



DROGHEDA PORT COMPANY

CAPITAL DREDGING SCHEME

WASTE LICENSE W0052-01

TWELFTH ANNUAL ENVIRONMENTAL REPORT

11TH APRIL 2011

DROGHEDA PORT COMPANY
CAPITAL DREDGING SCHEME
WASTE LICENSE WL-52-01
TWELFTH ANNUAL ENVIRONMENTAL REPORT

CONTENTS

1.0 INTRODUCTION

- 1.1 Reporting Period
- 1.2 Site Details

2.0 SITE DESCRIPTION

- 2.1 Site Location
- 2.2 Waste Activities

3.0 EMISSIONS

- 3.1 Dust Monitoring
- 3.2 Leachate and Suspended Solids Monitoring
- 3.3 Noise Monitoring
- 3.4 Ecological Monitoring

4.0 SITE DEVELOPMENT WORKS

- 4.1 Site Restoration Works
- 4.2 Removal of Material from the Polder

5.0 WASTE RECEIVED BY AND CONSIGNED FROM THE FACILITY

- 5.1 Waste Received at the Facility
- 5.2 Waste Consigned from the Facility

6.0 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

7.0 ENVIRONMENTAL MANAGEMENT PROGRAMME PROPOSAL

- 7.1 Objectives and Targets
- 7.2 Corrective Action
- 7.3 Financial Provision
- 7.4 Site Management Structure

1.0 INTRODUCTION

1.1 Reporting Period

A Waste License W0052-01 was granted to Drogheda Port Company on 14th January 1999 by the Environmental Protection Agency, under Section 40 (1) of the Waste Management Act, 1996. It covered the infilling of Stagrennan Polder, Stagrennan, Drogheda, Co Louth, and placed eleven conditions on Drogheda Port Company regarding the after-use of the land.

Under the Waste License, the Twelfth Annual Environmental Report (herein referred to as the AER) is required to cover the twelfth year from the grant of the license (i.e. 14th January 2010 to 13th January 2011).

The removal of the dredged material deposited on Stagrennan polder commenced during August 2001 and continued up until October 2004. A Restoration Plan for the polder was designed in consultation with the Environmental Protection Agency (EPA), National Parks and Wildlife Service (NPWS) and Department of Agriculture, Fisheries and Food (DAFF, formerly the Department of Communications, Marine and Natural Resources, DCMNR). Restoration works commenced on the 31st July 2006 and the polder was re-opened to tidal inundation on 9th November 2006.

The AER has been produced in line with the requirements of the Waste License and with regard to *Integrated Pollution Control Licensing Guidance Note for Annual Environmental Report* (Environmental Protection Agency)¹.

1.2 Site Details

Site Address:

Name: Stagrennan polder
Address: Marsh Road
Drogheda
Co Louth

Site Operator:

Name: Drogheda Port Company
Address: Harbourville House
Mornington Road
Drogheda,
Co Meath
Contact: Paul Fleming, Chief Executive
Tel: 041 9838378
Fax: 041 9832844

¹ Though directly referring to AER reporting requirements under Integrated Pollution Control Licences, these guidelines constitute "relevant Agency Guidance" for facilities licensed under other legislation including the Waste Management Act.

Site Engineer:

Name: RPS Consulting Engineers
Address: Elmwood House
74 Boucher Road
Belfast
BT12 6RZ
Contact: Diarmuid O'Loan
Tel: +44 (0) 28 90667914
Fax: +44 (0) 28 90668286

Site Ecologist:

Name: Scott Cawley Ltd.
Address: 27 Lower Baggot Street
Dublin 2
Contact: Aebhín Cawley, Director
Tel: 01-6769815
Fax: 01-6769816

2.0 SITE DESCRIPTION**2.1 Site Location**

Stagrennan Polder is located in an intertidal area to the south of the River Boyne, approximately 1 km to the east of Drogheda. The site extends for approximately 900 m in an east–west direction and 250 m in width, covering an area of approximately 20.27 ha.

The site is bounded to the south by the Marsh Road (the R150 from Drogheda to Mornington), to the north by the southern training wall of the River Boyne, to the west by a development site (infill) and to the east by an inlet of water.

The polder formerly extended from Stameen's Pier in the east to the Railway Viaduct in the west. The western end was used as the town rubbish dump, with progressive infilling and development. Existing development on the reclaimed areas includes the construction of a municipal pumping station adjacent to the Maxol and Flogas oil and gas terminals, and temporary storage of pipes and construction equipment for the Main Drainage Scheme.

The polder is located in an industrial / commercial area. It lies to the south of the Premier Periclase Plant, to the west of Drogheda Port's offices, to the east of the waste water treatment works and the Maxol / Flogas depots.

The polder is not included within the designations of proposed Natural Heritage Area and candidate Special Area of Conservation, which cover the remainder of the estuary as well as the river channel, however in July 1999 the Special Protection Area for the Boyne Estuary was extended to include Stagrennan polder. The polder has been leased from

the DAFF (formerly DCMNR) to the Drogheda Port Company and is zoned for land use objectives to provide development for port related industry and other uses.

There are a number of residential dwellings close to the site. Two houses, Stagrennan House and Balamarino House, are located to the south of the polder along the Marsh Road (the latter is screened from the site by a warehouse). The headquarters of the Drogheda Port Company is located about 500m east of the polder within the grounds of the recently re-developed Harbourville House. There are also a number of houses to the west of the Premier Periclase plant, overlooking the river. Drogheda Grammar School is located some 450m to the east of the polder.

2.2 Waste Activities

The dredging operation was completed in February 2000. On completion of the infilling works a total of approximately 948,156 tonnes of material had been deposited on the polder. No further material has been deposited on the site since this time.

Due to consolidation both through its self weight and trafficking with heavy plant the volume of dredged material deposited on the site was estimated to have reduced by approximately 5 percent. This figure is confirmed by comparisons between the annual topographical surveys of the material and was communicated to the EPA by Robertson & Associates (Scott Cawley Ltd was formerly called Robertson & Associates) on 6th March 2003.

A total of 656,020 tonnes was removed from the polder. The majority of the remaining materials (279,176 tonnes) were used as specified engineering materials for the creation of habitats for the restoration works carried out between the 31st July 2006 and the 9th November 2006.

Subsequent to the completion of the restoration works there was an excess of approximately 12,960 tonnes of material; which was removed from the polder during the restoration works between July and Nov 2006 and were deposited on an adjacent piece of land to the west of Stagrennan Polder (11,039 tonnes) and to construction sites within the construction industry (1,921 tonnes).

2.3 Site Operations

Gallagher Quarries Ltd. were appointed as the material removal contractor in March 2001 and moved on site at the end of June 2001. Removal of material from the site by Gallagher commenced during August 2001 and was completed on 7th October 2004.

The restoration works were completed towards the end of 2006. In 2009 following consultation and agreement with the National Parks and Wildlife Service and the Environmental Protection Agency, it was decided that an alternation to the restoration proposals should be made in place of two of the originally proposed measures; freshwater ponds and wet grassland habitat. It was decided in lieu of these measures to:

- provide an additional minimum 0.27 hectare area of mudflat habitat, adjoining to and continuous with the existing south western area of the mudflat; and
- to make use of the excavated material to fill in one of the freshwater ponds which was not retaining water, to create an earth bund along the southern boundary of the site and to create sandy hummocks in keeping with the estuarine environment.

These works were undertaken in December 2009.

There were no site activities or operations undertaken during the twelfth AER reporting period.

3.0 EMISSIONS AND MONITORING

There were no emissions during the twelfth AER reporting period and no monitoring was undertaken. Six monthly ecological monitoring reports were produced to monitor and assess the progress of restoration over a three year post-restoration period (*i.e.* following the opening of the polder to the tide in November 2006). The last of these six monthly monitoring reports were submitted to the EPA during the previous (eleventh) AER reporting period. None were due within this twelfth AER reporting period.

4.0 SITE DEVELOPMENT WORKS

The site development works for the facility can be divided into three elements, namely, the infilling phase of operations, the removal phase of operations and the restoration phase. The infilling phase commenced in 1999 and ceased on 4 February 2000, the removal phase commenced in August 2001 and ceased in October 2004. The Restoration Phase commenced 31st July 2006 and the polder was re-opened to tidal inundation on 9th November 2006.

4.1 Site Infilling Works

This phase is now completed.

4.2 Materials Removal Works

This phase has been completed since October 2004, by which date a total of 656,020 tonnes had been removed from the polder. Gallagher Quarries have removed all of their equipment, wheel wash, concrete apron, site offices, site facilities and other ancillary items, and have left the site.

279,176 tonnes of material was used as specified engineering materials as necessary for the creation of terrestrial habitats for the restoration works. There was an excess of approximately 12,960 tonnes of material which was removed from the polder during the restoration works to an adjacent piece of land to the west of Stagrennan polder and elsewhere within the construction industry.

4.3 Site Restoration Works

The site restoration works were carried out as per the Restoration Plan approved by the EPA, DCMNR (now DAFF) and NPWS. Within the Restoration Plan the works are divided into three phases;

Phase 1	Profiling of the polder and removal of excess inert materials
Phase 2	Planting and installation of necessary restoration measures
Phase 3	On-going passive management of natural evolutions of polder

Phase 1 of the site restoration works was completed within the Eighth AER period and was described in that AER.

Phase 2 of the site restoration works was appointed to Rinn Bearna Aquatics. Representatives from Scott Cawley and Aquaculture Wales were on-site to offer assistance and guidance of the Restoration Plan for the entirety of this phase. The Site Planting Works commenced on the 9th October 2006 and were completed on the 3rd November 2006. A number of additional areas of planting occurred in 2009 as was agreed with the NPWS.

Phase 3 of the site restoration works commenced on 9th November 2006 with the re-opening of the polder to the tide. A passive management role was adopted whereby the polder was permitted to sensitively evolve. On the basis of the success of the restoration works, the Drogheda Port Company submitted an application to the EPA to surrender Waste Licence 52-01 during this AER reporting period (refer to letter dated 25.03.10) which is currently under consideration by the EPA. At the time of preparation of this report an answer on this application was awaited from the EPA.

5.0 WASTE RECEIVED BY AND CONSIGNED FROM THE FACILITY

5.1 Waste Received at the Facility

The Waste License allows the deposition of dredged sands and gravels and specified materials for engineering works. During the infilling period the only waste received at the site was the dredged sands and gravels (see Table 5.1 below). A written daily record of the deposition of this material was maintained in accordance with Condition 3.14 of the Waste License. No other material was accepted in the polder.

Table 5.1 Non-Hazardous Waste Received by the Facility

Waste Description	EWC Code	Non-Hazardous Waste Received			
		On-Site Disposal		On-Site Recovery	
		Method	Tonnes	Method	Tonnes
Dredged sand and gravel	17 05 02	Deposition in suspension from pipeline and settled out and reworked to required levels	948,156		Nil
Total			948,156	Total	Nil

Table 5.2 Hazardous Waste Received by the Facility

Waste Description	EWC Code	Non-Hazardous Waste Received			
		On-Site Disposal		On-Site Recovery	
		Method	Tonnes	Method	Tonnes
None			Nil		Nil
Total			Nil	Total	Nil

5.2 Waste Consigned from the Facility

During June & July 2000, 2,983 tonnes of deposited dredged material was removed from the site to be used by Ascon Ltd. as pipe bedding material on the adjacent Sewage Treatment Works site. This removal operation was carried out in agreement with the EPA and the relevant Waste License Conditions.

At the end of Gallagher's removal contract in October 2004, the removal operation by Gallagher Quarries had removed a total of 653,037 tonnes from the site primarily for re-use in the construction industry.

During the Restoration Phase in 2006 279,176 tonnes of material were used on-site as specified engineering works necessary to develop the desired ecological habitats. A further 11,039 tonnes of materials were deposited on an adjacent piece of land to the west of Stagrennan polder, and a final 1,921 tonnes were removed off site by Gibsons Contractors for re-use within the construction industry.

Combining the above mentioned removal operations a total of 668,980 tonnes of material has been removed from the polder, and 279,176 tonnes of materials have been used within the polder as specified restoration engineering materials.

In agreement with the NPWS and the EPA, it was decided that an alteration to the restoration proposals should be made in place of two of the originally proposed measures; freshwater ponds and wet grassland habitat. It was decided in lieu of these measures to provide an additional minimum 0.27 hectare area of mudflat habitat, adjoining to and continuous with the existing south western area of the mudflat, and to make use of the excavated material to fill in one of the freshwater ponds which was not retaining water, to create an earth bund along the southern boundary of the site and to create sandy hummocks in keeping with the estuarine environment.

An area of additional mudflat of 0.28 hectares was created in 2009. This was calculated as the area between the toe of the existing bank at approximately 3.8 – 3.9 m OD and the proposed new profile for the toe of the bank as detailed in drawings submitted to the EPA and the NPWS in July 2008. The amount of material excavated for the provision of this 0.28 hectares of additional mudflat was approximately 6,136m³, of which approximately 2,715m³ was used to fill in one of the freshwater ponds which was not retaining water, to create an earth bund along the southern boundary of the site and to create sandy hummocks in keeping with the estuarine environment. The balance of approximately 3,421m³ was removed off site to an immediately adjacent piece of land.

Table 5.3 Non-Hazardous Waste sent off-site for Recovery/Disposal

Waste Description	EWC Code	Tonnes	Details of Haulage Contractor	Recovery /Disposal	Name and Address of Recovery/Disposal Site
Dredged sand and gravel	17 05 06	2,983	Reilly Excavation	For use in pipe laying contract	Ascon Ltd New sewage treatment works site on the Marsh Road
Dredged sand and gravel	17 05 06	653,037	Gallagher Quarries	For use in the construction industry	Various
Dredged sand and gravel	17 05 06	11,039	Drogheda Port Company	Land reclamation works	Lands located between Flo Gas and Stagrennan Polder, Marsh Road, Drogheda.
Dredged sand and gravel	17 05 06	1,921	Gibson Contractors	For use in the construction industry	Various
Dredged sand and gravel	17 05 06	5,645	McAuley Brothers	Land reclamation works	Lands located between Flo and Stagrennan Polder, Marsh Road, Drogheda.
Total		674,625			

Table 5.4 Hazardous Waste sent off-site for Recovery/Disposal

Waste Description	EWC Code	Tonnes	Details of Haulage Contractor	Recovery /Disposal	Name and Address of Recovery/Disposal Site
None		Nil			
Total		Nil			

6.0 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

There were no environmental incidents registered and there have been no complaints received during the reporting period.

There were no site inspections or audits undertaken by the EPA during the AER reporting period. The last EPA site visit was carried out on 17.02.2011.

7.0 ENVIRONMENTAL MANAGEMENT PROGRAMME

7.1 Objectives and Targets

In line with the licensee's objective to maximise control over environmental pollution and nuisance from the proposed removal operations from the site, the following Objectives and Targets have been drawn up.

Table 7.1 Summary of Objectives and Targets

Objective	Target
1. To determine the most environmentally acceptable and economically viable method of removal and re-use of deposited sands and gravels.	Complete.
2. Enhance the dissemination of information on the project.	Respond to queries raised within 5 working days.
3. Maintain compliance with Waste License conditions.	Ensure reporting and notification procedures are adequate to maintain compliance with License conditions.
4. Maintain compliance with relevant environmental legislation.	Ensure continued compliance with European and Republic of Ireland Legislation.
5. Improve, where possible, management practices on site.	Ensure site management procedures are adequate to protect the environment and improve on them where necessary/possible.
6. Removal of deposited dredged material from Stagrennan polder in the shortest possible timescale.	Ensure that deposited dredged material is removed from the facility within the shortest possible timescale.

These objectives and targets have been put forward to review and improve where possible management and reporting procedures.

Project 1 Materials Removal (Completed)

Reason for undertaking project	To determine the most environmentally acceptable and economically viable method of removal and re-use of deposited sands and gravels.
Target	Complete prior to decision on successful bidder.
Project summary	Development of preliminary method statement for inclusion in Contract Documents followed by a detailed method statement once a contractor has been appointed.
Designation of responsibility	Project Manager – Design and Operations.
Benefits of Project	Limit the environmental impact of removal operations within economically acceptable levels.
Time frame	January 2000 onwards.

Project 2 Public Awareness

Reason for undertaking project	Enhance the dissemination of information on the project.
Target	Respond to queries raised within 5 working days.
Project summary	Log complaints and monitor response times.
Designation of responsibility	All queries received will be directed through the Project Manager – Waste License Compliance.
Benefit of the Project	Improved public awareness.
Time frame	January 2000 onwards.

Project 3 Waste license Compliance

Reason for undertaking project	Maintain compliance with Waste License conditions.
Target	Ensure reporting and notification procedures are adequate to maintain compliance with License conditions.
Project summary	Quarterly review of procedures and implementation.
Designation of responsibility	Project Manager – Waste License Compliance.
Benefit of the Project	Ongoing review of adequacy and success of procedures in place to ensure compliance with License conditions.
Time Frame	Quarterly from January 2000.

Project 4 Compliance with Environmental Legislation

Reason for undertaking project	Maintain compliance with relevant environmental legislation.
Target	Ensure continued compliance with European and Republic of Ireland Legislation.
Project summary	Quarterly review of current legislation.
Designation of responsibility	Project Manager – Waste License Compliance.
Benefit of the Project	Ensure site is being operated in compliance with European and Republic of Ireland environmental Legislation.
Time Frame	Quarterly from January 2000.

Project 5 Continuing Good Management	
Reason for undertaking project	Improve, where possible, management practices on site.
Target	Ensure site management procedures are adequate to protect the environment and improve on them where necessary/possible.
Project summary	Quarterly review of site management practices and implementation.
Designation of responsibility	Licensee/Project Manager – Waste License Compliance.
Benefit of the Project	Ensure adequacy and success of site management procedures in protecting the environment.
Time Frame	Quarterly from January 2000.

Project 6 Removal of Dredged Material in Shortest Possible Timescale	
Reason for undertaking project	To restore Stagrennan polder to its original state as soon as possible.
Target	Ensure that deposited dredged material is removed from Stagrennan polder within the shortest possible timescale.
Project summary	Removal of dredged material in shortest possible timescale.
Designation of responsibility	Licensee / Project Manager – Waste License Compliance.
Benefit of the Project	Ensure the beneficial reuse of dredged material and the improvement of Drogheda Port facilities.
Time Frame	August 2001 onwards.

7.2 Corrective Action

Introduction

The following procedures have been drawn up to ensure that corrective action is taken when a 'non-compliance' occurs. Non-compliance refers to situations in which environmental performance falls outside the requirements of the waste license. Non-compliances will be identified through the monitoring programme instigated by the licensee in accordance with the requirements of the license.

Record Keeping

Condition 3.1 of the waste license requires that a written record is kept of incidents which occur at the facility. These incidents include the following:

1. Any emission which results in the contravention of any relevant standard, including any standard for an environmental medium, or any relevant emission limit value, prescribed under any relevant enactment;
2. Any emission which does not comply with the requirements of the license;
3. Any trigger level specified in the license or in any information required to be supplied to the EPA by the license which is attained or exceeded;
4. Any malfunction of any environmental control system;
5. The cessation of waste management activities at the facility for a period of in excess of 28 days and their recommencement;
6. Any indication that contamination has, or may have, taken place;
7. Any occurrence with the potential for environmental pollution;
8. Any emergency; and
9. Any discovery of archaeological artefacts.

Action

Should an incident occur at the facility, the following action must be taken (ref. Condition 10.6 of the license):

1. Identify the date, time and place of the incident;
2. Carry out an immediate investigation to identify the nature, source and cause of the incident and any emission;
3. Isolate the source of any emission;
4. Evaluate the environmental pollution, if any, caused by the incident;
5. Identify and execute measures to minimise the emissions/malfunction and the effects thereof;
6. Identify and put in place measures to avoid recurrence of the incident; and
7. Identify and put in place any other remedial action.

Notification

Condition 3.3 of the license requires that the EPA is notified in writing of any incident which occurs at the facility. Procedures for notification are as follows:

Time of Incident	Contact Person/ Section in EPA	Type of Contact Required	Latest time by which Contact should be made
During Business Hours	EPA Inspector or Senior Inspector, Waste Licensing	Telephone	As soon as practicable but not later than 10.00 am on the following working day after the occurrence of the incident
	Waste Licensing Enforcement Section	Fax	As soon as practicable but not later than 10.00 am on the following working day after the occurrence of the incident
Outside Business Hours	Waste Licensing Enforcement Section	Fax	As soon as practicable but not later than 10.00 am on the following working day after the occurrence of the incident
	EPA Headquarters	Telephone	Message to be left on 24 hour answering service using a touch-tone phone
	EPA Inspector	Telephone	Start of next business day

The following information as a minimum must be made available at the time of notification:

1. The name of the contact person and phone and fax numbers;
2. The date, time and place of any incident;
3. The nature, source and cause of the incident;
4. Whether the source has been isolated;
5. Whether environmental pollution has been caused;
6. The measures taken to minimise the effects of the incident;
7. The measures put in place to prevent recurrence; and remedial actions taken.

Additional information should be provided, where applicable, if the emergency services or other regulatory bodies were contacted.

A report detailing the circumstances of the incident and any actions taken should be forwarded to the EPA as soon as practicable, but within five working days of the occurrence of the incident. If further action is taken after the date of the written notification of an incident, a report must be forwarded to the EPA detailing the actions within 10 days of the actions being initiated.

7.3 Financial Provision

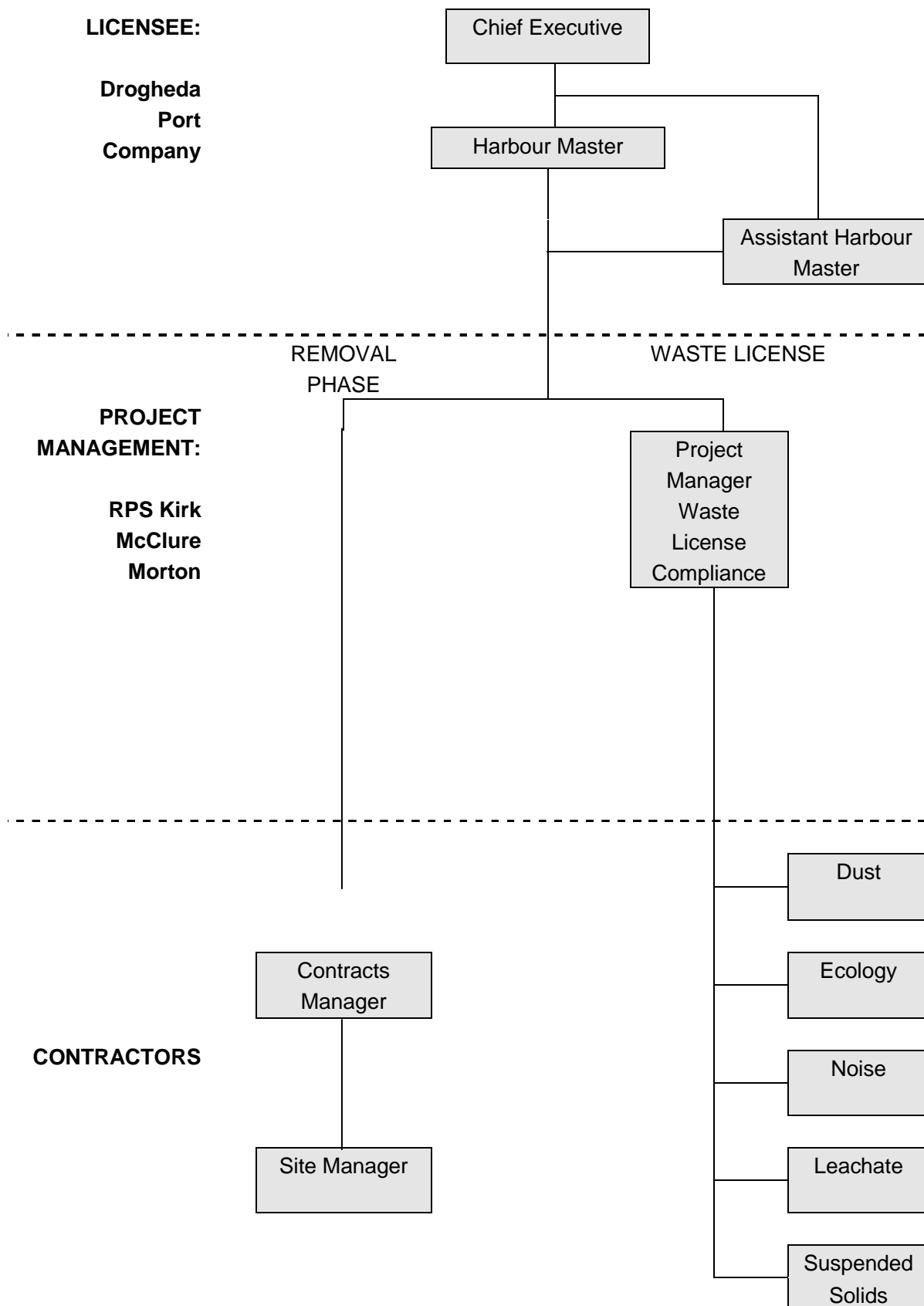
Provision has been made for the restoration of Stagrennan Polder. The majority of the dredged sand and gravel deposited within the polder had been removed. The materials were sold to the construction industry and the revenues derived will be used for the restoration of the habitat within the polder. Any additional funding required for this purpose will be provided from the Company's own resources.

The Drogheda Port Company is a state company within the meaning of the Harbours Act 1996. The Minister for the Marine and Natural Resources and the Minister for Finance are the sole shareholders of the Company.

7.4 Site Management Structure

The management structure in Figure 7.1 shows the different levels of responsibility for the removal works in terms of the Licensee, Project Management and Contractors

Figure 7.1 Management Structure During the Removal Operations



Appendix A

AER Returns Worksheet

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.12

REFERENCE YEAR	2010
-----------------------	------

1. FACILITY IDENTIFICATION

Parent Company Name	Drogheda Port Company
Facility Name	Stagrennan Polder
PRTR Identification Number	W0052
Licence Number	W0052-01

Waste or IPPC Classes of Activity

No.	class_name
4.13	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
4.4	Recycling or reclamation of other inorganic materials.

Address 1	Marsh Road
Address 2	Stagrennan
Address 3	Drogheda
Address 4	Co Louth
Country	Ireland
Coordinates of Location	-6.32329 53.7177
River Basin District	IEEA
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Aebhin Cawley
AER Returns Contact Email Address	acawley@scottcawley.com
AER Returns Contact Position	Director, Scott Cawley Ltd.
AER Returns Contact Telephone Number	01-6769815
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	0
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
50.1	General

3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)

Is it applicable?	No
Have you been granted an exemption ?	
If applicable which activity class applies (as per Schedule 2 of the regulations) ?	
Is the reduction scheme compliance route being used ?	

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR# : W0052 | Facility Name : Stagrennan Polder | Filename : W0052_2010(1).xls | Return Year : 2010 |

03/05/2011 14:23

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

POLLUTANT		RELEASES TO AIR			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	METHOD		Emission Point 1	QUANTITY		
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

POLLUTANT		RELEASES TO AIR			Please enter all quantities in this section in KGs			
No. Annex II	Name	M/C/E	METHOD		Emission Point 1	QUANTITY		
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (As required in your Licence)

POLLUTANT		RELEASES TO AIR			Please enter all quantities in this section in KGs			
Pollutant No.	Name	M/C/E	METHOD		Emission Point 1	QUANTITY		
			Method Code	Designation or Description		T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

Additional Data Requested from Landfill operators

For the purposes of the National Inventory on Greenhouse Gases, landfill operators are requested to provide summary data on landfill gas (Methane) flared or utilised on their facilities to accompany the figures for total methane generated. Operators should only report their Net methane (CH4) emission to the environment under T(total) KG/yr for Section A: Sector specific PRTR pollutants above. Please complete the table below:

Landfill:		Stagrennan Polder				
Please enter summary data on the quantities of methane flared and / or utilised		T (Total) kg/Year	M/C/E	Method Used		Facility Total Capacity m3 per hour
				Method Code	Designation or Description	
Total estimated methane generation (as per site model)		0.0				N/A
Methane flared		0.0				0.0 (Total Flaring Capacity)
Methane utilised in engine/s		0.0				0.0 (Total Utilising Capacity)
Net methane emission (as reported in Section A above)		0.0				N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : W0052 | Facility Name : Stagrennan Polder | Filename : W0052_2010(1).xls | Return Year : 2010 |

03/05/2011 14:23

SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

Data on ambient monitoring of storm/surface water or groundwater, conducted as part of your licence requirements, should NOT be submitted under AER / PRTR Reporting as this only concerns Releases from your facility

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		M/C/E	Method Used		QUANTITY			
No. Annex II	Name		Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING PRTR POLLUTANTS

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		M/C/E	Method Used		QUANTITY			
No. Annex II	Name		Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION C : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

RELEASES TO WATERS					Please enter all quantities in this section in KGs			
POLLUTANT		M/C/E	Method Used		QUANTITY			
Pollutant No.	Name		Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

4.3 RELEASES TO WASTEWATER OR SEWER

[Link to previous years emissions data](#)

| PRTR# : W0052 | Facility Name : Stagrennan Polder | Filename : W0052_2010(1).xls | Return Yea

03/05/2011 14:23

SECTION A : PRTR POLLUTANTS

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
No. Annex II	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

OFFSITE TRANSFER OF POLLUTANTS DESTINED FOR WASTE-WATER TREATMENT OR SEWER					Please enter all quantities in this section in KGs			
POLLUTANT		METHOD			QUANTITY			
Pollutant No.	Name	M/C/E	Method Used		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year
			Method Code	Designation or Description				
					0.0	0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

4.4 RELEASES TO LAND

[Link to previous years emissions data](#)

| PRTR# : W0052 | Facility Name : Stagrennan Polder | Filename : W0052_2010(1).xls | Return Year : 2010 |

03/05/2011 14:23

SECTION A : PRTR POLLUTANTS

POLLUTANT		RELEASES TO LAND			Please enter all quantities in this section in KGs		
No. Annex II	Name	M/C/E	METHOD		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
			Method Code	Designation or Description			
					0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

SECTION B : REMAINING POLLUTANT EMISSIONS (as required in your Licence)

POLLUTANT		RELEASES TO LAND			Please enter all quantities in this section in KGs		
Pollutant No.	Name	M/C/E	METHOD		Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
			Method Code	Designation or Description			
					0.0	0.0	0.0

* Select a row by double-clicking on the Pollutant Name (Column B) then click the delete button

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0052 | Facility Name : Staggrennan Polder | Filename : W0052_2010(1).xls | Return Year : 2010 |

03/05/2011 14:23

Please enter all quantities on this sheet in Tonnes

3

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non-Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non-Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	17 05 06	No	0.0	17 05 05 dredging spoil other than those mentioned	R10	M	Volume Calculation	Offsite in Irelandireland		

* Select a row by double-clicking the Description of Waste then click the delete button

[Link to previous years waste data](#)

[Link to previous years waste summary data & percentage change](#)