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Department of Agriculture, Food and the Marine

Killybegs Fishery Harbour Centre

Waste Management Plan

KILLYBEGS FISHERY HARBOUR CENTRE

WASTE MANAGEMENT PLAN

CONTENTS

Distribution List 3
Preamble 4
1. The Fishery Harbour Centre 5
2. Legislative Summary 7
3. Definition of Wastes 11

Section I
4. Outline of the process undertaken by the Fishery Harbour Centre to achieve legislative compliance 13

Section II
5. The Fishery Harbour Centre Waste Management System 16
6. Procedure for the use of Harbour Waste Reception Facilities 17
7. Type and Capacity of Facilities 20
8. Location and ease of use 22
9. Giving effective information to users 23
10. Duty of Care/Waste Transfer/Waste Disposal 24
11. Grievance and Reporting Procedure 27
12. Audit and Review 28

Section III
Contact Directory 29
Harbour Map 31
Waste Reception Facility Plan 32
Harbour Notice No. 3 of 2004 33
Harbour Notice No. 4 of 2004 34

Annexes
I FORM KB Waste Management 1 (Notification of discharge of waste checklist) 35
II FORM KB Waste Management 2 (Format For Reporting Alleged Inadequacies Of Port Reception Facilities[1]) 36
III FORM KB Waste Management 3 (Receipt for garbage/refuse at harbour facilities) 39
IV General Waste Assessment/Summary 2014 to 2016 40
V Waste Oil Assessment/Summary 2014 to 2016 46
VI Hazardous Waste Assessment/Summary 2014 to 2016 47
VII International Catering Waste Assessment/Summary 2014 to 2016 48
VIII Plastic Waste Assessment/Summary 2014 to 2016 49
VIIII Document Control Procedures 50

[1] This format was approved by MEPC 53.

Distribution List	
Company	Copy Number
Killybegs Fishery Harbour Centre	1 Hard + Soft Copy
Sea Fisheries Administration Division, D A F M	2 Hard + Soft Copy
Marine Engineering Division D A F M	3 Hard + Soft Copy
Waste Regulation Officer Donegal County Council	4 Soft Copy
Superintending Veterinary Inspector, D A F M District Veterinary Office,	5 Soft Copy
Environmental Protection Agency	6 Soft Copy
Maritime Services Division DTTAS	7 Soft Copy

Preamble

AIMS AND OBJECTIVES

The overall aim of this port waste management plan for Killybegs Fishery Harbour Centre (hereinafter called "Killybegs FHC") is to protect the marine environment by reducing discharges into the sea of ship generated wastes and cargo residues; to improve the availability and use of reception facilities and strengthen the enforcement regime.

Its objectives are: -

- To reduce illegal discharge of waste from vessels
- To fulfil legal duties with regard to waste management
- To consult with users, agents, operators, contractors and regulators in the development and implementation of waste management strategies and measures
- To minimise the production of waste wherever possible
- To re-use or recycle waste wherever possible
- To dispose of waste so as to minimise negative environmental effects

1. THE FISHERY HARBOUR CENTRE

OVERVIEW OF KILLYBEGS FISHERY HARBOUR CENTRE

1.1 DESCRIPTION

Killybegs FHC is a very busy harbour with fishing vessels ranging in size from 10-80m and cargo vessels from 70-200m. There are also different classes of vessels such as standby vessels associated with the oil and gas industry. The port deals with both domestic and foreign fishing vessels and commercial vessels.

Killybegs FHC is Ireland's leading fishing port accounting for over one third of all fish landings in the county. The port is of vital importance to the economy of South West Donegal employing, up to 2000 people in fishing and related industries, as well as underpinning a wide variety of economic activity in the region. The port of Killybegs is designated as one of the country' s six Fishery Harbour Centres and its status means that the Minister and the Department of Agriculture, Food and the Marine are entirely responsible for the management, maintenance and development of the port and its facilities.

The main users of the harbour are the Killybegs fishing fleet. The fishing fleet consists of pelagic and demersal trawlers and some crabbers. The harbour is also an important centre for the export of fish overseas, to destinations such as Japan and Africa.

1.2 NEW DEVELOPMENT

The project involved the reclamation of 28 acres of foreshore, the construction of 450 metres of quay, cargo sheds, a boat repair building, a harbour office, and substantial hard standing areas. The quay provides 300 metres of berthage at 12 metres below chart datum and a further 150 metres at 9 metres below chart datum.

The new Harbour complex accommodates the Harbourmaster, Sea-Fisheries Protection Authority, B.I.M., Marine Institute and Customs and Excise. The office is a two-storey building and features a 360-degree glazed control room on an upper third level.

A boat repair building is also provided over one of the boat repair bays at the Syncrolift. The building is of steel portal construction measuring 48m x 15m and 22.5 meters high. It can accommodate the largest vessels that can be raised on the existing 600 tonne capacity Synchrolift. All shot blasting and spray painting can be carried out within this building, which has an air extraction unit to limit emissions into the air.

Other facilities provided in the development include a weighbridge, security buildings, significant concrete hard standing areas and sites for future commercial lease to appropriate industries that are compatible with the operation of Killybegs FHC. The project also included a state of the art CCTV system covering both the existing and new harbour areas.

To ensure that the harbour complies fully with the latest international security requirements, stricter security measures are implemented and in particular there are new controlled access and perimeter restrictions.

LEGISLATION LIST

[This list is not intended to be exhaustive – it is for reference purposes only.]

- EU Directive 2000/59/EC on port reception facilities for ship generated wastes and cargo residues
- S.I. No. 117 of 2003: European Communities (Port Reception Facilities for Ship-Generated Waste and Cargo Residues) Regulations 2003
- Directive 2002/84/EC amending the Directives on maritime safety and the prevention of pollution from ships
- S.I. No. 659 of 2003: European Communities (Port Reception Facilities for Ship-Generated Waste and Cargo Residues) (Amendment) Regulations 2003
- Commission Directive 2007/71/EC of 13 December 2007 amending Annex II of Directive 2000/59/EC of the European Parliament and the Council on port reception facilities for ship-generated waste and cargo residues
- S.I. No. 376 of 2009: European Communities (Port Reception Facilities for Ship-Generated Waste and Cargo Residues) (Amendment) Regulations 2009
- Commission Directive (EU) 2015/2087 amending Annex II to Directive 2000/59/EC on port reception facilities for ship-generated waste and cargo residues
- S.I. No. 550 of 2016: European Communities (Port Reception Facilities for Ship-Generated Waste and Cargo Residues) (Amendment) Regulations 2016
- Directive 2005/35/EC on ship-source pollution and on the introduction of penalties for infringements
- Directive 2009/123/EC amending Directive 2005/35/EC on ship-source pollution and on the introduction of penalties for infringements
- S.I. No. 542 of 2010: European Communities (Ship-Source Pollution) Regulations 2010
- Directive 2002/59/EC establishing a Community vessel traffic monitoring and information system and repealing Council Directive 93/75/EEC
- Directive 2009/17/EC amending Directive 2002/59/EC establishing a Community vessel traffic monitoring and information system
- S.I. No. 573 of 2010: European Communities (Vessel Traffic Monitoring and Information System) Regulations 2010
- Commission Directive 2011/15/EU amending Directive 2002/59/EC of the European Parliament and of the Council establishing a Community vessel traffic monitoring and information system
- S.I. No. 71 of 2012: European Communities (Vessel Traffic Monitoring and Information System) (Amendment) Regulations 2012
- Commission Directive 2014/100/EU amending Directive 2002/59/EC establishing a Community vessel traffic monitoring and information system
- S.I. No. 367 of 2016: European Communities (Vessel Traffic Monitoring and Information System) (Amendment) Regulations 2016

- Directive 2012/33/EU amending Council Directive 1999/32/EC as regards the sulphur content of marine fuels
- S.I. No. 361 of 2015: European Union (Sulphur Content of Marine Fuels) Regulations 2015
- Sea Pollution Act, 1991
- Sea Pollution (Amendment) Act, 1999
- Sea Pollution (Miscellaneous Provisions) Act, 2006

[Statutory Instrument(s) giving effect to MARPOL Annex I]

- S.I. No. 788 of 2007: Sea Pollution (Prevention of Oil Pollution) Regulations 2007
- S.I. No. 282 of 2008: Sea Pollution (Prevention of Oil Pollution) (Amendment) Regulations 2008
- S.I. No. 664 of 2010: Sea Pollution (Prevention of Oil Pollution) (Amendment) Regulations 2010
- S.I. No. 365 of 2011: Sea Pollution (Prevention of Oil Pollution) (Amendment) Regulations 2011
- S.I. No. 275 of 2014: Sea Pollution (Prevention of Oil Pollution) (Amendment) Regulations 2014
- S.I. No. 461 of 2016: Sea Pollution (Prevention of Oil Pollution) (Amendment) Regulations 2016
- S.I. No. 578 of 2016: Sea Pollution (Prevention of Oil Pollution) (Amendment) (No. 2) Regulations 2016
- S.I. No. 582 of 2016: Sea Pollution (Prevention of Oil Pollution) (Amendment) (No. 3) Regulations 2016

[Statutory Instrument(s) giving effect to MARPOL Annex II]

- S.I. No. 217 of 2008: Sea Pollution (Control of Pollution by Noxious Liquid Substances in Bulk) Regulations 2008

[Statutory Instrument(s) giving effect to MARPOL Annex III]

- S.I. No. 510 of 2013: Sea Pollution (Harmful Substances in Packaged Form) Regulations 2013
- S.I. No. 459 of 2016: Sea Pollution (Harmful Substances in Packaged Form) (Amendment) Regulations 2016

[Statutory Instrument(s) giving effect to MARPOL Annex IV]

- S.I. No. 269 of 2006: Sea Pollution (Prevention of Pollution by Sewage from Ships) Regulations 2006

- S.I. No. 281 of 2008: Sea Pollution (Prevention of Pollution by Sewage from Ships) (Amendment) Regulations 2008
- S.I. No. 372 of 2008: Sea Pollution (Prevention of Pollution by Sewage from Ships) (Amendment) (No.2) Regulations 2008
- S.I. No. 492 of 2012: Sea Pollution (Prevention of Pollution by Sewage from Ships) (Amendment) Regulations 2012

[Statutory Instrument(s) giving effect to MARPOL Annex V]

- S.I. No. 372 of 2012: Sea Pollution (Prevention of Pollution by Garbage from Ships) Regulations 2012

[Statutory Instrument(s) giving effect to MARPOL Annex VI]

- S.I. No. 313 of 2010: Sea Pollution (Prevention of Air Pollution from Ships)

  Regulations 2010
- S.I. No. 383 of 2011: Sea Pollution (Prevention of Air Pollution from Ships) (Amendment) Regulations 2011
- S.I. No. 596 of 2011: Sea Pollution (Prevention of Air Pollution from Ships) (Amendment) (No. 2) Regulations 2011
- S.I. No. 35 of 2013: Sea Pollution (Prevention of Air Pollution from Ships)

  (Amendment) Regulations 2013

[Statutory Instrument(s) giving effect to other international legislation]

- S.I. No. 82 of 2008: Sea Pollution (Control of Harmful Anti-fouling Systems on Ships) Regulations 2008

[Other legislation]

- Waste Management Act 1996 [No. 10 of 1996]
- Waste Management (Amendment) Act 2001 [No. 36 of 2001]
- Protection of the Environment Act 2003 [No. 27 of 2003]
- Diseases of Animals Act 1966
- S.I. No. 153 of 1985: Diseases of Animals (Feeding and Use of Swill) Order 1985
- S.I. No. 133 of 1987: Diseases of Animals (Feeding and Use of Swill) (Amendment) Order 1987
- S.I. No. 597 of 2001: Diseases of Animals Act, 1966 (Prohibition on the Use of Swill) Order, 2001

- S.I. No. 252 of 2008: European Communities (Transmissible Spongiform Encephalopathies and Animal By-Products) Regulations 2008
- S.I. No. 12 of 2009: Diseases of Animals Act 1966 (Prohibition On the Use of Swill) (Amendment) Order 2009
- Regulation (EC) No 1069/2009 of the European Parliament and of the Council of 21 October 2009 laying down health rules as regards animal by-products and derived products not intended for human consumption and repealing Regulation (EC) No 1774/2002 (Animal by-products Regulation)
- Commission Regulation (EU) No 142/2011 of 25 February 2011 implementing Regulation (EC) No 1069/2009 of the European Parliament and of the Council laying down health rules as regards animal by-products and derived products not intended for human consumption and implementing Council Directive 97/78/EC as regards certain samples and items exempt from veterinary checks at the border under that Directive
- Animal Health and Welfare Act 2013
- S.I. No. 187 of 2014: European Union (Animal By-Products) Regulations 2014
- S.I. No. 126 of 2011: European Communities (Waste Directive) Regulations 2011

3. DEFINITION OF WASTES

Definitions are as contained in MARPOL 73/78

3.1 MARPOL ANNEXES

- **Annex I** Oily Wastes (Bilges, sludge, ballast, slops. Generally what has to be discharged and disposed of after oil changes)
- **Annex II** Noxious Liquid Substances Carried in Bulk (dirty ballast, slops, tank washings)
- **Annex III** Pollution by Harmful Substances Carried by Sea in Packaged Form
- **Annex IV** Sewage
- **Annex V** Garbage, which includes - hazardous waste, food waste (including wrapping which has been in contact with food), metal, plastics (including fishing nets), paint tins, batteries, recyclable wastes such as paper, cardboard, glass & wood,
- **Annex VI** Prevention of Air Pollution from Ships

The categories under consideration at Killybegs FHC are Annexes I, II and V, there being no general requirement for Annex III (such pollution would be dealt with by way of an isolated incident) and facilities for the discharge of sewage are available on request. Annex VI was adopted in 1997 and entered into force internationally on 19 May 2005.

3.2 MARPOL Convention

The MARPOL Convention is the main international convention covering prevention of pollution of the marine environment by ships from operational or accidental causes. It is a combination of two treaties adopted in 1973 and 1978 respectively and updated by amendments through the years.

The International Convention for the Prevention of Pollution from Ships (MARPOL) was adopted on 2 November 1973 at IMO and covered pollution by oil, chemicals, harmful substances in packaged form, sewage and garbage. The Protocol of 1978 relating to the 1973 International Convention for the Prevention of Pollution from Ships (1978 MARPOL Protocol) was adopted at a Conference on Tanker Safety and Pollution Prevention in February 1978 held in response to a spate of tanker accidents in 1976-1977. (Measures relating to tanker design and operation were also incorporated into a Protocol of 1978 relating to the 1974 Convention on the Safety of Life at Sea, 1974).

As the 1973 MARPOL Convention had not yet entered into force, the 1978 MARPOL Protocol absorbed the parent Convention. The combined instrument is referred to as the International Convention for the Prevention of Marine Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto (MARPOL 73/78), and it entered into force on 2 October 1983 (Annexes I and II).

The Convention includes regulations aimed at preventing and minimizing pollution from ships - both accidental pollution and that from routine operations - and currently includes six technical Annexes:

Annex I
Regulations for the Prevention of Pollution by Oil

Annex II
Regulations for the Control of Pollution by Noxious Liquid Substances in Bulk

Annex III
Prevention of Pollution by Harmful Substances Carried by Sea in Packaged Form

Annex IV
Prevention of Pollution by Sewage from Ships (entered into force 27 September 2003)

Annex V
Prevention of Pollution by Garbage from Ships

Annex VI
Prevention of Air Pollution from Ships (adopted September 1997 - not yet in force)

SECTION I

4. OUTLINE OF THE PROCESS UNDERTAKEN BY THE FISHERY HARBOUR CENTRE TO ACHIEVE LEGISLATIVE COMPLIANCE

4.1 CONSULTATION

Purpose

To ensure that the needs of potential users and the requirements of waste regulators were taken into account when planning and operating port waste reception facilities; to ensure that all mariners are aware of the location, cost and procedures for using the facilities and also of the consultation arrangements for the future development of adequate facilities within the port.

Objective

The Department of Agriculture, Food and the Marine (DAFM) and Killybegs FHC have taken their obligations seriously and have engaged in a consultation exercise with all links in the waste management chain in order to discuss and explain the implications of the Directive and the Statutory Instrument bringing it into effect nationally. The objective has been to initiate an exchange of information and to gain an understanding of the perspective of other parts of the waste management chain in order to devise a flexible and workable system.

To ensure the adequacy of the process, Killybegs FHC has consulted

- fishermen
- fishing organisations
- harbour users
- waste contractors
- waste regulators
- central Government
- regional government

Process

All relevant members of the Killybegs FHC waste management chain were contacted by letter rather than consultative meeting.

Consultative Meeting

At a meeting held at DCMNR (the Department responsible for Killybegs FHC at that time) on 9th December 2002 it was agreed that there were two main objectives for establishing a workable system.

- The system should be both user and management friendly.
- It will also be a chargeable system with fishing vessels liable to pay to discharge under EU law

Waste

Ship generated waste is now governed by Statutory Instrument No. 117 of 2003 and EU Directive 2000/59/EC. There are receptacles on the quayside for the disposal of: -

- waste oil
- waste oil filters
- garbage (including dry waste – timber, metal, packaging etc)
- glass
- batteries
- food waste
- hazardous waste.

The Department of Agriculture, Food and the Marine has stated, **"All galley waste no matter how produced or from whatever source must go for supervised deep burial".**

All the Fishery Harbour Centres concerned issued a notice in December 2002 to owners, agents, masters, skippers and all harbour users regarding "Port Waste Management Reception Facilities". This notice outlined: -

- The new Regulations being introduced
- Details of waste definitions
- Implications of the new requirements
- Recycling proposals
- Current status of discussions
- How harbour users views could be put forward.

DCMNR also briefed fishing organisations in February 2003.

Cargo Waste

The majority of merchant vessels using Killybegs FHC are engaged in the export of fish. There is a negligible amount of cargo waste generated as a result of these activities. Such waste usually consists of broken pallets and other dry waste and can be accommodated within the existing facilities.

4.2 Ongoing Consultation

In accordance with Annex 1 of Directive 2000/59/EC the consultation process undertaken will be ongoing. Annual meetings will be arranged with waste contractors if required, to review operational requirements, address any identified weaknesses, implement enhanced services and respond to changing requirements as Killybegs FHC develops. Issues arising from consultations with harbour users will also be addressed. There is a Harbour Users Group at Killybegs FHC who will be invited to submit observations on the operation of the Waste Management Plan.

All elements in the waste management chain are invited to submit comments or observations on the operation of waste management facility directly to the Harbour Master or to Sea Fisheries Administration Division, DAFM. Comments can also be submitted via the Department of Agriculture, Food and the Marine web site https://www.agriculture.gov.ie/
An integral part of the consultation process will involve the annual review of reports of alleged inadequacy of Killybegs FHC waste facilities submitted on FORM **"Format for reporting alleged inadequacies in port reception facilities" (Page 36/Annex II)**.

SECTION II
MANAGEMENT SYSTEM

5.1 INTRODUCTION

As central and regional government interface so closely with the fishery harbour environment, it is hoped that all measures as agreed within this plan to comply with Directive 2000/59/EC and Statutory Instrument No. 117 of 2003 can be deemed to be appropriate for the five other Fishery Harbour Centres (Howth, Dunmore East, Castletownbere, Dingle (An Daingean) and Rossaveel) to incorporate within their own plans. This will assist vessels visiting any of the Fishery Harbour Centres in using port waste reception facilities, which derive from a common base. The concept should also assist the audit process and collection of waste statistics to be conducted by the Department of Agriculture, Food and the Marine for onward transmission to the European Commission.

5.2 IMPLEMENTATION OF THE PORT WASTE MANAGEMENT PLAN

The Harbour Master or the Assistant Harbour Master will be responsible for the implementation of the Port Waste Management Plan in Killybegs Fishery Harbour Centre.

5.2 SCOPE

The scope of this plan covers all ships, including fishing vessels and recreational craft, irrespective of flag visiting or operating from Killybegs FHC.

6. PROCEDURES FOR THE USE OF HARBOUR WASTE RECEPTION FACILITIES

6.1 MANDATORY PROVISION

Killybegs FHC makes available the following system of port reception facilities for ship-generated wastes.

6.2 MANDATORY DISCHARGE

All vessels **MUST** discharge ship-generated waste before leaving Killybegs FHC unless it can be demonstrated that storage space for such waste is sufficient to store all waste generated between notification and the next port at which waste will be delivered. If retaining waste on board, a legitimate reason for not using the port reception facilities must be given. Failure to do so will result in detention in port until waste has been discharged.

In the latter case, if there is reason to believe that there is a risk of waste being discharged into the sea because adequate facilities are not available at the next port of call, or if that port of call is unknown, these will also be grounds for detention.

6.3 DEFINITION OF AN EXEMPT SHIP

Applications for exemptions from the port waste management system must be made to the Harbour Master. They are not automatic. There are three grounds for the granting of an exemption and they must **ALL** be satisfied:

1. **SCHEDULED** traffic operating along a regular route
2. Evidence of **DELIVERY** in one port along the route
3. Evidence of **PAYMENT** in one port along the route

6.4 NOTIFICATION REQUIREMENT

The following information is required from **ALL RELEVANT** vessels before arrival: -

- Name/call sign/IMO number
- Flag state
- ETA/ETD
- Previous/next port of call
- Last port and date when ship generated wastes was delivered
- Whether delivering all/some/none of ship generated wastes into facilities
- Type and amount of waste to be delivered/stored on board plus maximum storage capacity
- The unit of measurement is <u>cubic meter/kg</u>

6.5 NOTIFICATION MECHANISM

The notification checklist is to be completed by the Master and submitted to Killybegs FHC 24 hours before arrival if applicable. Transmission should preferably be by electronic means (e-mail or fax). Relevant contact details are available in the Contact Directory on page 29. Killybegs FHC will retain **ALL** notification records for 3 years in order to comply with the audit requirements of Statutory Instrument 117 of 2003. Failure to submit a checklist **MAY** result in delay in entry. It is to be noted that this will be called a **NOTIFICATION OF DISCHARGE OF WASTE CHECKLIST**. The notification form "KB Waste Management 1" can be found at Annex 1 (Page 35) to this plan.

Since 01/01/2009 SafeSeasIreland (SSI) (Marine Notice No 64 of 2008) provides for the electronic notification of Waste notifications (Directive 2002/59/EC – Annex 1) for all vessels unless otherwise stated.

6.6 CHARGING SYSTEM

The EU Directive says that each vessel must contribute "significantly" to the cost of port waste reception facilities for ship-generated waste, without that cost providing a disincentive to use. To comply with the legislation Killybegs FHC will continue to facilitate the disposal of waste on a non-profit basis. New financial procedures and computerised accounting systems are being developed by DAFM that will allow the monitoring of specific costs associated with waste management at the Killybegs FHC and ensure charges are maintained on a non-profit basis.

Section 9.2 of the European Communities (Port Reception Facilities for Ship-Generated Waste and Cargo Residues) Regulations 2003 (S.I. No. 117 of 2003) states that where waste reception facilities are provided at a Fishery Harbour Centre, the Minister shall specify the fees payable by ships using the facility.

Current charges are as follows: -

Fishery Harbour Centres (Rates & Charges) Order 2012. No 214.

Disposal of ship generated waste (mandatory on all vessels operating from Killybegs FHC, regardless of whether waste facilities are availed of.)

(a) Less than 10 GT	**-**	**€20 per month**
(b) 10 or more GT	**-**	**€40 per month**
(c) 20 or more GT	**-**	**€60 per month**
(d) 30 or more GT	**-**	**€80 per month**
(e) 100 or more GT	**-**	**€100 per month**

Note: The mandatory charges are to remove any incentive to dispose of waste at sea. The charges are monthly and presently do not relate to quantity of waste thus removing any incentive to under report quantities of waste being delivered to Killybegs FHC.

The four companies with responsibility for waste removal are: -

Starrus Eco Holdings Ltd
Trading as Greenstar (Main Waste Contractor)
Unit 6, Ballyogan Business Park,
Ballyogan Road
Dublin 18.
Permit No NWCPO-13-11193-02

Mr P.J. Rooney (Sub Contractor)
T/A Laghey Waste Ltd
Tullywee
Laghey
Co Donegal
Permit No. WCP/DL/11/003/01
ICW Permit No NWCPO-16-11863-01

Enva Ireland Ltd
Clonminam Industrial Estate
Portlaoise
Co Laois
Permit No NWCPO-08-01116-02

7. TYPE AND CAPACITY OF FACILITIES

7.1 PURPOSE

To provide facilities which are suitable for the types and amounts of waste, which should be received in Killybegs FHC.

7.2 ANALYSIS OF REQUIREMENTS FOR KILLYBEGS FHC WASTE FACILITIES

An analysis was conducted to assemble information to allow Killybegs FHC to assess what specific facilities should be provided.

Based on the past history of waste collection at Killybegs FHC and the many consultations with local users, waste collectors and the local authority, it was considered that one large harbour waste facility would be adequate to deal with existing waste requirements. This waste mostly consists of: -

- Dry waste e.g. timber, metal, plastic and paper
- Compostables i.e. galley waste
- Glass bottles, jars and cans (Recyclables)
- Used lubricating oil and other oil waste

For the years 2002 and 2003 an analysis of waste collection services revealed that there was an average of 4 or 5 collections of waste (other than waste oil) each month. Collections usually occur on a weekly basis. Each collection involved the lifting of varying numbers of full skips. Skips are only lifted if full or almost full as additional collections can be arranged if required. A tabular summary of waste collection requirements during 2014/2015 & 2016 is set out on page 40-49.

The main users of the Killybegs FHC are the Killybegs fishing fleet. The fishing fleet consists of pelagic and demersal trawlers and some crabbers. It is also an important centre for the export of fish overseas, to destinations such as Japan and Africa. There were approximately 114 movements of Merchant Vessels in Killybegs FHC in 2009 and 14 cruise liners.

7.3 WASTE RECEPTION FACILITY

The waste reception facility was designed to provide facilities that are suitable for the types and amounts of waste, which should be received in the harbour. Killybegs FHC waste facility comprises of one large fenced area, with a small fenced area within, to be part of the perimeter fence (see plan Page 32). The area of the large compound is 561m^2 and the area of the smaller waste reception area is 30.25m^2

This facility is based on the outer harbour being inaccessible to the general public. The outer harbour is where most vessels discharge their fish and reefer

ships load frozen fish for export. This compound caters for boats ranging from the small inshore boats to the largest fishing vessels in the country (10m – 80m). There is also significant merchant and passenger traffic using the port ranging in size from 70m to 200m. The merchant traffic is mostly involved in the export of frozen fish. It is however hoped to increase the variety of merchant vessels using Killybegs FHC and the waste plan and reception facilities will be modified to cater for such vessels as the need arises.

The waste reception facility/compound contains separate skips/receptacles for: -

- Garbage
- Glass Bottles/Cans (Recyclables)
- Waste Timber
- Metal Waste
- Hazardous Waste
- Batteries
- Oily rags and oil filters
- 4 x 2,700-litre tanks for waste oil
- International Catering Waste (ICW) Skip
- Cages for recycling of electrical equipment

Killybegs FHC Waste Reception Facility	
Receptacles	**Collection**
1 x 7.65M^3 Skip for waste timber	Monthly/As required
1 x 7.65M^3 Skip for waste metal and cans (recyclables)	Monthly/As required
1 x 7.65M^3 Skip for plastic waste	Weekly/As required
1 x 240L Wheelie bin for glass jars/ bottles (recyclables)	Weekly/As required
1 X 240L Wheelie bin for light bulbs/fluorescent tubes	As Required
1 x 7.65M^3 Skip for International Catering Waste (ICW)	As required
1 x 1100lt Wheelie Bin for oily rags and filters (Filters & rags separated/re packed into receptacles to await collection	As required
4 x 7.65M^3 General Waste (Roll On Skip)	Weekly/As required
4 x 7.65M^3 General Waste (Roll On Skip)	Weekly/As required
1 x 500 Kg Container for batteries	As required
4 x 2,700 litre bunded tanks for waste oil	As required
2 x Cages for recycling of electrical items (WEE)	As required

Skips and containers will be collected when full or as required, on arrangement with the local waste contractors. The Harbour Master has responsibility for arrangements regarding collection of waste with the local waste contractors.

Location
The location of the Waste Reception Facility in the harbour is indicated on the harbour map on page 31 of this plan. A diagram of the facility is available on page 32.

Pre-treatment Facilities
Presently no pre-treatment facilities for waste are provided. However should such requirements be identified during the consultation process they will be provided, where feasible.

8. LOCATION AND EASE OF USE

8.1 PURPOSE

To provide facilities which, so far as reasonably practical, avoid disincentives towards their use.

8.2 ACCESS PROVISIONS

Boats using Killybegs FHC are obliged to have any waste for collection properly bagged and labelled. During harbour working hours waste will be collected by Harbour Staff when notice has been given to the Harbour Masters Office by email, telephone or V.H.F. radio. Where relevant the “Notification of Discharge of Waste” (Form KB Waste Management 1) must also be completed.
Harbour working hours are as follows

- 08.30 to 24.00 Monday to Thursday.
- 08.30 to 23.00 Friday.
- 09.00 to 13.00 on Saturday.
- All other times is by arrangement with the Harbour Office.

For foreign fishing vessels and merchant traffic using Killybegs FHC their agents ashore must furnish the Harbour Master’s Office 24 hrs in advance or as soon as practical (fishing vessels) with details of their waste and arrangements will be put in place for collection by Killybegs Harbour Staff.

As indicated, the waste reception facility is based in the outer harbour (ISPS Pier), being inaccessible to the general public. The outer harbour is where most vessels discharge their fish and reefer ships load frozen fish for export. This waste compound caters for boats ranging from small inshore boats to the largest fishing vessels in the country. There is also significant merchant and passenger traffic using the port.

9. GIVING EFFECTIVE INFORMATION TO USERS

9.1 PURPOSE

As with the consultation exercise, to ensure that all mariners are aware of the location, cost and procedures for using the facilities, and also of the consultation arrangements for future development of adequate facilities within the port.

9.2 SYSTEM

The system incorporates a port waste management system and a ship generated waste information management system as already required by the International Maritime Organisation (IMO).

Twenty-four hours before arrival the vessel should be instructed by the agent to complete the “Notification of Discharge of Waste” checklist. The notification form “KB Waste Management 1” can be found at Annex 1 to this plan on page 35.

Following the completion of the “Notification of Discharge of Waste” checklist, the Harbour Master will liaise with the nominated waste contractor, if necessary. Killybegs FHC employees will collect the waste from the vessel by vehicle/truck, using colour-coded carrier bags to ensure segregation of the waste and a system of "luggage tags" or "bar codes" to identify the vessel.

The system will be publicised through the agents and all parts of the waste management chain will have copies of this plan and an accompanying Contact Directory (with an amendment and update procedure). The plan is also made available at www.killybegsharbour.ie and the Harbour Master’s Office.

Separation/Segregation
Killybegs FHC must differentiate between vessel waste and public waste in order to comply with its legal obligations. Public waste has to be the responsibility of the competent local authority and it is intended that an explanatory letter will issue to the local authority with a copy of the Waste Plan. It is anticipated that ongoing contact with the local authority will facilitate any arrangements required with respect to public waste.

9.3 COMMUNICATION TO HARBOUR USERS

The new system was communicated to harbour users by the notices at pages 33-34 of this plan and was published in magazines read by the fishing organisations and their members. The Waste Management Plan is available from the Harbour Master’s Office and on http://www.killybegsharbour.ie/

10. DUTY OF CARE - WASTE TRANSFER - WASTE DISPOSAL

10.1 PURPOSE

To instil an understanding of responsibilities within the waste management chain and establish a transparent and meaningful audit trail of waste disposal activities.

10.2 SYSTEM

Reception and storage are the key elements to the successful management of port waste reception facilities. An overriding principle is that the fishing ports will under no circumstances entertain the use of common user skips.

Improper disposal of waste classified as "Special" or "Hazardous" into common user skips can render the fishing ports liable to prosecution for breach of Irish legislation without having recourse to a traceable waste producer, *i.e.* the vessel concerned.

The use of a waste transfer system and a transparent audit trail of waste producers are deemed to counteract the likelihood of a breach of the Regulations. Waste leaving Killybegs FHC will be weighed utilising the weighbridge at the harbour to facilitate monitoring of the amounts of waste deposited and disposed of. A record of this information will be retained at the Harbour Master's Office. The waste contractor should also get receipts for waste deposited at landfill or recycling centres to further enhance the audit system. The retention of the notification of discharge of waste checklist "KB Waste Management 1" and other relevant records for a period of 3 years will facilitate the maintenance of an appropriate and effective audit trail.

Killybegs FHC is similarly committed to fostering good practice in the areas of compacting and recycling. As Killybegs FHC is aware that the opening hours of municipal landfill sites reflect the considerations of local residents, it proposes a transfer and disposal system, which obviates the need to apply for the hours of opening to be extended.

KILLYBEGS HARBOUR CENTRE

RUBBISH

BAG

COLOUR CODES

	International Catering Waste (ICW) Red Bag Only **(Food Waste)** **Double Bag All Waste**
	Oily Waste (Blue Bag Only) **Oily Rags & Filters** **To Be Put In Seperate Bags**
	General Waste **(Black Bags)**

KILLYBEGS HARBOUR CENTRE
INTERNATIONAL CATERING WASTE (ICW) STANDARD OPERATING PROCEDURE (SOP)

The following procedures are used for the collection & storage of ICW in KHC

1. ICW is delivered to KHC from each vessel in red refuse bags (double bagged).
2. ICW is collected from each vessel continuously during the day.
3. ICW is stored in a large skip to await disposal.

The following is the sequence of events when the ICW skip is full

1. DAFM vet is informed of proposed movement of ICW for deep burial.
2. Refuse Company arranges for deep burial of ICW in County Council landfill when permission has been received from DAFM vet.
3. Refuse Lorry arrives in KHC at a prearranged time to collect the ICW skip.
4. DAFM Vet arrives in KHC at a pre-arranged time to monitor the movement of the ICW skip.
5. Skip & Lorry is disinfected using a suitable disinfectant (Osmodex).
6. Waste reseat is signed by KHC employee & Laghey Waste employee.
7. Refuse Company departs for County Council landfill (Monaghan).
8. Refuse Lorry arrives at County Council landfill (Monaghan).
9. DAFM Vet on site to monitor the deep burial of ICW.
10. ICW is dumped in a hole prepared for deep burial & covered over immediately.
11. Waste Reseat is signed by employee of the County Council landfill (Monaghan).
12. Lorry & Skip are washed/disinfected.
13. Refuse Lorry departs for KHC/Killybegs
14. Refuse Lorry arrives back in KHC/Killybegs
15. A copy of the paperwork is given to Killybegs Harbour Centre for their records

11. GRIEVANCE PROCEDURE

11.1 PURPOSE

To implement requirements Annex 1 of Directive 2000/59/EC and establish transparent and user-friendly complaint mechanisms that can help advise future consideration of harbour waste facilities.

11.2 COMPLAINTS

The Harbour Master has overall responsibility for implementation of the "Killybegs Fishery Harbour Centre Waste Management Plan". All complaints should be made to the Harbour Master immediately if a problem arises. Such complaints may be made verbally or on the prescribed report form, but, if the former, must be supported by the completed report form "**Format for reporting alleged inadequacies in port reception facilities"** The Master of a ship having encountered difficulties in discharging waste to reception facilities should forward the information (on relevant form), together with any supporting documentation, to the administration of the ship's flag state and, if possible, to the competent authorities in the port state."

The report form "Format for reporting alleged inadequacies in port reception facilities" (Page 36) should be completed.

Article 12(f) of Directive 2000/59/EC requires that Member States shall ensure that the European Commission is provided with a copy of any allegations of inadequate port reception facilities. The Harbour Master will forward all such reports to the Maritime Services Division and a copy to the Sea Fishery Administration Division at the Department of Agriculture, Food and the Marine.

12. AUDIT AND REVIEW

12.1 PURPOSE

To ensure that port waste management facilities are relevant and are up to date, and that plans are implemented effectively.

12.2 COMPLIANCE AND MONITORING

Spot checks will be undertaken on vessels deemed unlikely to use the facilities, and the National Competent Authority will ensure that there will be an inspection of a fixed proportion of vessels (25%) using Killybegs FHC. Vessel logbooks of all waste generated during a voyage, plus disposal data, will form part of the inspection.

12.3 NON-COMPLIANCE

When there is clear evidence that a ship has proceeded to sea without having complied with the requirements for the delivery of ship generated waste or cargo residues, the competent authority of the next port of call (where known) will be informed thereof. Such a ship shall, without prejudice to the application of the penalties referred to in Article 13 of the Directive, not be permitted to leave that port until a more detailed assessment of factors relating to the ship's compliance with the Directive, such as the accuracy of any information provided in accordance with Article 6 (Notification Requirement), has taken place.

SECTION III

CONTACT DIRECTORY

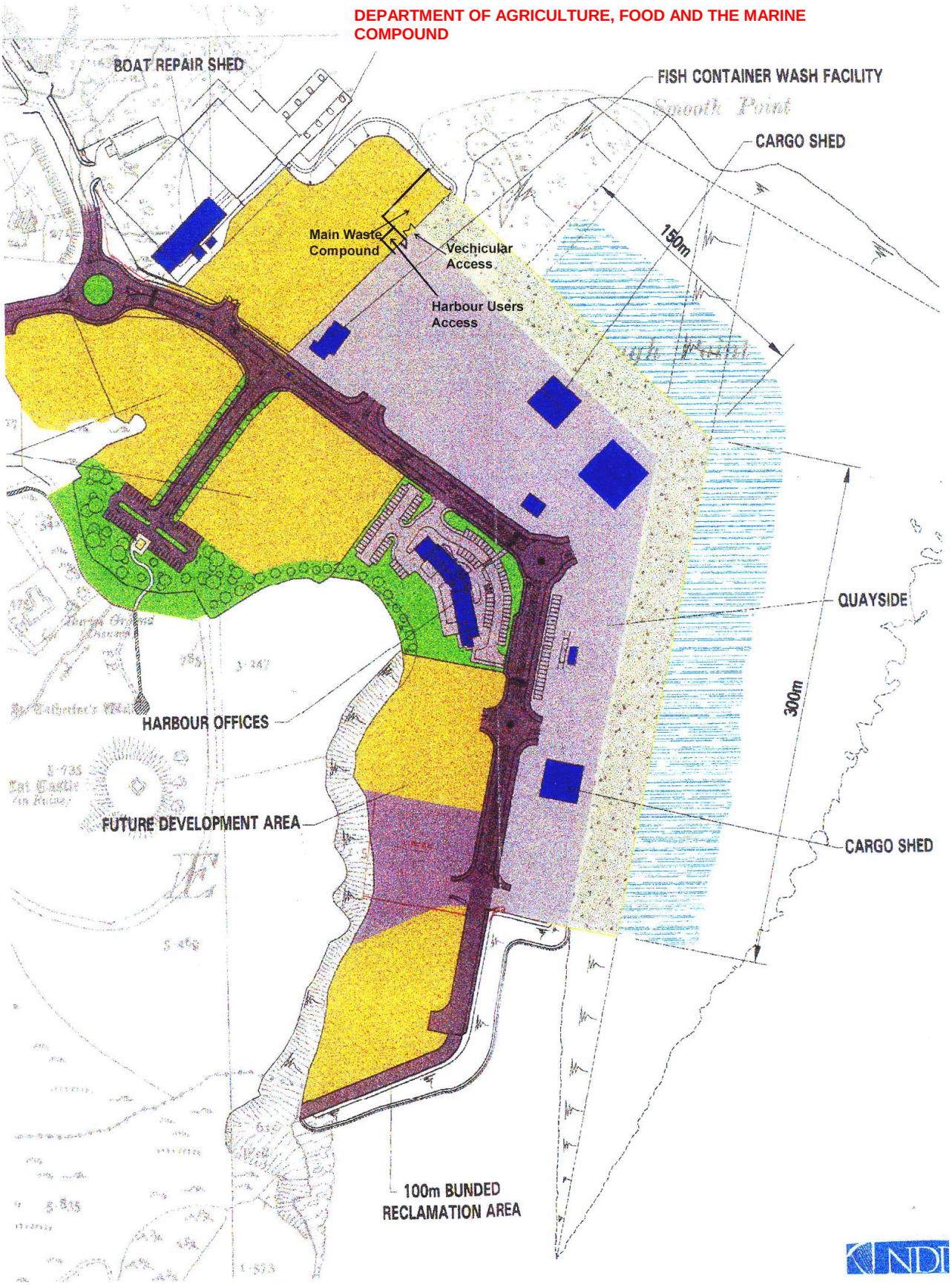
KILLYBEGS FISHERY HARBOUR CENTRE

Users, Contractors, Regulators, Government agencies

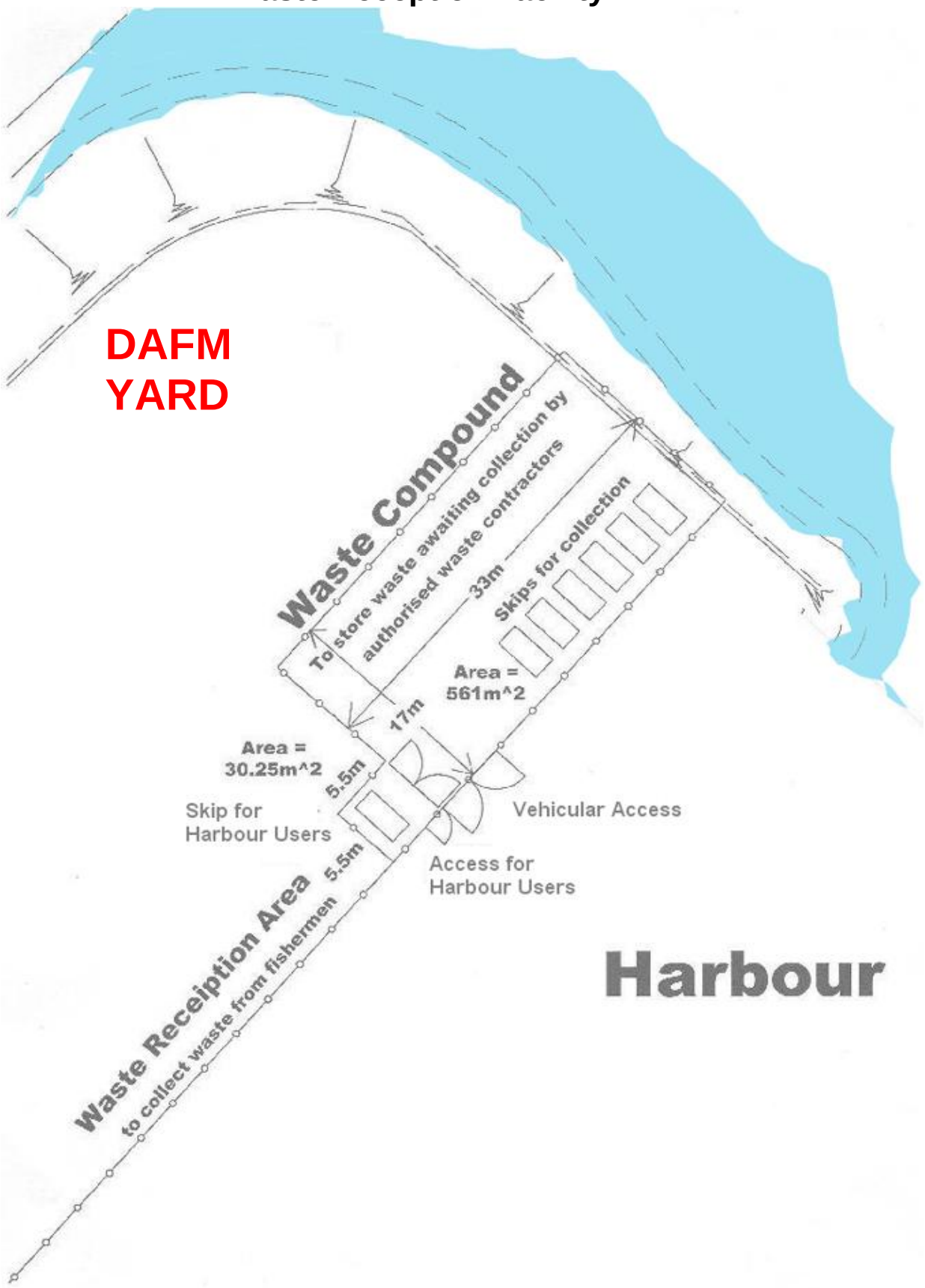
Mr. Martin Connell Acting Harbour Master Killybegs Fishery Harbour Centre Killybegs Co Donegal	Ph: 074 - 97 31032 Fax: 074 - 97 31840 Mobile: 087 7989730 E-mail: martins.connell@agriculture.gov.ie
Mr. Fergal Hegarty, Asst. Harbour Master, Killybegs Fishery Harbour Centre, Killybegs, Co. Donegal.	Ph : 074-9731032 Fax : 074 – 9731840 Mobile: 087 – 3299719 E-mail: fergal.hegarty@agriculture.gov.ie
Matthew Byrne Waste Regulation Officer Donegal County Council Lifford Co Donegal	Ph: 074 91 72259 Mobile: 087 9504011 E-mail: matthewbyrne@donegalcoco.ie
Mr. David Mc Kervey, Superintending Veterinary Inspector, Dept. of Agriculture & Food and the Marine,	Ph: 074 9173637 Mobile: 087 2444549 Email: david.mckervey@agriculture.gov.ie In the absence of Mr. Mc Kervey contact the VETERINARY INSPECTOR IN CHARGE Ph: 074 9145990
Mr. Noel Clancy, Sea Fisheries Administration Division, Dept of Agriculture, Food and the Marine, National Seafood Centre, Clonakilty, Co. Cork.	Ph: 023-8859596 Fax: 023 8821780 Email: noel.clancy@agriculture.gov.ie
Elaine Rooney Laghey Waste Ltd Tullywee Laghey Co Donegal	Ph: 074 - 9721847 Fax: 074 - 9722686 Email: lagheywasteltd@eircom.net

Enva Ireland Ltd Clonminam Industrial Estate Portlaoise Co Laois License No W0184-01-PL	Ph: 057-8678600 Fax: 057-8678699 Email: portlaoise@enva.com Web: http://www.enva.ie
Environmental Protection Agency, Regional Inspectorate John Moore Road Castlebar Co. Mayo	Ph: 094 - 9048400 Fax: 094 - 9021934 Web: www.epa.ie
Eithne Gore Maritime Services Division DTTAS	Ph: 01 6783422 Email: shipsourcepollutionprevention@dttas.ie
John O'Farrell Maritime Services Division DTTAS	Ph: 01 6783461 Email: shipsourcepollutionprevention@dttas.ie

Killybegs Fishery Harbour Centre
New Development



Killybegs Fishery Harbour Centre
Waste Reception Facility



Owners, Masters, Skippers, Agents and All Harbour Users

HARBOUR NOTICE No. 3 of 2004

Re: Litter Pollution Within Killybegs Harbour

Under the Litter Pollution Act of 1997 and Harbour Regulations it is an offence to cause littering by depositing any substance or object so as to create litter in a public place or in any place that is visible to any extent from a public place.

A public place means any place to which the public has access whether as of right or by permission and whether subject to or free of charge, thus the piers, car parks and roadways etc. of Killybegs Harbour are defined as public places.

All harbour users are reminded of their obligation to prevent litter and littering in and around the harbour jurisdiction.

Black bags and others containing garbage, food wastes, cardboard cartons etc. left on the quays or roadways is defined as litter and the producer of this litter, in keeping with the **POLLUTER PAYS** principal shall suffer the consequences of their neglect!

Skippers in particular are reminded of their responsibility when repairing nets and fishing gear on the quays or roadways to pick up the deposits left behind such as small pieces of rope and net etc. as these are defined as litter.

Previously harbour staff swept up the mess whilst the person responsible for the litter walked away. Harbour staff will continue to keep the harbour neat and tidy. However those responsible for creating litter will have to take responsibility for their actions.

POLLUTERS WHO LITTER PLEASE NOTE – YOU HAVE BEEN WARNED – KEEP KILLYBEGS TIDY!

Captain Patrick J Kelly
Harbour Master
Killybegs FHC
23/07/04

HARBOUR NOTICE No. 4 of 2004

Waste From Out-of-Service Ships/Vessels

The provision of port waste reception is provided to facilitate operational ships with a relatively easy yet comprehensive and lawful way of disposing of ships garbage.

This is to reduce discharges of ship-generated waste and cargo residues into the sea especially illegal discharges.

Obviously this applies to seagoing vessels that are operational and in service.

Waste from vessels that are laid up for whatever reason, even for a short period of time, is not ship-generated waste and therefore may be treated separately by the port.

Such waste may be accepted through the port waste reception facilities. However, this will be on a case-by-case basis once a request has been received by the operator of the vessel that has generated the waste.

Extra handling charges may accrue and waste that is not acceptable for disposal by the ports waste disposal contractor will not be accepted.

In such instances, including where a vessel carries out a refit, dry-dock or large-scale maintenance the vessels owners/operators will be expected to make arrangements with an authorised waste disposal contractor for the removal and disposal of this waste.

At no time is waste/garbage etc. to be left on the quays except where immediate collection has been arranged.

Should the port have to remove waste under these circumstances the person/s responsible for producing the waste may be subject to fees, fines and possible prosecutions.

Captain Patrick J Kelly
Harbour Master
Killybegs FHC
23/08/04

ANNEX I

FORM KB WASTE MANAGEMENT 1
NOTIFICATION OF DISCHARGE OF WASTE CHECKLIST.

NAME OF VESSEL		
CALL SIGN	IMO NUMBER	
NATIONALITY	AGENT	
E.T.A.	E.T.D.	
BERTH	LAST PORT	
TIME AT SEA	NEXT PORT	
LAST PORT WHERE SHIP GENERATED WASTE WAS DELIVERED		
REQUEST TO USE RECEPTION FACILITIES IN PORT	YES	NO
If no state reason	Exemption	
	Other (Specify)	
ARE YOU DELIVERING: ALL SOME NONE OF YOUR WASTE INTO THE WASTE RECEPTION FACILITIES		

TYPE AND AMOUNT OF SHIP GENERATED WASTE ON BOARD

Type	Waste to be delivered M^3	Maximum Dedicated storage capacity M^3	Amount of Waste retained on board M^3	Port at which remaining waste will be delivered	Estimated amount of waste to be generated between notification and next port of call M^3
1. Waste Oils					
Sludge					
Bilge Water					
Others					
2. Garbage					
Food Waste					
Plastic					
Hazardous					
General					
Other					
3. Cargo Waste (Specify)					
Cargo Residue (Specify)					

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

Master: ..... **Date and time:** .....

Harbour Representative / Agent: ..... **Stamp:**

Confirmation that types and amount of waste indicated above has been landed.

Ship's Master: .....…… **Date:** …….

Harbour Representative / Agent: …… **Date:** ……

ANNEX II

FORM KB Waste Management 2

FORMAT FOR REPORTING ALLEGED INADEQUACIES OF PORT RECEPTION FACILITIES[2]

The master of a ship having encountered difficulties in discharging waste to reception facilities should forward the information below, together with any supporting documentation, to the Administration of the flag State and, if possible, to the competent Authorities in the port State. The flag State shall notify IMO and the port State of the occurrence. The port State should consider the report and respond appropriately informing IMO and the reporting flag State of the outcome of its investigation.

1 SHIP'S PARTICULARS

1.1 Name of ship: _____

1.2 Owner or operator: _____

1.3 Distinctive number or letters: _____

1.4 IMO Number[3]: _____

1.5 Gross tonnage: _____

1.6 Port of registry: _____

1.7 Flag State[4]: _____

1.8 Type of ship:

☐ Oil tanker ☐ Chemical tanker ☐ Bulk carrier

☐ Other cargo ship ☐ Passenger ship ☐ Other (specify) _____

2 PORT PARTICULARS

2.1 Country: _____

2.2 Name of port or area: _____

2.3 Location/terminal name: _____

(e.g. berth/terminal/jetty)

2.4 Name of company operating

the reception facility (if applicable): _____

2.5 Type of port operation:

☐ Unloading port ☐ Loading port ☐ Shipyard

☐ Other (specify) _____

2.6 Date of arrival: __/__/____ (dd/mm/yyyy)

2.7 Date of occurrence: __/__/____ (dd/mm/yyyy)

2.8 Date of departure: __/__/____ (dd/mm/yyyy)

---

2 This format was approved by MEPC 53.

3 In accordance with the *IMO ship identification number scheme,* adopted by the Organization by Assembly resolution A.1078(28).

4 The name of the State whose flag the ship is entitled to fly.

3 INADEQUACY OF FACILITIES

3.1 Type and amount of waste for which the port reception facility was inadequate and nature of problems encountered

Type of waste	**Amount for discharge (m^3)**	**Amount not accepted (m^3)**	**Problems encountered** Indicate the problems encountered by using one or more of the following code letters, as appropriate. A No facility available B Undue delay C Use of facility technically not possible D Inconvenient location E Vessel had to shift berth involving delay/cost F Unreasonable charges for use of facilities G Other (please specify in paragraph 3.2)
MARPOL Annex I-related Type of oily waste:			
Oily bilge water			
Oily residues (sludge)			
Oily tank washings (slops)			
Dirty ballast water			
Scale and sludge from tank cleaning			
Other (please specify ……..….)			
MARPOL Annex II-related Category of NLS[5] residue/water mixture for discharge to facility from tank washings:			
Category X substance			
Category Y substance			
Category Z substance			
MARPOL Annex IV-related Sewage			
MARPOL Annex V-related Type of garbage:			
A. Plastics			
B. Food wastes			
C. Domestic wastes (e.g. paper products, rags, glass, metal, bottles, crockery, etc.)			
D. Cooking oil			
E. Incinerator ashes			
F. Operational wastes			
G. Cargo residues			
H. Animal carcass(es)			
I. Fishing gear			
MARPOL Annex VI-related			
Ozone-depleting substances and equipment containing such substances			
Exhaust gas-cleaning residues			

5 Indicate, in paragraph 3.2, the proper shipping name of the NLS involved and whether the substance is designated as "solidifying" or "high viscosity" as per MARPOL Annex II, regulation 1, paragraphs 15.1 and 17.1 respectively.

3.2 Additional information with regard to the problems identified in the above table.

_____

_____

_____

_____

_____

3.3 Did you discuss these problems or report them to the port reception facility?

☐ Yes ☐ No

If Yes, with whom (please specify)

_____

_____

If Yes, what was the response of the port reception facility to your concerns?

_____

_____

3.4 Did you give prior notification (in accordance with relevant port requirements) about the vessel's requirements for reception facilities?

☐ Yes ☐ No ☐ Not applicable

If Yes, did you receive confirmation on the availability of reception facilities on arrival?

☐ Yes ☐ No

4 ADDITIONAL REMARKS/COMMENTS

_____

_____

_____

_____

_____

Master's signature Date: __/__/____ (dd/mm/yyyy)

ANNEX III

FORM KB WASTE MANAGEMENT 3

RECEIPT FOR GARBAGE/REFUSE AT HARBOUR WASTE RECEPTION FACILITIES.

1.
LOCATION: IRELAND, KILLYBEGS FHC
DATE OF RECEIPT: .....

2.
NAME OF SHIP: ……..
CALL SIGN OR IMO NUMBER: ……
RECEPTION FACILITY OR CONTAINMENT AREA: ……

3.
TYPE OF WASTE

Type		Quantity (M^3)
Swill		
General Waste		
Hazardous Waste		
Oil	Liquid	
	Filters	
	Rags	
Batteries		
Other (Specify)		
Total Waste Deposited		

4.

Signature of Disposer: …….

Signature of Carrier: …….
(If required)

Signature of Receiver: …….

ANNEX IV

Killybegs Fishery Harbour Centre Waste Summary 2014 (General Waste)			
Date	**Description**	**Quantity**	**Total €**
07/01/2014	Collection	1.94t	€522.55
08/01/2014	Collection	3.96t	€1002.8
14/01/2014	Collection	2.44t	€726.85
28/01/2014	Collection	3.48t	€915.71
30/01/2014	Collection	2.52t	€627.88
05/02/2014	Collection	2.32t	€591.56
05/02/2014	Collection	3.18t	€861.23
14/02/2014	Collection	3.68t	€952.03
21/02/2014	Collection	3.10t	€846.71
04/03/2014	Collection	3.70t	€955.67
11/03/2014	Collection	3.04t	€835.81
21/03/2014	Collection	2.78t	€788.59
27/03/2014	Collection	3.42t	€904.82
03/04/2014	Collection	3.38t	€897.55
11/04/2014	Collection	2.96t	€821.28
30/04/2014	Collection	2.74t	€781.33
16/05/2014	Collection	2.58t	€752.27
23/5/2014	Collection	2.88t	€806.75
06/06/2014	Collection	3.36t	€893.92
17/06/2014	Collection	2.00t	€646.95
17/06/2014	Collection	3.42t	€904.82
02/07/2014	Collection	3.68t	€952.03
15/07/2014	Collection	2.84t	€799.49
18/07/2014	Collection	2.16t	€676.00
31/07/2014	Collection	2.70t	€774.07
08/08/2014	Collection	2.96t	€821.28
19/08/2014	Collection	0.94t	€223.59
19/08/2014	Collection	2.46t	€730.48t
26/08/2014	Collection	2.76t	€784.96t
04/09/2014	Collection	3.52t	€922.98t
10/09/2014	Collection	2.00t	€646.95
15/09/2014	Collection	2.38t	€715.95
19/09/2014	Collection	2.26t	€694.16

30/09/2014	Collection	2.36t	€712.32
14/10/2014	Collection	3.12t	€850.34
18/10/2014	Collection	2.12t	€668.74
22/10/2014	Collection	2.44t	€195.22
24/10/2014	Collection	5.10t	€1209.91
06/11/2014	Collection	2.68t	€770.43
13/11/2014	Collection	3.38t	€897.55
13/11/2014	Collection	5.32t	€1249.86
27/11/2014	Collection	3.04t	€835.81
03/12/2014	Collection	2.00t	€646.95
12/12/2014	Collection	4.04t	€1017.41
17/12/2014	Collection	3.8t	€973.83
Totals		**132.94t**	**€35'807.47**

Killybegs Fishery Harbour Centre Waste Summary 2015 (General Waste)			
Date	**Description**	**Quantity**	**Total €**
06/01/2015	Collection	3.46t	€912.08
07/01/2015	Collection	1.96t	€281.48
08/01/2015	Collection	2.74t	€781.33
21/01/2015	Collection	3.22t	€868.50
23/01/2015	Collection	3.80t	€973.83
29/01/2015	Collection	2.38t	€715.95
04/02/2015	Collection	2.96t	€821.28
12/02/2015	Collection	3.52t	€922.73
20/02/2015	Collection	2.74t	€780.88
27/02/2015	Collection	3.32t	€886.66
10/03/2015	Collection	2.90t	€810.39
12/03/2015	Collection	4.04t	€1017.41
19/03/2015	Collection	2.58t	€752.27
25/03/2015	Collection	2.14t	€672.37
27/03/2015	Collection	3.60t	€937.51
03/04/2015	Collection	4.5t	€1100.95
13/04/2015	Collection	2.94t	€817.65
27/04/2015	Collection	3.26t	€875.76
11/05/2015	Collection	4.54t	€1108.21
13/05/2015	Collection	4.70t	€1137.27
04/06/2015	Collection	2.54t	€745.01
05/06/2015	Collection	4.62t	€1122.74
22/06/2015	Collection	2.76t	€784.96
01/07/2015	Collection	2.66t	€766.12
01/07/2015	Collection	3.28t	€879.39
28/07/2015	Collection	3.64t	€944.77
28/07/2015	Collection	2.80t	€792.23
10/08/2015	Collection	1.28t	€242.89
12/08/2015	Collection	2.02t	€650.58
17/08/2015	Collection	3.80t	€973.83
27/08/2015	Collection	2.46t	€730.48
03/09/2015	Collection	2.00t	€646.95
04/09/2015	Collection	2.46t	€730.48
17/09/2015	Collection	2.70t	€774.07
25/09/2015	Collection	3.90t	€991.99

29/09/2015	Collection	2.66t	€766.80
02/10/2015	Collection	2.66t	€766.80
16/10/2015	Collection	2.20t	€683.27
16/10/2015	Collection	0.90t	€333.69
30/10/2015	Collection	3.12t	€850.34
13/11/2015	Collection	4.46t	€1093.68
25/11/2015	Collection	4.00t	€1010.15
27/11/2015	Collection	2.16t	€676.00
04/12/2015	Collection	2.92t	€814.02
17/12/2015	Collection	3.64t	€944.32
18/12/2015	Collection	4.04t	€1017.41
Total		**140.98Tons**	**€37'906.81**

Killybegs Fishery Harbour Centre Waste Summary 2016 (General Waste)			
Date	**Description**	**Quantity**	**Total €**
07/01/2016	Collection	2.24t	€690.53
12/01/2016	Collection	2.82t	€795.86
19/01/2016	Collection	3.36t	€893.86
27/01/2016	Collection	2.20t	€683.27
29/01/2016	Collection	3.14t	€853.97
11/02/2016	Collection	4.66t	€1130.00
18/02/2016	Collection	3.48t	€915.71
29/02/2016	Collection	3.54t	€926.61
08/03/2016	Collection	4.64t	€1126.37
16/03/2016	Collection	2.36t	€712.32
25/03/2016	Collection	3.78t	€970.19
07/04/2016	Collection	2.84t	€799.49
07/04/2016	Collection	3.34t	€784.40
20/04/2016	Collection	3.54t	€926.61
27/04/2015	Collection	2.32t	€301.91
04/05/2016	Collection	4.04t	€1017.41
16/05/2016	Collection	2.14t	€671.92
19/05/2016	Collection	2.66t	€766.80
27/05/2016	Collection	2.00t	€749.10
30/05/2016	Collection	3.00t	€1032.85
09/06/2016	Collection	2.90t	€810.39
07/07/2016	Collection	1.40t	€249.70
23/07/2016	Collection	2.68t	€770.43
05/08/2016	Collection	2.70t	€774.07
10/08/2016	Collection	3.16t	€857.60
19/08/2016	Collection	2.40t	€719.59
30/08/2016	Collection	3.78t	€970.19
01/09/2016	Collection	3.02	€832.18
08/09/2016	Collection	2.84t	€799.49
15/09/2016	Collection	3.16	€755.60

21/09/2016	Collection	2.72	€777.70
01/10/2016	Collection	3.02t	€580.08
01/10/2016	Collection	1.70t	€385.90
06/10/2016	Collection	0.98t	€157.76
06/10/2016	Collection	3.22t	€609.48
07/10/2016	Collection	3.54t	€656.51
04/11/2016	Collection	3.46t	€644.75
11/11/2016	Collection	2.88t	€559.50
21/11/2016	Collection	2.84t	€524.23
30/11/2016	Collection	1.68t	€383.13
07/12/2016	Collection	2.64t	€524.23
21/12/2016	Collection	3.18t	€603.60
23/12/2016	Collection	3.14t	€597.72
Totals		**133.68T**	**€33'695.17**

An analysis of waste for the years in question indicated that about 75% of material related to general garbage or galley waste due to an amount of cross contamination. 15% related to dry waste including packaging, timber and waste metal. The remaining 10% included glass, batteries, oily rags and oil filters. Arising from this analysis it is considered that the present waste reception facilities at Killybegs FHC are more than adequate for current needs.

ANNEX V

Killybegs Fishery Harbour Centre Waste Oil Summary 2014			
Date	**Description**	**Quantity Litres**	**Total €**
16/09/2014		4000lt	No Charge
18/12/2014	Waste Oil	4000lt	No Charge
TOTAL		**8000lt**	**€N/A**

Killybegs Fishery Harbour Centre Waste Oil Summary 2015			
Date	**Description**	**Quantity Litres**	**Total €**
06/08/2015	Waste Oil	4700lt	No Charge
TOTAL		**4700lt**	**€N/A**

Killybegs Fishery Harbour Centre Waste Oil Summary 2016			
Date	**Description**	**Quantity Litres**	**Total €**
21/01/2016	Waste Oil	**2000lt**	**No Charge**
31/05/2016	Waste Oil	1000lt	**€340.50 (Annual Charge)(RIALTA)**
31/08/2016	Waste Oil	6300lt	N/A
05/12/2016	Waste Oil	4000lt	N/A (Enva)
Total		**13300lt**	**€340.50 (Annual Charge)**

Prices quoted above include Vat @ 13.5%.

An analysis of waste oil statistics for the years in question indicated that current waste oil reception facilities greatly exceed the actual requirement in Killybegs FHC. Of significance is the fact that the majority of larger vessels in Killybegs FHC individually employ contractors to service their vessels and engines. Such contracts usually involve the removal and disposal of waste oils. Many of the newer vessels no longer produce the quantities of waste oil that had been usual.

ANNEX VI

Killybegs Fishery Harbour Centre Hazardous Waste 2014		
Date	**Description**	**Total €**
12/06/2014	Collection	€3490.84
19/12/2014	Collection	€?
TOTAL		**€?**

Killybegs Fishery Harbour Centre Hazardous Waste 2015		
Date	**Description**	**Total €**
26/03/2015	Collection	€1293.90
22/04/2015	Collection	€970.42
10/09/2015	Collection	€2882.90
20/10/2015	Collection	€2877.22
TOTAL		**€8024.44**

Killybegs Fishery Harbour Centre Hazardous Waste 2016		
Date	**Description**	**Total €**
22/01/2016	Collection	€3782.49
13/05/2016	Collection	€3950.93
14/12/2016	Collection	€1104.65
TOTAL		**€8838.07**

ANNEX VII

Killybegs Fishery Harbour Centre International Catering Waste (ICW) Summary 2014			
Date	**Description**	**Quantity**	**Total**
12/03/2014	Collection	3.78t	€1821.45
01/07/2014	Collection	4.68t	€1984.89
27/08/2014	Collection	5.96t	€2217.34
17/12/2014	Collection	5.08	€2057.53
TOTAL		**19.5t**	**€8081.21**

Killybegs Fishery Harbour Centre International Catering Waste (ICW) Summary 2015			
Date	**Description**	**Quantity**	**Total €**
17/02/2015	Collection	3.18t	€1712.49
17/04/2015	Collection	3.50t	€1770.60
28/10/2015	Collection	3.80t	€1825.00
21/12/2015	Collection	3.52t	€1774.23
TOTAL		**14t**	**€7082.32**

Killybegs Fishery Harbour Centre International Catering Waste (ICW) Summary 2016			
Date	**Description**	**Quantity**	**Total €**
15/02/2016	Collection	3.38t	€1748.81
21/03/2016	Collection	2.78t	€1639.85
03/10/2016	Collection	3.76t	€1582.64
14/10/2016	Collection	2.92t	€1401.49
TOTAL		**12.84t**	**€6372.79**

ANNEX VIII

Killybegs Fishery Harbour Centre Plastic Waste Summary 2014			
Date	**Description**	**Quantity**	**Total €**
21/02/2014	Collection	1.0t	€227.00
16/04/2014	Collection	0.34t	€189.54
18/07/2014	Collection	0.54t	€200.89
11/09/2014	Collection	0.50t	€198.62
01/10/2014	Collection	0.58t	€203.16
31/10/2014	Collection	0.44t	€195.22
26/11/2014	Collection	0.82t	€216.78
TOTAL		**4.22t**	**€1431.21**

Killybegs Fishery Harbour Centre Plastic Waste Summary 2015			
Date	**Description**	**Quantity**	**Total €**
13/01/2015	Collection	0.18t	€180.46
22/02/2015	Collection	1.18t	€237.21
31/03/2015	Collection	0.42t	€194.08
28/04/2015	Collection	0.66t	€169.11
06/07/2015	Collection	1.76t	€270.13
19/08/2015	Collection	0.58t	€203.16
16/10/2015	Collection	0.76t	€226.88
16/12/2015	Collection	1.06t	€230.40
TOTAL		**6.6t**	**€1711.43**

Killybegs Fishery Harbour Centre Plastic Waste Summary 2016			
Date	**Description**	**Quantity**	**Total €**
28/01/2016	Collection	0.64t	€206.57
09/03/2016	Collection	0.86t	€219.05
22/04/2016	Collection	0.60t	€204.30
08/06/2016	Collection	0.48t	€197.49
26/07/2016	Collection	0.78t	€189.54
17/08/2016	Collection	0.28t	€186.14
21/09/2016	Collection	0.42t	€194.08
21/10/2016	Collection	0.50t	€175.64
06/12/2016	Collection	0.82t	€222.67
TOTAL		**5.38t**	**€1795.48**

ANNEX VIIII

DOCUMENT CONTROL PROCEDURES

Killybegs FHC has responsibility for control of the Killybegs Fishery Harbour Centre Waste Management Plan and subsequent reviews to ensure the waste plan is suitable for harbour activities and traffic. Review of the plan will take place every 3 years as per statutory obligations.

Please acknowledge receipt of amendment notification by signing and dating as appropriate and returning to Killybegs FHC.

Issue No: Copy Number:	Received By:		Date:	
Details of Amendments: New Edition Updated February, 2013				
Date	Remove Page	Insert Page	Inserted By	Date
3rd July 2013			Approved by Department of Transport, Tourism and Sport	3rd July 2013