



Killybegs Harbour Centre
Environmental Report
February 2009





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1.0 Setting the Scene

Killybegs Harbour Centre (KHC) is Ireland's leading fishing port located in County Donegal on the North West coast of Ireland. In recent years, investment in the fishing fleet based at Killybegs has been significant, with fishermen replacing smaller boats with larger, better equipped vessels. In recognition of this, the construction of the new €50 million harbour development within the Fishery Harbour Centre was completed in May 2004. The project was funded from the Border, Midland and Western Regional Programme of the National Development Plan 2000-2006 under the Port Infrastructure Improvement Programme and co-financed from the European Regional Development Fund (ERDF). The Harbour itself was established in 1969 under The Fisheries Harbour Centres Act 1968.

Killybegs is the premier port of the six designated Fishery Harbour Centres in Ireland. The Department of Agriculture Fisheries and Food (DAFF) owns and is entirely responsible for the management, up-keep and development of the Harbour and its facilities.

The new harbour gives added-value to the port, with a marketing initiative underway to increase the commercial potential of the facility. In addition to the normal fisheries activities of the harbour, the range of commercial activities has broadened considerably. In 2006, 49,000 tonnes of frozen fish products were exported from the Harbour Centre. In 2007, seven cruise liners visited Killybegs and a further eight visited 2008. The subsequent tourist activity made a considerable contribution to the local economy. The Harbour Centre is being increasingly used as a conduit for other cargoes, with several batches of timber and commercial windfarm equipment accommodated recently. The Harbour Centre also provides a base for servicing oil and gas exploration activities off the Irish west coast. During 2008, an additional two exploration companies were serviced from our facilities.

In addition to DAFF employees, Killybegs Harbour Centre accommodates staff from a number of other state/semi-state bodies (BIM, Customs and Excise, Sea-Fisheries Protection Authority and the Marine Institute). The New Harbour is securely fenced, while the Old Harbour is essentially open-access.

The activities of the fishing fleet are also a source of fascination and attract a considerable number of tourists.

An Environmental Management System (EMS) has been established, to manage potential impacts from the Harbour Centre's activities and to minimise resource consumption. The EMS is compliant with ECOPORTS Ports Environmental Review System (PERS) and compatible with the ISO 14001 approach.

2.0 Killybegs Harbour Centre - Facilities & Services Summary

Killybegs Harbour Centre comprises an inner-harbour area with three piers and a slipway giving 600 m of berthage that is used primarily for tying up fishing vessels. The new harbour development consists of a €50 M pier providing 300 m berthage at a draft of 12 m at low water for vessels up to 240 m and 40,000 tonnes dead weight, and 150 m berthage at a draft of 9 m.

Killybegs Harbour Centre has 14 full time employees and one part-time employee; normal operating hours are 08:00 to 17:00 but the needs of the fishing fleet and commercial vessels are met outside of these hours. A summary of available services is given below.

HARBOUR SERVICES

Radio communications:	VHF Channel 14 Port/Pilots
Pilotage:	Compulsory for all vessels over 50 m
Turning circle:	300 m
Tugs:	Available locally
Towage:	Available locally
Anchorage:	Half a mile South of Rotten Island Lighthouse
Stevedoring:	Skilled stevedoring services - 24 hours
Cranage:	Available locally
Freshwater:	Available at all berths
Waste/Garbage reception:	As per Port Waste Management plan
Bunkering:	Available by road tanker
Weighbridge:	50 tonnes maximum capacity
Ship repairs:	Available at port
Storage:	Cargo sheds available on new pier and close to harbour. Freezer storage available locally

3.0 Environmental Policy Statement

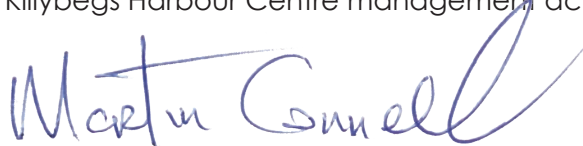
Killybegs Harbour Centre Environmental Policy Statement

Owned and operated by the Department of Agricultural, Fisheries and Food, Killybegs Harbour Centre is the newest sheltered deep-water facility on Ireland's west coast. Already established as Ireland's premier fishing harbour, a new €50 M pier opened in 2004 and provides opportunity for growth in the commercial cargo and cruise liner markets. The port caters for vessels up to 250 m long, at 40,000 tonnes dead weight, to a maximum low water draft of 12 m. Cargoes include fresh/frozen fish; dry bulk; break bulk; manufactured goods & heavy lifts; oil & gas exploration modules & supplies; containers; fuels and other general cargo.

Killybegs Harbour Centre is committed to maintaining a prosperous port while honouring its community and environmental responsibilities in an open and transparent manner. As such, environmental management is a prominent business consideration and the implementation of an Environmental Management System a key strategic best practice commitment. Killybegs Harbour Centre provides port-wide leadership on the need to minimise environmental impacts and promotes sustainable principles. We are committed to:

- maintaining an Environmental Management System compliant with European Sea Ports Organisation ECOPORTS criteria and compatible with ISO 14001
- regulatory compliance and implementing relevant industry codes of practice
- pollution prevention through operational best practice, emissions management, waste minimisation, efficient resource use, and local conservation awareness
- setting objectives and targets to achieve continual environmental performance improvement within the context of a systematic management programme
- communicating this environmental policy to our employees and providing appropriate training
- the public availability of our environmental policy and supporting local community liaison
- public reporting on environmental performance

Killybegs Harbour Centre management actively supports this policy.



Martin Connell (Acting Harbour Master)
Killybegs Harbour Centre

NOVEMBER 2007

4.0 Environmental Performance

Assessment of Environmental Aspects

Through assessing its environmental performance, by using a systematic risk scoring programme, Killybegs Harbour Centre identified 52 Environmental Aspects considered to have significant potential to impact upon the environment. Consequently 12 Environmental Objectives were agreed to include 56 specific Project Targets. These objectives and targets have been compiled in an Environmental Management Programme, where achievement dates and individual responsibilities are specified. Environmental Performance Indicators are established for each objective. Killybegs Harbour Centre Environmental Objectives are listed below:

1. Minimise potential to impact water, sediment and marine ecosystems from the bunkering of vessels
2. Minimise potential emissions to water, sediments and marine ecosystem from Marine Engineering works relating to oil/gas exploration
3. Control pollution risk from activities and services in relation to ship building and repair
4. Enhance waste management in relation to wastes generated by KHC and port users
5. Manage cargo handling and stakeholders / tenants activities to minimise emissions to air, water, sediments and marine ecosystems
6. Agree a Code of Practice to manage the fisheries fleet's harbour activities to minimise potential to impact water, sediment & and Harbour ecosystems; and potential to cause noise nuisance
7. Control pollution risk from KHC activities and services in relation to coastal engineering and port existence and port installation maintenance
8. Control environmental impact of port related development
9. Minimise potential to mobilise environmental contaminants from Past Activities that would create new impact on sediment and Marine ecosystems
10. Reduce resource consumption in relation to KHC activities and services
11. Review emergency procedures
12. Develop Environmental Management System

Of the 56 individual Project Targets, 20 were due for completion by June 2008 and these have been delivered. Key developments include:

- Energy monitoring
- Electronic waste database
- Resource consumption monitoring
- Fisheries industry liaison
- Oil and gas industry liaison
- Boat Repair Building procedure development
- Waste review and environmental awareness training
- Enhanced waste storage facilities
- Environmental Manual development
- Bunkering procedure development
- Review of drainage infrastructure

5.0 Best Practice Developments

In preparing a submission for certification under the Ecoports Port Environmental Review System (PERS), it was a requirement to give examples of 'Environmental Best Practice'. The two examples that were chosen were Killybegs Harbour Centre's Boat Repair Building (BRB) and the Passive Infrared lighting system in the Harbour's administrative building.

Boat Repair Building

During a recent phase of harbour development, €1.8 million in funding was acquired for the design and construction of a Boat Repair Building (BRB). It can accommodate the largest vessel that can be raised by the adjacent Synchrolift, which is 600 tonnes. Its purpose is to minimise dust and volatile emissions from shot blasting and paint spraying as these can contain rust and a range of chemicals that can cause nuisance and contamination.

Energy Efficient Lighting

When designing a new 1,400 m² harbour office, one of the main concerns regarding running costs and environmental impact was the use of electricity. Well lit offices are essential to the health and safety of staff and at 54.63°N, winter nights are long and it was felt that electrical consumption was likely to be a major component of the building's running costs. Some means of minimising this cost was needed.

To ensure efficient energy consumption it was essential to establish a method for ensuring that lighting was switched off when not needed. The use of PIR (Passive InfraRed) controlled lighting was deemed to be a suitable way of solving this problem. Given that the new harbour office has a floor area of 1,400 m² and that office lighting is provided at a rate of approximately 20Watts per m², the potential for energy saving is considerable.

Environmental Policy

Killybegs Harbour Centre's Environmental Policy was adopted at an EMS Installation meeting in November 2007 and is subject to periodic review. It is now on display in the reception area of the harbour's administrative building and is available to customers, suppliers, contractors and the general public.

Environmental Awareness Training

All employees have received Environmental Awareness Training. This ensures familiarity with Killybegs Harbour Centre Environmental Policy and Environmental Management System.

Oil Interceptors

During 2007 all of the oil interceptors in Killybegs Harbour Centre were inspected to ensure full working capacity and are now subject to a standard six month inspection programme.

Waste Management

Killybegs Harbour Centre seeks to promote a culture of waste reduction, reuse and recycling. Waste streams now subject to collection for recycling include printer and photocopier ink cartridges, cardboard, mobile phones and batteries.



6.0 2009 and Beyond

Killybegs Harbour Centre is conscious of its responsibilities in delivering sustainable services to its users into the future. We acknowledge that our location on the scenic north-west coast of Ireland affords us opportunities to promote the Harbour Centre as an example of best practice in environmental management. We are committed to maintaining and enhancing our PERS EMS to ensure ongoing environmental performance improvement.

The management at Killybegs Harbour Centre are dedicated to ensuring that our Environmental Management Programme is delivered to a high standard, on time and within budget. The introduction of sector-specific best practice and innovation is an over-arching goal for Killybegs Harbour Centre. The successful delivery of stated environmental objectives and targets will allow us to monitor performance accurately against challenging environmental performance indicators.



7.0 Contacts

Correspondence on environmental issues pertaining to Killybegs Harbour Centre should be referred to:

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