxious liquids</b>					
Dirty ballast water & tank washings	0	0	0		0
Other (please specify) <input type="text"/>	0	0	0		0
<b>Sewage</b>					
Untreated sewage	0	0	0		0
Part-treated sewage	0	0	0		0
<b>Garbage</b>					
Food waste & packaging <b>This waste is from within the EU</b>	0	0	0		0
International Catering Waste	0	0	0		0
Separated for recycling	0	0	0		0

Other (please specify) <input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text" value="0"/>
<b>Cargo-associated waste<sup>1</sup></b>					
Dunnage	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text" value="0"/>
Other (please specify) <input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text" value="0"/>
<b>Cargo residues<sup>1</sup></b>					
Scale & Sludge from tank cleaning	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text" value="0"/>
Other (please specify) <input type="text"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text"/>	<input type="text" value="0"/>
<sup>1</sup> May be estimates					

- Notes: 1. This information may be used for Port State Control and other inspection purposes  
2. EU Member States will determine which bodies will receive copies of this notification  
3. This form is to be completed unless the ship is covered by an exemption in accordance with Article 9 of Directive 2000/59/EC, issued in the UK by the Marine & Coastguard Agency (MCA)  
4. International Catering Waste (ICW) is defined under the EU Animal By-products Regulations (1774/2002/EC) as "catering waste from means of transport operating internationally". Any catering waste from a vessel that has landed in a non-EU port is subject to these controls after returning to the EU. This includes all vessels that have docked/landed in non-EU countries even if the vessel has been provisioned in the EU.

If a declaration from the Ship's Master is provided stating that the ship's stores have been completely emptied, cleaned, disinfected and re-stocked in the EU, catering waste from these supplies would not be considered to be ICW. Please refer to [http://www.defra.gov.uk/animalH/int-trde/icw/pdf/icw\\_candd.pdf](http://www.defra.gov.uk/animalH/int-trde/icw/pdf/icw_candd.pdf).

**Do you treat or minimise waste on board?**      YES       NO

If the answer is YES, please state which equipment you use (Tick all boxes that apply)

Oily separator       Incinerator       Compactor       Sewage treatment   
Recycling facilities       Other (please specify)

### STATEMENT

**I confirm that the above details are correct and there is sufficient dedicated onboard capacity to store all waste generated between notification and the next port at which waste will be delivered.**

Date:       Time:

Name:       Position:

Send email receipt:

## APPENDIX F

### CALCULATIONS FOR THE ABP MANDATORY WASTE FEE

The Merchant Shipping and Fishing Vessels (Port Waste Reception Facilities) Regulations 2003 require ports to levy a charge on vessels to pay for a “significant” proportion of the costs incurred in the provision of waste reception facilities.

ABP South Wales will discharge this duty by charging non-exempt vessels a Mandatory Waste Fee to cover waste-management costs. It will follow the corporate ABP policy of recouping 100% of costs involved in the provision of garbage-reception facilities. The costs of providing operational waste reception facilities are covered under separate arrangements. Overall, however, ships will contribute – through the Mandatory Waste Fee – to at least 30% of the total costs involved with waste management in this port.

**The Mandatory Waste Fee is calculated by dividing the total cost of waste-reception facilities provided by ABP, including an element of administration, by the number of non-exempt vessels visiting the ports.** The fee will be reviewed and revised at the end of each year, when the costs for waste disposal – including the annual increase in Landfill Tax – will be agreed with ABP’s waste contractors. The port will notify vessels and their Agents of the new annual charges. The MCA will also be notified about changes to the fee by means of an addendum to this Port Waste Management Plan.

**N.B.** The Mandatory Waste Fee relates only to the costs of dealing with ship-generated garbage. All other costs in regards to the reception and disposal of oil, hazardous waste and sewage are to be borne by the ship. At the present time this also includes non-EU waste but this may change if the decision is made to treat ALL waste as Category 1.

Historically charges have been levied in two bands, vessels under 3000 gt, and vessels over 3000 gt. ABP South Wales has decided to replace this with a single charge made to all non-exempt vessels, currently set at £68.10, and will review on an annual basis

At that time calculations will be made which truly reflect the costs of providing the service, they will be totally transparent, and will be promulgated to all interested parties.

**As stated above, the formula to be used will be the total cost of providing the waste reception and disposal service, including a small administration charge, divided by the total number of non-exempt vessels visiting ABP’s South Wales ports.**

**Total Cost of Provision**

-----

**Number of non-exempt vessels**

**APPENDIX G****WASTE LANDED AT SOUTH WALES PORTS FOR 2012**

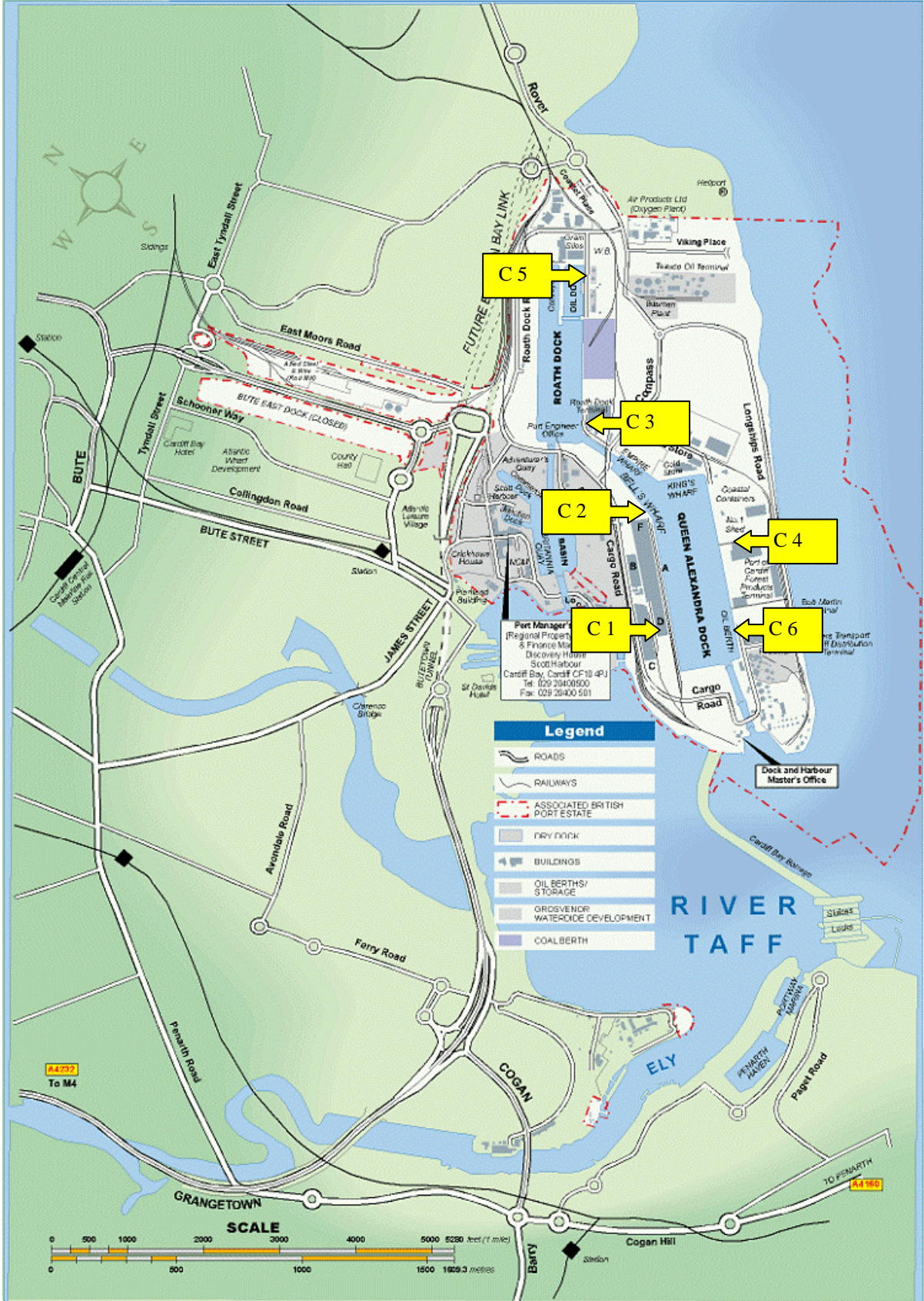
	Jan-	Feb-	Mar-	Apr-	May-	Jun-	Jul-	Aug-	Sep-	Oct-	Nov-	Dec-	Total
Waste Collected (Kg)	12	12	12	12	12	12	12	12	12	12	12	12	338701
Waste Recycled (kg)	36100	36380	49230	32260	33900	25530	26170	25711	19920	15920	20760	16820	338701
Waste Recycled (kg)	31041	30922	42331	27742	28475	22466	23028	22111	17530	13926	18268	14632	292472
Number of lifts	103	98	129	75	77	51	56	56	38	35	40	34	792
Garbage pre notified (m <sup>3</sup> )	17.04	26.51	24.66	30.02	36.78	21.76	18	21.06	19.879	21.184	29.94	13.71	280.54
Pre notifications received	60	89	90	79	89	88	62	101	113	97	96	78	1042

## APPENDIX H

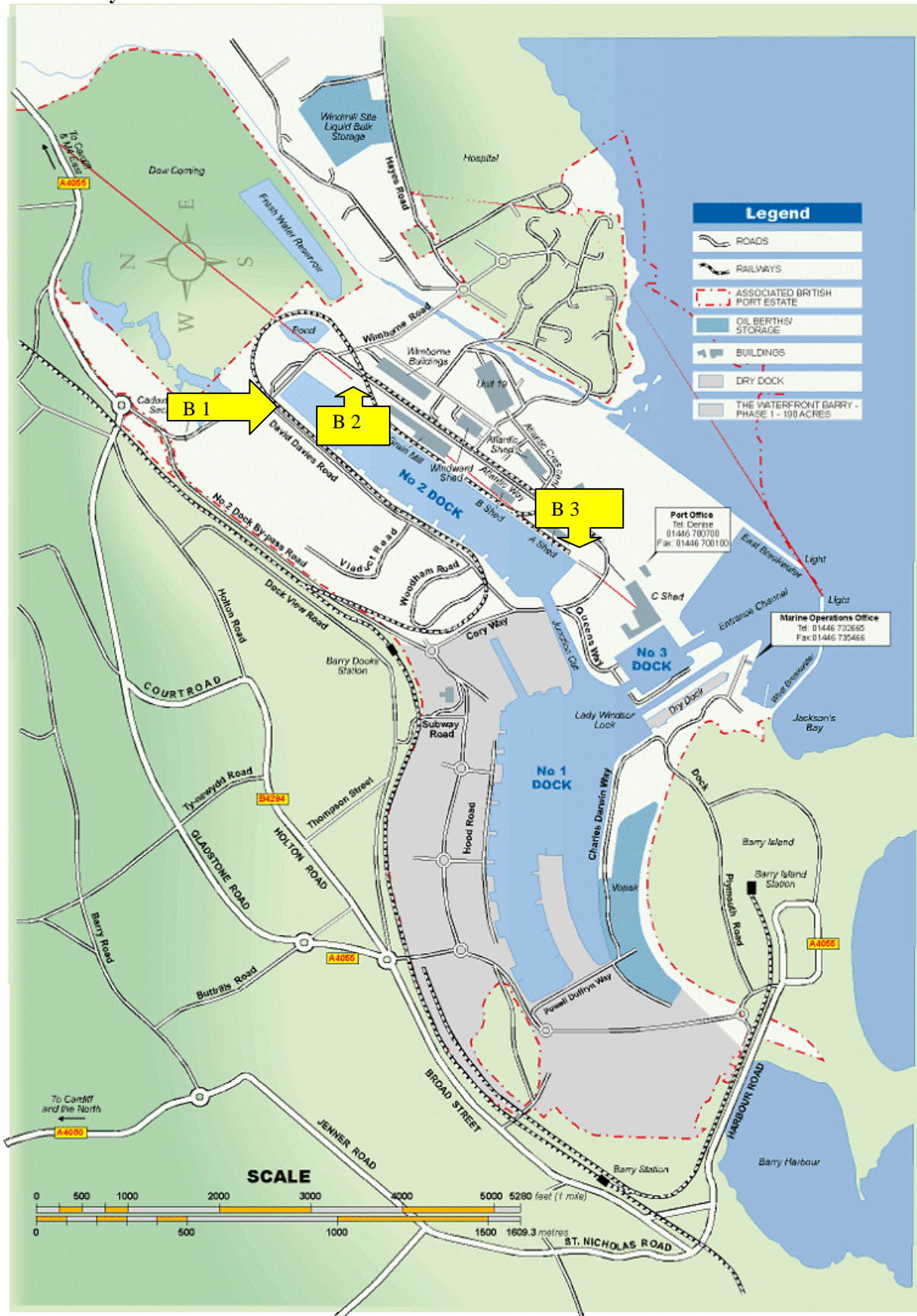
### LOCATION OF SHIP-GENERATED WASTE RECEPTION POINTS AT THE ABP-MANAGED BERTHS OF THE PORTS OF SOUTH WALES

Port	Location in Port
<b>Swansea</b>	SW 1 Between A & B Sheds Kings Dock
	SW 2 East End of D Shed Kings Dock
	SW 3 4 Quay Kings Dock
	SW 4 West Graigola Wharf Kings Dock
	SW 5 Phoenix Wharf Kings Dock
	SW 6 Swansea Container Terminal
<b>Barry</b>	B 1 31 Berth No 2 Dock
	B 2 Vopak Terminal No 2 Dock
	B 3 A Shed No 2 Dock
<b>Cardiff</b>	C 1 D Shed Queen Alexandra Dock
	C 2 F Shed Queen Alexandra Dock
	C 3 H Shed Roath Dock
	C 4 Seawood Shed Queen Alexandra Dock
	C 5 Chevron Terminal Roath Dock
	C 6 Oil Berth No 1 Queen Alexandra Dock
<b>Newport</b>	NP 1 1/2 Section South Quay South Dock
	NP 2 3 Section South Quay South Dock
	NP 3 4 Section South Quay South Dock
	NP 4 7 Section North Quay South Dock
	NP 5 9 Section North Quay South Dock
	NP 6 24 section Jewsons
	NP 7 11/12 section 3 shed
	NP 8 North dock 22 section Dowds Terminal

Port of Cardiff

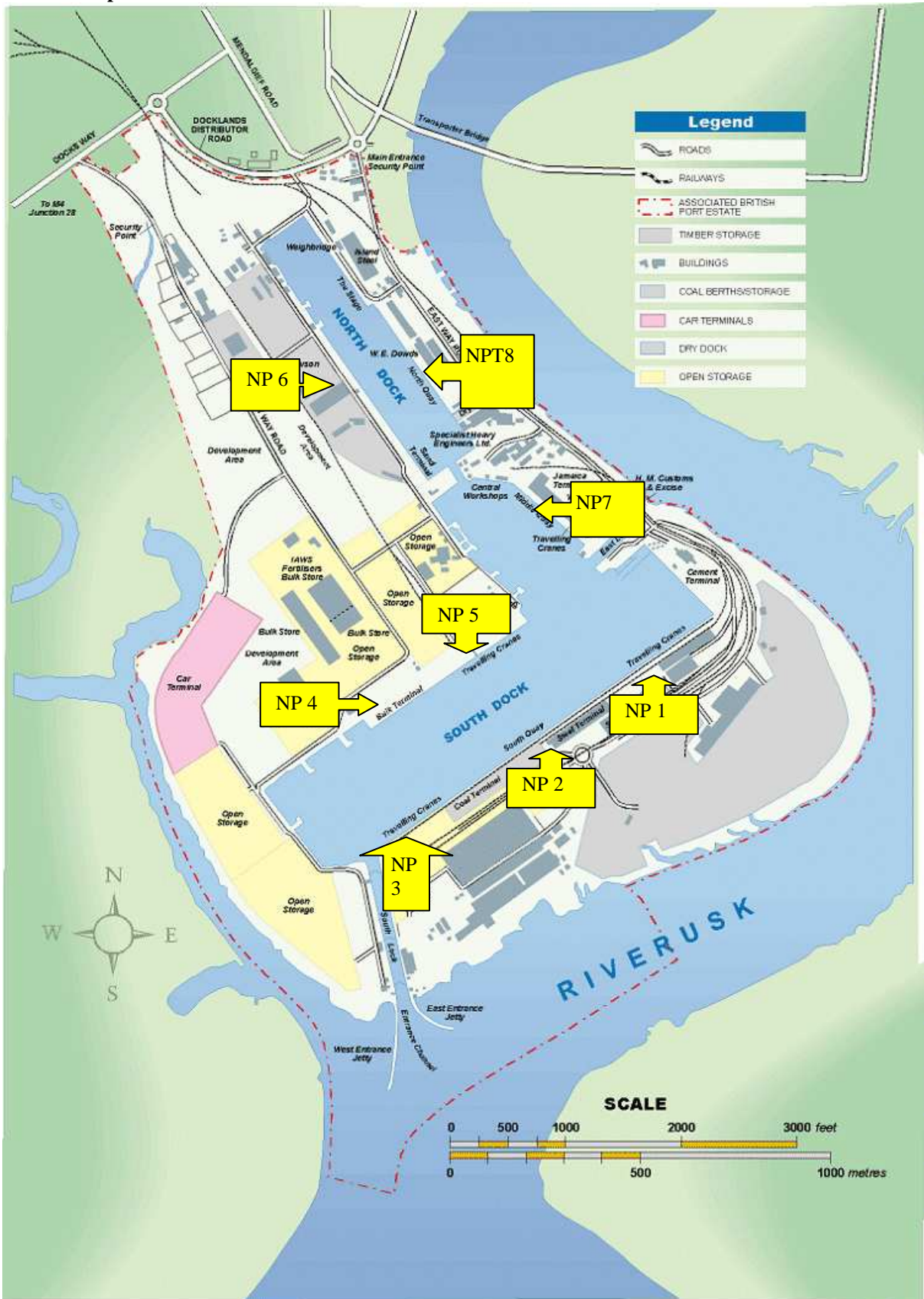


Port of Barry





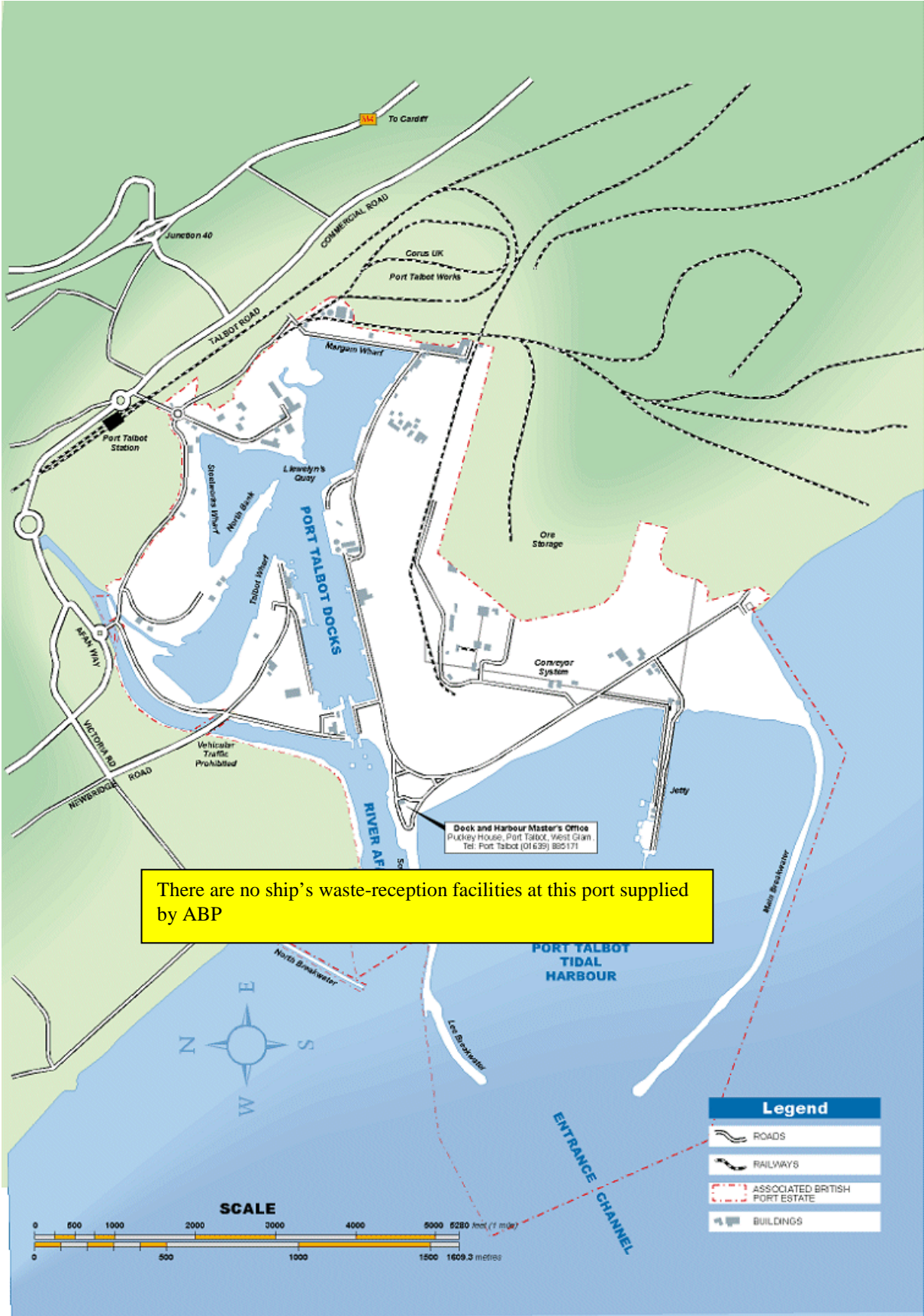
### Port of Newport



Port of Swansea

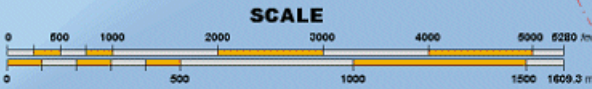


Port of Port Talbot



There are no ship's waste-reception facilities at this port supplied by ABP

Legend	
	ROADS
	RAILWAYS
	ASSOCIATED BRITISH PORT ESTATE
	BUILDINGS



## **APPENDIX I**

### **EXAMPLE OF INFORMATION LEAFLET FOR VESSELS**

#### **WASTE DISPOSAL**

##### **DISPOSAL OF SHIP GENERATED WASTE IN ABP SOUTH WALES PORTS**

MASTERS; SHIPPING AGENTS; FISHING VESSEL SKIPPERS PLEASE NOTE:

SKIPS FOR SHIP'S WASTE (INCLUDING FOOD) THAT ORIGINATES FROM WITHIN THE EUROPEAN UNION ARE LOCATED AS PER PLANS.

FOOD WASTE FROM OUTSIDE THE EUROPEAN UNION MUST BE COLLECTED SEPERATLY BY WASTE CONTRACTOR. PLEASE CONTACT YOUR AGENT/PORT AUTHORITY IF THIS SERVICE REQUIRED.

WASTES OTHER THAN THE ABOVE, INCLUDING OIL WASTE, CAN BE DISPOSED OF BY ARRANGEMENT THROUGH YOUR AGENT OR PORT AUTHORITY.

CONTACT AT ANYTIME: HARBOUR MASTERS OFFICE (CARDIFF LPS)

TEL:02920835023

## APPENDIX J

### ASSOCIATED BRITISH PORTS

#### PORT WASTE NOTIFICATION : [www.abpnotify.co.uk](http://www.abpnotify.co.uk)

##### 1. Introduction

The **Merchant Shipping and Fishing Vessels (Port Waste Reception Facilities) Regulations 2003** requires most vessels to notify their next port of call of the types and amount of waste they will be discharging during their time alongside. This information must be given at least 24 hours in advance of arrival or as soon as they leave their last port.

##### 2. ABP Prior Notification System

ABP has developed a website to handle all the waste notification information for all our ports. Electronic notification forms are to be used by **ALL** vessels heading to an ABP-managed berth or terminal, unless in possession of an MCA-exemption certificate.

There are 6 simple steps to online prior notification.

- Step 1:** The Agent logs onto [www.abpnotify.co.uk](http://www.abpnotify.co.uk).
- Step 2:** Select 'Submit new Notification'
- Step 3:** Fill in the information requested on the notification form. Certain questions on the waste form have a red star next to them – these must be filled in or the questionnaire will not be accepted by the system. **ALL** data fields should have an answer within them, even if it is just 'nil', '0' or 'not appropriate'.
- Step 4:** Click on 'SUBMIT' at the end of the notification form to send the information to ABP's database. When the system receives the data, it automatically generates two PDF versions of the notification form – one copy is sent on to the relevant ABP port and the other is sent back to the email address of the person who submitted the information (i.e. either the Master or the Agent).
- Step 5:** The Agent saves and prints the returned PDF version of the notification form and files it for their records.
- Step 6:** Exit site

ABP may select one prior notification response at random, print out a hard copy and present it to the Master for accurate verification, which would act as a check on the accuracy of prior reporting.

##### Back-up system

If you cannot get onto the website address, or have difficulties in submitting the notification form, but only as a last resort, get a blank copy of the prior notification form from the ABP port and fill in the data by hand before faxing it to ABP. The fax number will be at the bottom of the form but please note that you **MUST** send the right information to the right port! You should keep the fax transmission report as proof that the notification was given in advance of arrival. ABP will record your information on the computer system should this circumstance arise. *This back-up system is only to be used in emergencies – use the main system normally.*

##### Contact

Captain Rod Lewis  
Deputy Harbour Master South Wales  
ABP South Wales Ports  
Queen Alexandra House  
Cargo Road CARDIFF  
CF10 4LY

Tel: +44 (0) 29 2083 5090  
Fax: +44 (0) 29 2083 5006

## APPENDIX K

Letter sent to all Agents and other interested parties inviting them to a presentation

Associated British Ports  
Queen Alexandra House  
Cargo Road  
CARDIFF  
CF10 4LY

**18<sup>th</sup> November 2003**

**Dear Sir,**

### **Associated British Ports' Port Waste Management Arrangements**

The Merchant Shipping & Fishing Vessels (Port Waste Reception Facilities) Regulations 2003 came into force on 16<sup>th</sup> July 2003. They supersede the Merchant Shipping (Port Waste Reception Facilities) Regulations 1997, under which Associated British Ports is required to have a Port Waste Management Plan for each of its facilities, including the five ports in South Wales

The Department for Transport still requires ABP to prepare Port Waste Management Plans that are capable of dealing with the waste regularly landed from vessels making use of our ports but a number of new requirements have been added to our responsibilities. In summary, the requirements of the new regulations for vessel operators are as follows:

1. ABP must receive advance notification from vessels, up to 24 hours before arrival, of waste they are bringing into port and the amount they intend to discharge.
2. All vessels are expected to discharge all their waste in port, unless they can prove that they have sufficient storage space on board to cope with existing waste and additional waste generated between this port and their next.

At the same time, the Department for the Environment, Food & Rural Affairs (DEFRA) has introduced the Animal By-Products Regulations 2003. These regulations cover any food or catering waste received into the UK from a vessel sailing from a port outside of the EU. Any such waste must be removed from the ship 'double-bagged', deposited in a covered skip and taken to a landfill site for burial. Skips and vehicles used to transport the waste to the disposal site must be disinfected before return to use. DEFRA has indicated that spot checks of waste reception facilities will be made to ensure compliance with the requirements of the Animal By-Products Regulations.

ABP has been considering whether our existing waste management arrangements for ship-generated waste – both the reception facilities and collection and disposal arrangements – meet the requirements of the new legislation. It is our opinion that they do not and that there scope for providing a more comprehensive package of waste management measures across the South Wales region. As a result, we are inviting

you and your company to tender for a Regional contract to deal with ship-generated waste in all five ports. We are looking to introduce this new situation as soon as possible, ideally by the end of the year.

We consider that these new requirements will probably involve greater charges for the level of service provided. Additionally, increases in the Landfill Tax and the costs associated with the disposal of waste inevitably mean that a reappraisal of the financial element of this service is timely. We are, of course, looking for 'best value' in our contractual arrangements and would be interested in discussing whether you are able to provide our new required level of service and, if so, what your proposed rates might be. We are particularly interested in considering any economies of scale that might be achieved from providing waste management services on a Regional basis for the South Wales ports.

I would, therefore, like to invite you to meet with representatives of ABP's Marine Department in South Wales to consider with you the matters outlined in this letter and its Appendix. We are intending to hold a presentation for a number of waste management contractors, outlining what we require and providing an opportunity to discuss some of the issues raised. The event will take place at Queen Alexandra House, ABP Cardiff at 2.00 PM on Wednesday 26<sup>th</sup> November 2003. I apologise for the short notice of this meeting and I would be grateful if you could indicate whether you would wish to attend.

I look forward to hearing from you shortly.

Yours sincerely,

Captain Miles Chidlow

Assistant Harbour Master South Wales

Direct Line 029 2083 5026

Mobile 07958 908333

**Email [mchildlow@abports.co.uk](mailto:mchildlow@abports.co.uk)**

Letter sent to Port Health Authorities

**15<sup>th</sup> March 2007**

**Dear Sir,**

**ABP Newport/Swansea/Port Talbot – Port Waste Management Plan**

Under the requirements of the Merchant Shipping & Fishing Vessels (Port Waste Reception Facilities) Regulations 2003, Associated British Ports is required to produce a Port Waste Management Plan for each of its operations in South Wales.

Within the last year, we have undertaken a major reassessment of the waste reception facilities required to handle ship-generated waste streams and, from the 1<sup>st</sup> July 2004, have operated a regional management arrangement with Onyx Ltd. The final stage of this project is to produce new Port Waste Management Plans, which reflect these new arrangements and set them into the context required by the 2003 Regulations.

We have probably been remiss in not advising you of this development before now, for which we apologise. However, we have been working hard to ensure that the arrangements for the notification, landing and disposal of ship-generated garbage and other waste streams are appropriate and cost-effective, as required by the new Regulations. These arrangements are encapsulated within the new **draft** Port Waste Management Plan for the ABP South Wales ports which is available for your perusal on our website at [www.southwalesports.co.uk](http://www.southwalesports.co.uk), and which is nearing completion. Please have a look at this **draft** plan and we would welcome any observations or comments that you would like to make.

We will, of course, be pleased to send you a copy of the completed Port Waste Management Plan for ABP Newport/Swansea/Port Talbot once it is approved by the MCA.

Yours sincerely,

Email sent to all Agents, CCW, English Nature, and other interested parties,

The **DRAFT** Port Waste Management Plan is now available on our website [www.southwalesports.co.uk](http://www.southwalesports.co.uk). If anyone would like to look through it and make any observations or comments we would be delighted to hear from you. Please bear in mind that this is only a draft and that it is being, and will continue to be, altered in the light of new legislation, feedback from users, and best practice obtained from our contractors and our own experience.

Kindest Regards,

**Captain Miles Chidlow**  
**Assistant Harbour Master South Wales**  
**Direct Line 029 2083 5026**  
**Mobile 07958 908329**



Email sent to all Agents, CCW, English Nature, and other interested parties

Associated British Ports  
Queen Alexandra House  
Cargo Road  
CARDIFF  
CF10 4LY

**16<sup>th</sup> November 2010**

**Dear Sir,**

**Associated British Ports' Port Waste Management Arrangements**

The Merchant Shipping & Fishing Vessels (Port Waste Reception Facilities) Regulations 2003 came into force on 16<sup>th</sup> July 2003. They supersede the Merchant Shipping (Port Waste Reception Facilities) Regulations 1997, under which Associated British Ports is required to have a Port Waste Management Plan for each of its facilities, including the 4 ports in South Wales that have common user berths.

In 2007 we reviewed our Port waste Management Plan to add improvements and to implement a regional approach. The Department for Transport requires ABP to review our regional Port Waste Management plan every 3 years, in compliance with this requirement and to coincide with the start of a new contract we have started a review process with the aim of supplying a service to our customers that is both cost effective and meets theirs and statutory requirements.

ABP are committed to a responsible environmental policy and while Ship generated waste does not fall under the scope of our environmental policy we recognise that many vessels have policies for separating out non hazardous ship generated waste and feel that it there may be a better way of disposing of this waste where a lesser proportion will go to landfill. As part of ABP's commitment to recycling we aim to appoint a contractor that has the facilities to process the waste collected and only landfill the proportion that cannot be recycled. We aim to achieve this without substantially increasing the environmental levy by using a contractor that can collect both recyclable and non recyclable waste together and process it at their depot.

As trade to our ports has not substantially changed since the last review (most vessels that use our ports are trading solely inside the EU area) we don't feel there is any requirement to change the way that we deal with International Catering Waste (ICW). Vessels that want to land ICW will still be obliged to make an arrangement directly with one of our approved waste contractors and must not put any galley waste or related packaging into any of our Quayside Skips. ABP will still charge the Environmental levy for such vessels as they may still use our facilities for Annex V waste that is not ICW.

On the subject of ICW I would particularly like to draw your attention to the new paragraph in 6.2 of the revised PWMP

I am attaching The proposed F&Q that I am hopeful will be of use in giving ships that use our ports better understanding of the provision that we have for dealing with International catering Waste (ICW). Once this consultation is complete and our reviewed plan has been approved by the MCA I will send out an electronic copy of the final F&Q to all agents and hope that you will transmit it to vessels along with other pre-arrival information that you send them.

also attached is a file containing draft signage that we propose fixing to all our quayside skips along with a draft of our revised PWMP

Once the review process is over we will be submitting the PWMP to the MCA for approval.

I welcome any comments regarding the revision of the plan  
And look forward to hearing from you.

Yours sincerely,

Captain Rod Lewis

Deputy Harbour Master South Wales

Direct Line 029 2083 5090

Mobile 07958 908329

[rlewis@abports.co.uk](mailto:rlewis@abports.co.uk)

## **South Wales Regional Port Waste Management Plan FAQ**

**Q1** What is ICW (international Catering Waste)?

**A** International Catering Waste is any Galley waste or related packaging that is brought into port on a ship that has traded outside of the EU in the past, regardless of stores being taken outside the EU or not, and has not had its Galley storage rooms and cold rooms certified as cleaned and disinfected since the last time the vessel visited a non EU port.

**Q2** Why can I not land ICW in the Annex V non hazardous port reception facilities?

**A** The MCA has accepted that the majority of ships that enter the common user and adopted sole use wharfs and quays in the South Wales Ports are trading solely inside the EU. As a result there is no mandatory obligation for ABP to provide facilities for the collection of ICW. ABP do have an obligation under our port waste management plan to approve contractors who can dispose of ICW by separate arrangement between ship, charterer, or agent and the approved contractor. ABP feel that this is a good way of keeping the Environmental levy as low as possible for the majority of our port users who will not be using the ICW facility.

**Q3** If I am unsure if my galley waste should be classed as ICW do I have to land it during my stay in one of ABP's South Wales Ports?

**A** No, provided your vessel has enough dedicated storage on board for Galley waste you may pre-notify that you will be retaining your Galley waste on board for delivery at a convenient port after departure from the ABP South Wales Ports.

**Q4** If I keep ICW on board or make special arrangements for its disposal do I still need to pay the Environmental levy during my stay?

**A** If your vessel will be moored at one of the common user berths or private wharfs that come under the

South Wales Port Waste Management Plan you will still have to pay the Mandatory Environmental levy as your Vessel may still land other non hazardous MARPOL Annex V garbage that is not Galley waste or associated packaging.

**Q5** My vessel has a policy of separating waste for recycling, if I land this waste in ABP's MARPOL Annex V non hazardous waste reception facilities will my waste be recycled?

**A** Yes, ABP have appointed a main contractor who have the facilities to Recycle a large proportion of MARPOL Annex V Non Hazardous Waste. Any such waste that has been separated for recycling on board can be placed loose in the reception containers provided. You can help us to recycle as large a proportion as possible by double bagging any non recyclable waste in strong plastic bags.

**Q6** There is more than one Waste container on the Quay where my vessel is berthed, how will I know which container to place my waste in

**A** Reception containers provided under the South Wales Port Waste Management Plan are coloured Blue and are marked ABP in association with Amber Waste. The positions of all containers that come under the plan are marked in the Annex of our published plan that can be found on the South Wales website: -  
<http://www.southwalesports.co.uk/files/sw%20pwmp%20approved%20march%202007.pdf>  
All containers are marked with the sign on the next page

**Q7** What happens if I dispose of ICW in a general waste receptacle which is only suitable for non hazardous MARPOL Annex V garbage?

**A** Your Vessel will be held responsible for the cost of quarantining the waste receptacle, disposing of all of its contents as International Catering Waste and for disinfecting it before it is put back on the quay. (This can prove expensive)

### **Procedure For Unintentional ICW Contamination**

As stated in this PWMP, ABP have no facilities in the South Wales Ports for the landing of ICW, however it is recognised that from time to time there may be an unintentional contamination of one of our MARPOL annexe V designated waste reception containers. The following is the procedure that will be followed in the ABP South Wales Ports.

#### **Immediate action by notifying agent, external agency and ABP Management**

- Notification via ships agent and or external agency is to be made immediately to Local Port Services based at Cardiff (Cardiff LPS) manned 24hrs.
- Duty LPSO is to advise by email the Marine Administration Manager and the DHM
- Marine Administration Manager / DHM to inform the following by telephone and email
  - Amber waste services
  - Local operations team at the subject port.

#### **Immediate actions by the local operations team.**

- Remove the contaminated skip to the designated "secure area "
- Place signage on the skip to notify all that it contains Class 1 animal by products and is quarantined pending appropriate collection and disposal.
- Liaise with Amber waste services to arrange collection for disposal as International catering Waste (ICW) class 1 animal by product at deep landfill

#### **Immediate actions by Amber Waste Services**

- Liaise with local operations team to organise collection
- Dispose of skip contents at Lambay way deep landfill as class 1 animal by product ( ICW)
- Return skip to local operations team "secure area"

#### **Follow up actions by local operations team**

- Disinfect the skip using the supplied DEFRA approved disinfectants and / or steam cleaning equipment.
- Return the Skip to service

#### **Follow up actions by Amber waste services**

- Send copies of disposal, and chain of custody paperwork by email to Marine Administration Manager and DHM to include the following details
  - Date of Dispatch
  - Description of the material including the category
  - Quantity
  - Place of Origin of the Material ( vessels name and ABP dock collected from)
  - Name and address of carrier
  - Name and address of the receiver and if applicable its removal number

**Follow up actions by ABP Management**

- Inform AHVLA that an unintentional ICW landing has taken place

AHVLH Caernarfon Field Services  
 Crown Building  
 Penrallt.  
 Caernarfon  
 Gwynedd  
 LL551EP  
 Tel 01286741144  
 Email AHVLA.cymruwales@ahvla.gsi.gov.uk

- Record the details for compiling annual returns

**Amendment Record**

<b>Amendment No.</b>	<b>Date</b>	<b>Amendment</b>	<b>Signature</b>
<b>1</b>	<b>24/01/13</b>	<b>Section 2.4, 3.4, 3.5, 5.2, App C, App F, App G, App J and Contents Pages renumbered</b>	<b>T Bevan</b>
<b>2</b>	<b>10/01/14</b>	<b>Procedure for dealing with unintentional ICW contamination added</b>	<b>R Lewis</b>
<b>3</b>	<b>10/01/13</b>	<b>Updated contact info and Annexes</b>	<b>T Bevan</b>