



**DROGHEDA PORT COMPANY**

**CAPITAL DREDGING SCHEME**

**WASTE LICENSE W0052-01**

**ELEVENTH ANNUAL ENVIRONMENTAL REPORT**

**19<sup>TH</sup> AUGUST 2010**

**DROGHEDA PORT COMPANY**  
**CAPITAL DREDGING SCHEME**  
**WASTE LICENSE WL-52-01**  
**ELEVENTH 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 14<sup>th</sup> 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 Eleventh Annual Environmental Report (herein referred to as the AER) is required to cover the eleventh year from the grant of the license (i.e. 14th January 2009 to 13th January 2010).

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)<sup>1</sup>.

### 1.2 Site Details

**Site Address:**

*Name:* Stagrennan polder  
*Address:* Marsh Road  
Drogheda  
Co Louth

**Site Operator:**

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

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<sup>1</sup> Though directly referring to AER reporting requirements under Integrated Pollution Control Licences, these guidelines constitutes "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 as Robertson & Associates) on 6<sup>th</sup> 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 7<sup>th</sup> 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. Other than these two items, there were no further changes or works done since the original restoration works were carried out in 2006 or during the reporting period of this AER.

### **3.0 EMISSIONS**

The following monitoring was carried out during the eleventh year from the grant of the license (14 January 2009 - 13 January 2010) in compliance with the Waste License.

#### **3.1 Dust, Leachate, Suspended Solids and Noise Monitoring**

Monitoring for dust, leachate, suspended solids or noise have not been required since the main site operations ceased.

#### **3.2 Ecological Monitoring**

As is a requirement of the EPA, DCMNR and NPWS, 6 monthly ecological monitoring reports are produced to monitor and assess the progress of restoration. Elements which are monitored include numbers and species of wintering birds making use of the site, annual summer habitat surveys to monitor the establishment and evolution of habitats on the site, monitoring the physical changes in the site over time through a photographic record, and the numbers and species of macroinvertebrates which are becoming established on the polder and the transition to marine communities.

Two ecological monitoring reports were produced within the lifetime of this AER and these summarise all ecological monitoring work carried out during this AER period. These reports have been submitted to the EPA and copies have also been issued to the DAFF and NPWS.

The 5<sup>th</sup> (Winter) 6 Monthly Monitoring Report (Nov 2008 – April 2009) and 6<sup>th</sup> (Summer) 6 Monthly Monitoring Report (May to October 2009) found that the site has retained its topography and physical profile, has shown substantial establishment of mudflat and the other target coastal habitat types which have been in use by wintering waterfowl since the polder has been opened to the tide and which have been re-colonised by typical estuarine / marine macrofauna communities resembling the community structure present before the deposition of the dredge material on the polder.

The effort to restore Stagrennan Polder to its current condition, as a functioning mudflat and coastal habitat complex, with typical estuarine / marine macrofauna communities

established as a food resource for wintering waterfowl, has been successful. All indications are that the polder will continue to function as a valuable resource for birds as well as a range of other wildlife.

A three year post-monitoring period has now been completed and on the basis of the success of the restoration works, the Drogheda Port Company has submitted an application to the EPA to surrender Waste Licence 52-01. This application is currently under consideration by the EPA. As part of the application to surrender Waste Licence 52-01, an *Exit Audit of Restoration Works at Stagrennan Polder (March 2010)* was submitted to the EPA. This includes confirmation that the restoration specialists Dr. Geoff Proffitt (Aquaculture Wales), Diarmuid O'Loan (RPS) and Aebhín Cawley (Scott Cawley), are satisfied that all restoration works are now complete, that the restoration of Stagrennan Polder has been a success, as evidenced by the speed and success of establishment of the target habitats and the use of the polder by the target range of wintering waterfowl species at both high and low tide. The required 52% area plus an additional 0.28 hectare areas of mudflat were successfully created and continue to function as inter-tidal mudflat. A topographic survey and engineer's certificate are included within the exit audit report, providing confirmation that the required area of mudflat is present.

#### **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 9<sup>th</sup> October 2006 and were completed on the 3<sup>rd</sup> 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. As described above, a three year post-monitoring period has now been completed and on the basis of the success of the restoration works, the Drogheda Port Company has submitted an application to the EPA to surrender Waste Licence 52-01 which is currently under consideration by the EPA.

## 5.0 WASTE RECEIVED BY AND CONIGNED 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**

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

**Table 5.2 Hazardous Waste Received by the Facility**

		<b>Non-Hazardous Waste Received</b>			
<b>Waste Description</b>	<b>EWC Code</b>	<b>On-Site Disposal</b>		<b>On-Site Recovery</b>	
		<b>Method</b>	<b>Tonnes</b>	<b>Method</b>	<b>Tonnes</b>
None			Nil		Nil
		<b>Total</b>	Nil	<b>Total</b>	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 6,136m<sup>3</sup>, of which approximately 2,715m<sup>3</sup> 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 3,421m<sup>3</sup> 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.
<b>Total</b>		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			
<b>Total</b>		Nil			

## 6.0 ENVIRONMENTAL INCIDENTS AND COMPLAINTS

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

**Table 6.1 Environmental Incidents**

Date	Nature of Incident	Cause	Corrective Action
N/A	N/A	N/A	N/A

A site inspection was carried out by the EPA on 2<sup>nd</sup> December 2009 and an inspection report was issued on 3<sup>rd</sup> December 2009. There were no non-compliance issues reported. It was noted by the inspector that

*“...the polder was open to tidal influences and has now been functioning for three years. Extensive areas of mudflat were observed to be exposed at low tide. A variety of birds were also observed on the mudflats.*

*Agreed off-setting works were in progress and were scheduled to finish shortly. These works included, the provision of additional mudflat, removal of the failed freshwater pond, creation of screening hummocks and the installation of a hedgerow ditch along a section of the Marsh Road, Planting of this new section of hedgerow has been scheduled. Bat boxes have been obtained and will be erected shortly.”*

Subsequent to the EPA site inspection, all of these works were completed in December 2009

## 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)**

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

**Project 2 Public Awareness**

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

<b>Project 3 Waste license Compliance</b>	
<b>Reason for undertaking project</b>	Maintain compliance with Waste License conditions.
<b>Target</b>	Ensure reporting and notification procedures are adequate to maintain compliance with License conditions.
<b>Project summary</b>	Quarterly review of procedures and implementation.
<b>Designation of responsibility</b>	Project Manager – Waste License Compliance.
<b>Benefit of the Project</b>	Ongoing review of adequacy and success of procedures in place to ensure compliance with License conditions.
<b>Time Frame</b>	Quarterly from January 2000.

<b>Project 4 Compliance with Environmental Legislation</b>	
<b>Reason for undertaking project</b>	Maintain compliance with relevant environmental legislation.
<b>Target</b>	Ensure continued compliance with European and Republic of Ireland Legislation.
<b>Project summary</b>	Quarterly review of current legislation.
<b>Designation of responsibility</b>	Project Manager – Waste License Compliance.
<b>Benefit of the Project</b>	Ensure site is being operated in compliance with European and Republic of Ireland environmental Legislation.
<b>Time Frame</b>	Quarterly from January 2000.

<b>Project 5 Continuing Good Management</b>	
<b>Reason for undertaking project</b>	Improve, where possible, management practices on site.
<b>Target</b>	Ensure site management procedures are adequate to protect the environment and improve on them where necessary/possible.
<b>Project summary</b>	Quarterly review of site management practices and implementation.
<b>Designation of responsibility</b>	Licensee/Project Manager – Waste License Compliance.
<b>Benefit of the Project</b>	Ensure adequacy and success of site management procedures in protecting the environment.
<b>Time Frame</b>	Quarterly from January 2000.
<b>Project 6 Removal of Dredged Material in Shortest Possible Timescale</b>	
<b>Reason for undertaking project</b>	To restore Stagrennan polder to its original state as soon as possible.
<b>Target</b>	Ensure that deposited dredged material is removed from Stagrennan polder within the shortest possible timescale.
<b>Project summary</b>	Removal of dredged material in shortest possible timescale.
<b>Designation of responsibility</b>	Licensee / Project Manager – Waste License Compliance.
<b>Benefit of the Project</b>	Ensure the beneficial reuse of dredged material and the improvement of Drogheda Port facilities.
<b>Time Frame</b>	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:

<b>Time of Incident</b>	<b>Contact Person/ Section in EPA</b>	<b>Type of Contact Required</b>	<b>Latest time by which Contact should be made</b>
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**

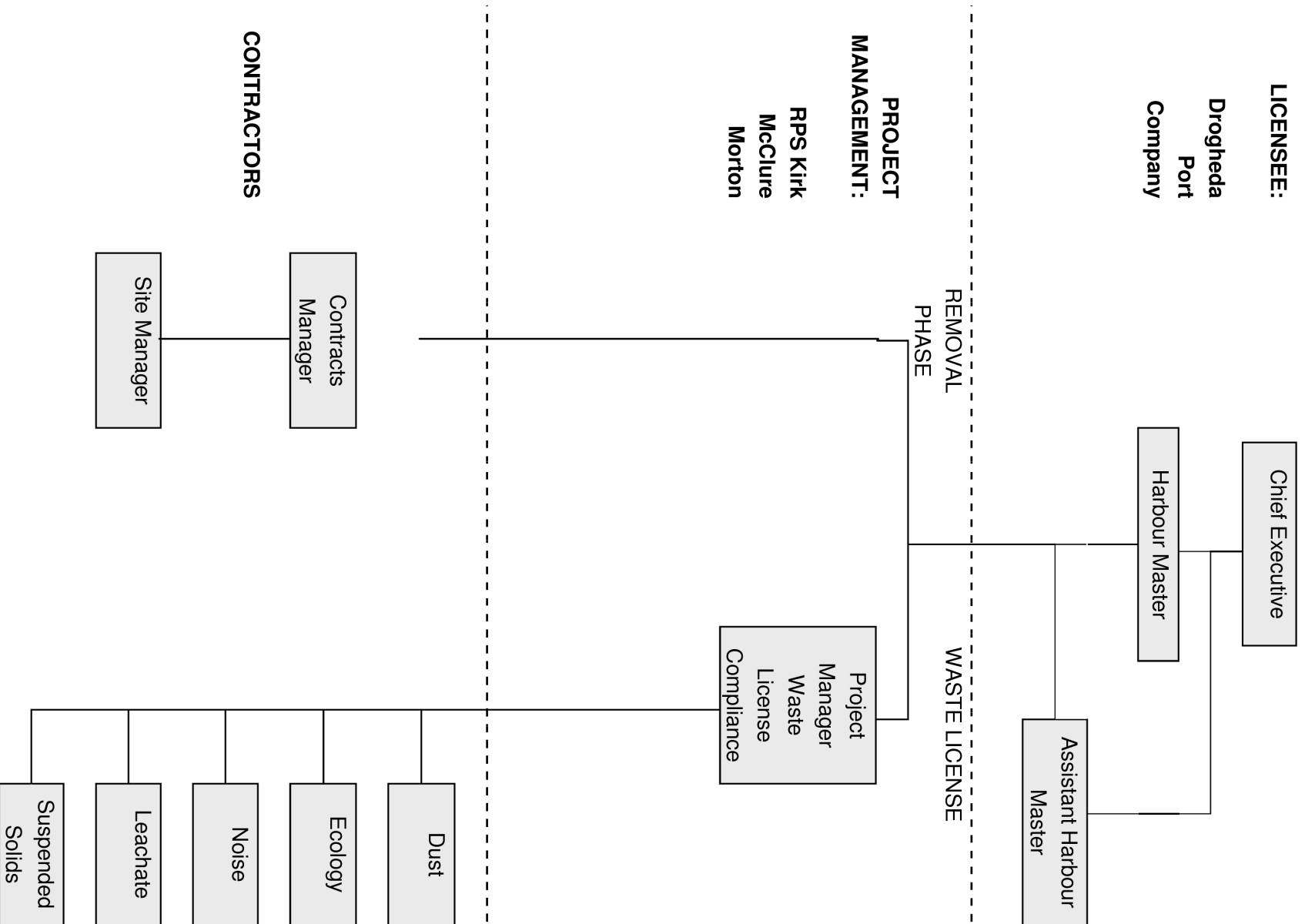
Provision has been made for the restoration of Stagrennan Polder. The majority of the dredged sand and gravel deposited within the polder had been removed. The materials were sold to the construction industry and the revenues derived will be used for the restoration of the habitat within the polder. 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**



| PRTR# : W0052 | Facility Name : Stagrennan Polder | Filename : W0052\_2009  
19.08.10.xls | Return Year : 2009 |

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# AER Returns Worksheet

Version 1.1.10

<b>REFERENCE YEAR</b>	2009
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## 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
<b>AER Returns Contact Name</b>	Aebhin Cawley
<b>AER Returns Contact Email Address</b>	acawley@scottcawley.com
<b>AER Returns Contact Position</b>	Director, Scott Cawley Ltd.
<b>AER Returns Contact Telephone Number</b>	01-6769815
<b>AER Returns Contact Mobile Phone Number</b>	
<b>AER Returns Contact Fax Number</b>	
<b>Production Volume</b>	0.0
<b>Production Volume Units</b>	
<b>Number of Installations</b>	0
<b>Number of Operating Hours in Year</b>	0
<b>Number of Employees</b>	0
<b>User Feedback/Comments</b>	
<b>Web Address</b>	

## 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 ?	

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0052 | Facility Name : Stagrennan Polder | Filename : W0052\_2009 19.08.10.xls | Return Year : 2009 |

19/08/2010 14:54

4

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	5645.0	Inert sand and gravels excavated from site during ecological restoration works required by National Parks and Wildlife Service, and transported to immediately adjacent site for land reclamation works.	R10	Harbour	Volume Calculation	Offsite in Ireland	Drogheda Port Company,W0052-01	Harbourville House,Mornington Road,Drogheda ,Co. Meath,Ireland		
Within the Country	17 05 06	No	4480.0	Inert sand and gravels excavated from site during ecological restoration works required by National Parks and Wildlife Service, and re-used elsewhere within the site for agreed alternative ecological restoration measures	R10	C	Volume Calculation	Onsite in Ireland	Drogheda Port Company,W0052-01	Harbourville House,Mornington Road,Drogheda ,Co. Meath,Ireland		

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