



**ANNUAL ENVIRONMENTAL REPORT**  
**FOR GREENSTAR LTD.**  
**DEEP WATER QUAY SLIGO**  
**LICENCE NO. W0058-01**  
**JANUARY 2010 – DECEMBER 2010**

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**31<sup>st</sup> March 2011**

Project		Annual Environmental Report 2010		
Client		Greenstar Ltd. W0058-01		
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## 1. INTRODUCTION

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This is the 2010 Annual Environmental Report (AER) for the Greenstar Ltd. (Greenstar), Materials Recovery & Transfer facility (MRF) at Deep Water Quay, Sligo. The AER covers the period from the 1<sup>st</sup> January 2010 to the 31<sup>st</sup> December 2010.

The content is based on Schedule B of the Waste Licence (Reg. No. W0058-01) and the report format follows guidelines set in the “Guidance Note for Annual Environmental Report” issued by the Environmental Protection Agency (Agency)<sup>1</sup>.

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<sup>1</sup> EPA (Environmental Protection Agency) 1999 Waste Licensing – Draft Guidance on Environmental Management Systems and Reporting to the Agency

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## 2. SITE DESCRIPTION

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### 2.1 Site Location and Layout

The facility is located at Deepwater Berths Road, approximately 1.5 km northwest of Sligo town centre and 1 km from a relief road linking the N4 to the N15.

The licensed area, which encompasses approximately 11,000 m<sup>2</sup> and is accessed off the Deepwater Berths Road, is occupied by one waste transfer building, site offices, open yard areas and a civic amenity area.

The main building encompasses approximately 2,322 m<sup>2</sup> and is divided into three bays. The site offices, which are located beside the main entrance, comprise a two storey building encompassing approximately 84 m<sup>2</sup>. The north western yard is paved with concrete and provides access to the waste processing building. The south-eastern yard is also paved and comprises the civic amenity area and an open paved yard area.

### 2.2 Waste Management Activities

The facility is licensed to accept 100,000 tonnes per annum of household waste, commercial waste, industrial non-hazardous waste and construction and demolition waste for processing and/or transfer for disposal or recovery.

#### 2.2.1 Waste Types

The facility is licensed to accept the following waste types: -

- Household (41,400 tonnes);
- Commercial (4,600 tonnes);
- Industrial Non-hazardous (45,000 tonnes);
- Construction & Demolition (C&D) (9,000 tonnes);

No hazardous wastes or liquid waste are accepted.

Waste, bulking and segregation take place inside the waste transfer building, as specified in Condition 5.1 of the Licence and include:

- Segregation of recyclable material (paper, cardboard, plastic, wood, aluminium cans);
- Baling of segregated materials;
- Sorting and segregation of C&D waste.
- Bulking up of Municipal Solid Waste;
- Transfer of recovered and residual materials to appropriately licensed recycling, recovery and disposal outlets;

### *Household Waste*

Residual or black bin household waste arrives in refuse collection vehicles. It is then bulked in the waste transfer building and loaded into large bulk transporters for consignment to an appropriately licensed landfill. Source segregated household dry recyclables are baled and stored prior to transfer to permitted/licensed off-site recycling facilities.

### *Commercial and Industrial Waste*

Both mixed and segregated commercial waste is collected from commercial outlets. Commercial waste containing many recyclable waste streams (paper, cardboard, glass, metal, green waste and wood) is delivered to the facility both by permitted third party hauliers and by Greenstar vehicles. Plastic, card and paper are baled and stored prior to transfer to a suitable permitted/licensed off-site recycling outlet. Biodegradable wastes suitable for composting which are accepted at the facility are sent to an offsite composting facility. The remaining non-recyclable material is bulked and sent to appropriately licensed landfills.

### *C & D Waste*

Waste loads include mixed construction and demolition wastes and soil and stone. The material is accepted and weighed at the facility in skips of varying sizes. The waste loads are inspected and then bulked. The majority of the incoming C&D material is recovered and sent off-site either for re-use or recycling. The non-recyclable elements of this waste stream are transferred to a licensed landfill.

## Civic Amenity Area

The civic amenity area is located to the south-east of the waste transfer building and has its own dedicated entrance for members of the public. There are a number of dedicated closed 14 yard skips for MSW, dry recyclables (cardboard, plastics, metals, papers etc) and WEEE.

### 2.2.1 Plant List

A list of the plant in use at the facility is given in Table 2.1. The plant provides 100% duty and 50% standby for waste processing.

**Table 2.1** Plant List – 2010

No.	Plant	Model	Operational Capacity	Standby Capacity
1	Baler	Boa	7t/hr	7t/wk
1	Paper Shredder	Alleghney	500kg/hr	500kg/hr
5	Trucks	Skip Trucks *3	60hr/wk	-
		Refuse Trucks *4	60hr/wk	-
1	Hook Lifter	Scania	65hr/wk	-
1	Loading Shovel	Caterpillar 938G	70t/hr	-
1	Fork Lift	Yale x2	65hr/wk	-
	Trommel	Powerscreen	60t/hr	
1	Grab	Fuchs MHL340	25t/hr	-
1	Weighbridge	Avery Weightronic	46hr/wk	-

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### **3. EMISSION MONITORING**

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Greenstar implements a comprehensive environmental monitoring programme to assess the significance of emissions from site activities as per Schedule E of the Waste Licence. The programme includes surface water, foul water, groundwater, noise, landfill gas and dust monitoring. The monitoring locations are shown on Figure 3.1.

The fully certified monitoring results are submitted to the Agency at quarterly intervals. An overview of the results of the monitoring is presented in this Section.

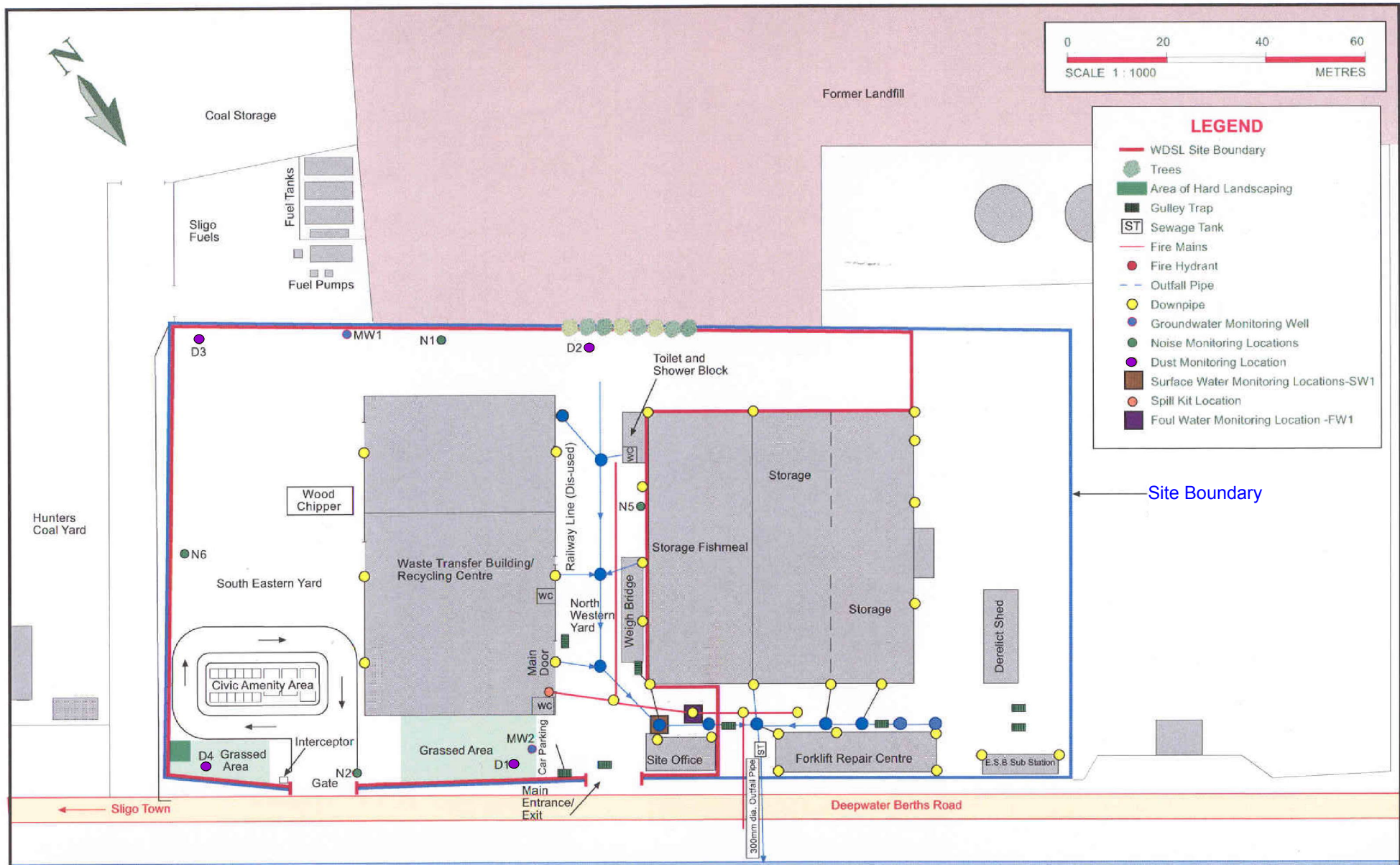
#### **3.1 Surface Water Monitoring**

The surface water drainage system, serving roofed and open yard areas, discharges via a silt trap and petrol/oil interceptor to the Garavogue River. The interceptor and drains are cleaned when required.

Surface water monitoring is carried out in accordance with Condition 9.2 and Schedule E of the licence at quarterly intervals at the final discharge point (SE-2). The range of analysis is as specified in Schedule E and includes pH, electrical conductivity, Chemical Oxygen Demand (COD), Biological Oxygen Demand (BOD), ammoniacal nitrogen, chloride, surfactants, total suspended solids (TSS), mineral oils, oils, fats and greases and total and faecal coliforms.

The results are shown on Table 3.1. In general the surface water discharge from the facility is of good quality. With the exception of the ELVs for BOD and TSS in Q4, the ELVs were not exceeded. The ELV for BOD was marginally exceeded and at this level is not considered significant. Monitoring in Q4 was carried out on the 16<sup>th</sup> December 2010 which was during a thaw in weather conditions following a prolonged freezing period. The cause of the elevated TSS levels is most likely due to sand and grit used on the access roads in the vicinity of the facility and on the facility yards areas in order to keep the roads clear during the freezing period.





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CLIENT

Greenstar Ltd

Details

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FIGURE NUMBER

3.1

TITLE

Monitoring Locations

Scale

Not To Scale

Revision

A

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**Table 3.1** Surface Water Results for 2010

Parameter	Units	SE-2 Q1	SE-2 Q2	SE-2 Q3	SE-2 Q4	Emission Limit
pH	pH units	8.5	7.3	7.2	7.8	6 – 9
Conductivity	mS/cm	0.560	0.533	0.450	0.455	N/A
Chloride	mg/l	6	10.5	22.9	72.9	N/A
Ammoniacal Nitrogen	mg/l	0.279	1.79	0.736	0.0924	N/A
COD	mg/l	35	96	31	200	N/A
BOD	mg/l	10	16	13	22	20
Total Suspended Solids	mg/l	24	18	8	180	30
Surfactants	mg/l	0.138	0.105	0.5	0.58	N/A
Mineral Oils	mg/l	0.164	0.119	0.6	0.995	N/A
Oils, Fats & Greases	mg/l	2	6	<2	2	10

N/A - not applicable

### 3.2 Groundwater Monitoring

There are no direct or indirect emissions to ground from the facility. Groundwater monitoring is carried out annually at two locations (MW1 and MW2) shown on Figure 3.1. MW1 is located on the southern boundary of the site in an open paved yard area, and MW2 is located on the northern boundary near the main entrance to the site. MW1 is upgradient of site activities, while MW2 is downgradient.

The laboratory analysis included the annual range of parameters specified in Schedule E of the licence. The sampling and analysis was carried out in accordance with recognised quality assurance and control procedures. The parameters were ammoniacal nitrogen, BOD, chloride, mineral oils, pH, faecal coliforms and total coliforms.

There are no ELVs or trigger limits set in the licence. The results are compared to the Interim Guideline Values (IGV) on groundwater quality published by the Agency. The summary results for 2010 are shown on Table 3.2.

Elevated levels of ammoniacal nitrogen and mineral oils were detected in the upgradient well MW1. Elevated levels of chloride and ammoniacal nitrogen were detected in MW2. Faecal coliforms were not detected in either MW1 or MW2. Total coliforms were detected in both monitoring wells, but at very low levels.

The elevated ammoniacal nitrogen and chloride may be attributable to a former landfill (the closed Finisklin landfill is located immediately west of and hydrologically up gradient of the facility) and the effects of salt water intrusions beneath the site from the estuary. The elevated levels of mineral oils recorded at MW1 are attributed to a neighbouring kerosene and diesel Distribution Centre approximately 5 m from the site's southern boundary.

Oil contamination was initially detected in MW1 in 2006 and it has persisted. Greenstar informed the distribution centre, the Agency and Sligo County Council of the discovery of the oil contamination.

**Table 3.2** Groundwater Monitoring Results June 2010

Parameter	Units	MW1	MW2	IGV
pH	pH units	7.3	7.0	6-9
Chloride	mg/l	19.5	56.5	30
Ammoniacal Nitrogen	mg/l	1.25	0.481	0.15
BOD	mg/l	19	<2	-
Mineral Oils	mg/l	43.9	<0.01	0.01
Faecal Coliforms	cfu/100ml	<1	<1	0
Total Coliforms	cfu/100ml	1	7	0

### 3.3 Foul Water Monitoring

Foul water is generated by floor runoff in the transfer building and sanitary discharges. In Q1 and Q2 the foul water drainage system discharged via a holding tank to the Garavogue River. In July 2010 and following agreement with the Agency the drainage system was connected to the Sligo County Council municipal sewer, which connects to the municipal waste water treatment plant located approximately 500 m from the facility. Monitoring is carried out at one location (SE-1), the final discharge point from the facility. Foul water monitoring is carried out quarterly in accordance with Condition 9.2 and Schedule E of the licence. The sampling location is shown on Figure 3.1. The monitoring results are presented on Table 3.3.

The range of analysis was as specified in Schedule E of the Waste Licence and includes pH, BOD, COD, ammoniacal nitrogen, chloride, detergents, total suspended solids, mineral oils, oils, fats and greases, total coliforms and faecal coliforms. The sampling and analysis was carried out in accordance with recognised quality assurance and control procedures.

Emission Limit Values (ELV) for SE-1 are set in Schedule F of the Licence. In Q1 and Q2 the ELVs set in the Licence were not exceeded. In Q3, the ELVs were amended as the discharge to the river had stopped, the relevant ELVs are those set by the sanitary authority for discharge to the municipal sewer. The Q3 and Q4 results were all below the ELVs set by the sanitary authority.

**Table 3.3** Foul Water Monitoring Results for 2010

Parameter	Units	SE-1	SE-1	SE-1	SE-1	Sanitary Authority Emission Limits
		Q1	Q2	Q3	Q4	
pH	pH units	7.06	7.40	7.2	7.3	6 – 10
Temperature	°C	12	12	15	13	42
Conductivity	mS/cm	0.560	0.650	0.710	0.500	-
Chloride	mg/l	15	25	27	9	3,000
Ammoniacal Nitrogen	mg/l	0.5	1.22	75	19	6,000
COD	mg/l	19	15	30.9	18.9	-
BOD	mg/l	5	8	2.19	1.6	100
Total Suspended Solids	mg/l	10	<2	33	7	1,250
Surfactants	mg/l	<0.2	0.024	0.144	0.65	100
Mineral Oils	mg/l	<0.01	<0.01	<2	<2	100
Oils, Fats & Greases	mg/l	0.151	<2	<10	0.0306	10
Faecal Coliforms	cfu/100ml	-	-	-	>2420	-
Total Coliforms	cfu/100ml	-	-	-	>2420	-

N/A – Not Applicable

### 3.4 Noise Survey

All waste processing is carried out internally which provides significant attenuation for noise emissions from waste processing. The annual noise survey was carried out on 10<sup>th</sup> September in accordance with Schedule E of the licence. Monitoring was carried out at the four noise monitoring locations, N-1, N-2, N-5 and N-6 specified in the licence and shown on Figure 3.1. The results are summarised on Table 3.4. The survey concluded that the facility was fully compliant with its licence requirements.

The nearest sensitive receptors to the facility are private residences located approximately 200 m to the east of the facility across the Garavogue River at Cartron, Sligo. There are also some individual residences located close to the Finiskiln Industrial Estate approximately 200 m south of the facility. An inspection undertaken by the acoustic consultant in the vicinity of the nearest sensitive locations prior to the onsite noise survey indicated that noise emissions from the study site were not audible or discernible at these locations.

**Table 3.4** Noise Monitoring Results 2010

Station	Time	L <sub>Aeq 30</sub> min dB	L <sub>AF10 30</sub> min dB	L <sub>AF90 30</sub> min dB	Specific level* dB	Noise audible
N1	1137- 1207	63	60	44	63	Frequent forklift truck movements around yards dominant when passing close to sound level meter. Vehicle movements in yard also audible. No waste processing activities audible. Crows. No emissions from offsite premises to rear.
N2	1031- 1101	57	60	46	51-57	Sporadic car movements through civic amenity area entrance and user waste disposal activities dominant. No other site operations audible other than truck movements through main entrance. Passing road traffic significant. Bird song/calls.
N5	1105- 1135	67	70	58	67	Vehicle movements through entrance and around yard dominant when present. Intermittent front end loader use audible within site buildings. Forklift truck x2 audible in buildings and around yards. Stationary waste processing plant and grab machine audible at low level during site lulls. Passing traffic on road audible.
N6	1216- 1246	61	65	52	56-61	Forklift truck movements locally in yard audible. Waste processing emissions within buildings also audible. Offsite, intermittent traffic on industrial estate roads to N and E significant. Bird calls.

\*Specific level: Sound pressure level contribution considered attributable to facility

### 3.5 Dust Monitoring

There are significant off-site sources of dust in the vicinity of the facility which is located in an industrial area of Sligo Port. In dry weather conditions Greenstar dampen down access roads and the paved yards. Dust monitoring was carried out three times during the year in accordance with Schedule E of the licence at four on-site locations (D1, D2, D3 and D4) as shown on Figure 3.1. The licence requires that two of these monitoring events be carried out between May and September. Dust monitoring was carried out in May/June, July and September 2010. The results of the dust monitoring are summarised in Table 3.5.

The dust deposition limit (350 mg/m<sup>2</sup>/day) was exceeded in May/June at D3 and in July at D1 and D3. The limit was not exceeded at any other monitoring location during the reporting period. An open coal storage and distribution depot is to the west and south west of the Greenstar facility, with coal stockpiles close to monitoring location D3. When collecting the gauges on both occasions, OCM noted the presence of black dust in each of the gauges including location D3 and this is also noted in the laboratory report. At D1 in July it was evident that the dominant source of the dust is the neighbouring open coal storage and distribution yard. Algae and organic matter likely to be the remains of leaves from some small trees in the vicinity of location D1 were also noted in the gauge from this location.

**Table 3.5** Dust Monitoring Results 2010

	May/June '10 mg/m <sup>2</sup> /day	July '10 mg/m <sup>2</sup> /day	September '10 mg/m <sup>2</sup> /day	Deposition Limit mg/m <sup>2</sup> /day
D1	326	506	239	350
D2	157	101	83	350
D3	465	427	280	350
D4	203	239	141	350

### 3.6 Landfill Gas Monitoring

The annual gas monitoring programme was carried out in accordance with Schedule E of the licence and included measurements of methane, carbon dioxide, oxygen and atmospheric pressure from the two groundwater monitoring wells (MW1 & MW2) and the facility office in September 2010. There are no emission limits set in the waste licence. Carbon dioxide and methane were not detected at any of the monitoring locations. There is no evidence that landfill gas is present in the soils beneath the facility.

OCM carried out the gas measurements using a Gas Data LSMx gas analyser. The meter was calibrated before use. The detection limit is 0.1% for methane, carbon dioxide and oxygen. The results are shown on Table 3.6.

**Table 3.6** Landfill Gas Monitoring Results 2010

LANDFILL GAS MONITORING FORM				Baseline		Ambient	x
Site Name: Greenstar Ltd. – Sligo Depot				Site Address: Greenstar, Deep Water Quay Sligo.			
Operator: GREENSTAR				National Grid Reference:			
Site Status: Operational				Date: 08/10/2010			
Instrument used: Gas Data LMSx		Normal Analytical Range: 0 – 100%					
Monitoring Personnel: OCM				Weather: Dry, Mild			
Results							
Sample Station Number	Borehole/spike/other	CH <sub>4</sub> (% v/v)	CO <sub>2</sub> (% v/v)	O <sub>2</sub> (% v/v)	Barometric Pressure (mb)	Comment	
MW1	Borehole	0.0	0.2	19.8	998		
MW2	Borehole	0.0	0.1	20.1	998		
OFFICE	-	0.0	0.1	21.0	998		

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## 4. SITE DEVELOPMENT WORKS

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### 4.1 Engineering Works

Table 4.1 lists the development works which were carried out on-site in 2010. There are no proposed development works planned for 2011. The facility has sufficient plant capacity to handle the volumes of waste accepted at the facility. It is not expected that the existing methods, processes, waste types accepted and operating procedures will not be altered significantly in 2011. The Agency will be notified of all specified engineering works as per Condition 4.18 of the Licence.

**Table 4.1** Update on Proposed Development Works for 2010

Description of Works	Scheduled Date	Status
Connect waste water discharges to Municipal WWTP	Application to Sligo Council for the connection made in Q4 2009. Expected connection in Q2 2010	Connected in July 2010

### 4.2 Summary of Resource & Energy Consumption

Table 4.3 presents an estimate of the resources used on-site during the reporting period from January to December 2010.

**Table 4.3** Estimates of Resources Used On-Site

Resources	Quantities
Vehicle Diesel	178,000 litres
Diesel (green)	33,000 litres
Electricity	119,700kwh
Hydraulic & Engine Oil	1,500 litres

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## **5. WASTE RECEIVED AND CONSIGNED FROM THE FACILITY**

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Table 5.1 shows the quantities for the period January 2010 to December 2010. The total quantity of waste received was 17,359.50 tonnes and the total waste consigned was 18,493.61 tonnes. For comparative purposes the amounts of waste received and consigned from 2003 to 2009 are presented in Tables 5.2 and 5.3. As per Condition 5.8 of the licence all the wastes consigned from the site went to recovery and disposal facilities as agreed with the Agency and a copy of the relevant Facility Permit or Waste Licences retained on site for Agency inspection.

The recording system shows 1,134.11 more tonnes consigned than accepted during the reporting period. This is understood to be due mainly with the way waste received at the civic amenity facility is recorded. Not all wastes received at the civic facility are weighed in prior to processing however it is all weighed out and the offsite destinations recorded.

The recycling rate for the facility is estimated at 39%.



**Table 5.1** Waste Received & Consigned 2010

<b>EWC</b>	<b>Description</b>	<b>Waste In</b>	<b>Waste Out</b>
02 07 04	Mixed Powders	68.00	67.78
02 07 05	Interceptor Sludge	730.00	743.00
15 01 01	Cardboard Packaging	935.00	1,224.82
15 01 02	Plastic Packaging	285.00	
15 01 03	Wooden Packaging	2.00	
15 01 04	Metallic Packaging	44.00	42.00
15 01 05	Tetrapak	15.00	
15 01 06	Mixed Packaging	1,225.00	1,127.87
15 01 07	Glass Packaging	122.00	92.32
15 01 09	Textile Packaging	1.00	
16 02 14	White Goods	0.50	
16 01 21*	Batteries		0.46
17 01 07	Mixture of concrete, bricks, tiles and ceramics from C&D Waste	188.00	378.23
17 04 01	Copper, bronze, brass	2.00	4.00
17 04 11	Cables from C&D Waste	2.00	
17 05 04	Soil & Stone from C&D Waste	19.00	13.25
19 08 02	Grit	14.00	
19 12 07	Processed Wood	1.00	14.09
19 12 09	Minerals from mechanical treatment	157.00	302.00
19 12 12	Mixed Residual Waste from mechanical treatment	5,060.00	12,755.21
20 01 01	Paper & Cardboard	375.00	428.00
20 01 03	Glass	2.00	
20 01 08	Commercial Food Wastes	142.00	68.11
20 01 11	Textiles	18.00	18.00
20 01 35*	WEEE	268.00	266.43
20 01 38	Wood from municipal sources	180.00	154.00
20 01 39	Plastic from municipal sources	10.00	287.55
20 01 40	Metal from municipal sources	130.00	243.26
20 02 01	Biodegradable garden & park waste	41.00	
20 03 01	Mixed Residual Waste from mechanical treatment	2,627.00	
20 03 07	Bulky Waste	4,696.00	263.23
	<b>Total Accepted</b>	<b>17,359.50</b>	
	<b>Total Consigned</b>		<b>18,493.61</b>
	<b>Total Recovered</b>		<b>7,215.97</b>
	<b>Total Disposed</b>		<b>11,277.64</b>
	<b>Recycling Rate</b>		<b>39.02</b>

**Table 5.2** Waste Received & Consigned 2009

Material	Tonnes per Annum		
	Received	Recovered	Landfilled
<b>Construction and Demolition</b>	803		
<b>MSW</b>	11,724		11,724
<b>Commercial and Industrial</b>	6,890	2,078	5,139
<b>Construction and Demolition</b>			
		981	
<b>Non-Recyclables</b>			
<b>Mixed Recyclables</b>	1,189	1,279	
<b>Plastic</b>	315	265	
<b>Paper and Cardboard</b>	1,327	1,587	
<b>Metal</b>	178	355	
<b>Timber</b>	417	260	
<b>Batteries</b>	0	6	
<b>Rubber</b>	0		
<b>Glass</b>	106	122	
<b>Fines</b>	0	492	
<b>Sludge</b>	802	823	
<b>WEEE</b>	235	245	
<b>Textile</b>	19	24	
<b>Tetra Pak</b>	17	0	
<b>Green Biodegradable Waste</b>	35	35	
<b>Mixed Powders</b>	208	208	
<b>IBC</b>	1	0	
<b>Supersacks</b>	0	0	
<b>Total Tonnage</b>	24,267	8,760	16,864
<b>Recovery Rate</b>	<b>34.19%</b>		

**Table 5.3** Total Tonnes Received and Consigned in 2003-2009

Year	Tonnes per Annum	Tonnes Recovered	Tonnes Landfilled
<b>2003/2004</b>	14,484	2,199	12,285
<b>2004</b>	18,548	6,351	12,197
<b>2005</b>	21,500	6,750	12,694
<b>2006</b>	23,196	8,393	15,634
<b>2007</b>	32,271	9,224	24,672
<b>2008</b>	36,993	7,082	32,148
<b>2009</b>	24,267	8,760	16,864

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## **6. ENVIRONMENTAL INCIDENTS AND COMPLAINTS**

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### **6.1 Incidents**

There were three environmental incidents during the reporting period, two related to exceedances of the dust deposition limit and one to an exceedance of the emission limit set for surface water. There were no other incidents at the facility as defined by the licence in 2010.

In the fourth quarter, the BOD and TSS levels at SE-2 exceeded the ELVs set in the Licence. The dust deposition limit was exceeded at D3 in May/June and at D1 and D3 in July 2010. It is however considered that the dust source was off site rather than site activities. These incidents were reported to the Agency, Sligo County Council and the Fisheries Board in accordance with Condition 3.3 of the Licence.

### **6.2 Register of Complaints**

Greenstar maintains a register of complaints received in accordance with Condition 3.12 of the waste licence. No complaints were received in the reporting period.

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## 7. ENVIRONMENTAL DEVELOPMENT

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### 7.1 Environmental Management Programme Report

Greenstar has developed an Environmental Management System (EMS) for the facility and achieved ISO 14001 accreditation in 2010. The facility will be certified to OHSAS 18001 in May of 2012 and will operate under an Integrated Environmental, Health & Safety Management System. As part of this IMS Greenstar has developed a list of environmental, management, operating and maintenance procedures, details of which are outlined in Appendix 1. The schedule of Objectives and Targets, including their status for 2010 (Table 7.1), as well as the proposed Objectives and Targets for 2011 (Table 7.2) are presented below.

#### 7.1.1 Site Management Structure

**Name:** David Stapleton

**Responsibility:** General Manager; overall management of the site

**Experience:** 18 years experience

**Name:** Barry Gallagher

**Responsibility:** Operations Manager; overall management of the site, responsible for management of all fleet activities

**Experience:** 20 years experience. N.C.B.S

**Name:** Anthony Lynch

**Responsibility:** Yard Foreman, management of baler, pickers, forklift driver and yard cleaner

**Experience:** 9 years

**Name:** Louise Lynch

**Responsibility:** Administration Manager, office administration

**Experience:** 8 years

### *7.1.2 Staff Training*

Environmental Health and Safety training was carried out for all staff. Environmental management training was carried out as part of the ISO 14001 programme. Training records are kept at the site office.

## **7.2 Environmental Management Programme Proposal**

### *7.2.1 Schedule of Objectives 2010*

The objectives that were achieved during this reporting period are outlined in Table 7.1.

### *7.2.2 Schedule of Objectives 2011*

A schedule of targets and objectives for 2011 has been set by the management of the Sligo facility. These objectives are outlined in Table 7.2.

**Table 7.1** Schedule of Objective and Targets 2010

No.	Objective	Target	Status
1	<b>Awareness and Training</b>	Continue to ensure that appropriate training is carried out specific to all site personnel as per the Company's established Training Matrix.  Spill training, inclusive of a spill scenario to be carried out.	Ongoing
2	<b>Energy &amp; Resource Consumption</b>	Summarise energy and resource usage on a quarterly basis with a view to reducing consumption	Outstanding
3	<b>Review and Assess the Effectiveness of Nuisance Control Procedures</b>	Continually review and assess all nuisance control procedures to ensure minimal impact on the surrounding area.	Ongoing
4	<b>Pollution Prevention</b>	Strive to ensure that monitoring results comply with the licence limits and investigate any exceedances of emission limit values.  Continue to ensure the integrity and maintenance of all drainage infrastructure.	Ongoing
5	<b>ISO 14001 Accreditation</b>	Achieve ISO 14001 accreditation.	Complete
6	<b>Improve foul and surface water quality</b>	Apply for connection to Sligo Main Drainage Scheme	Connected July 2010

**Table 7.2** Schedule of Objective and Targets 2011

<b>No</b>	<b>Objective</b>	<b>Target</b>	<b>Responsibility</b>	<b>Timescale</b>
1	<b>Awareness and Training</b>	Continue to ensure that appropriate training is carried out specific to all site personnel as per the Company's established Training Matrix.	<b>Site Management</b>	<b>Q4 2011</b>
2	<b>Energy &amp; Resource Consumption</b>	Summarise energy and resource usage on a quarterly basis with a view to reducing consumption	<b>Site Management</b>	<b>Q4 2011</b>
3	<b>Review and Assess the Effectiveness of Nuisance Control Procedures</b>	Continually review and assess all nuisance control procedures to ensure minimal impact on the surrounding area.	<b>Site Management</b>	<b>Q4 2011</b>
4	<b>Pollution Prevention</b>	Strive to ensure that monitoring results comply with the licence limits and investigate any exceedances of emission limit values.	<b>Site Management</b>	<b>Q4 2011</b>
5	<b>OHSAS Certification</b>	The facility will be certified to OHSAS 18001 and will operate under an Integrated Environment, Health & Safety System	<b>Site Management</b>	<b>Q4 2011</b>
6	<b>Improve Waste Segregation</b>	Review segregation organisation within the Material Recovery Building	<b>Site Management</b>	<b>Q2 2011</b>

### **7.3 Communications Programme**

Greenstar are committed to setting the standard in waste management and ensuring environmental compliance in all operations. In addition, Greenstar's Environmental Policy makes a specific commitment to make the environmental policy and records available to the public and interested parties.

To this end Greenstar has drawn up a Communications Programme, which details how members of the public are facilitated in accessing environmental information at the facility.

Records available for public inspection on-site include:-

- Environmental Policy;
- Waste Licence;
- Licence Application and Review documentation;
- Monitoring Records;
- Complaints File;
- EPA Correspondence File.

Opening Times for Inspection of Records are from 10 am – 4 pm.

Visits to the site should be arranged in advance by ringing the Facility Manager or Supervisor at 071 - 9143037.

### **7.4 Report Financial Provision**

Greenstar has accrued over €3,000,000 in funds, to provide for any potential environmental liabilities at this facility. Greenstar also has adequate insurance cover for environmental liabilities to €6,350,000 for any one occurrence, which will apply to “sudden identifiable and unintended incidents”.



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## **8. OTHER REPORTS**

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### **8.1 European Pollutant Release and Transfer Register Regulation**

Under the European Pollutant Release and Transfer Register Regulation (EC) No. 166/2006 Greenstar are required to submit information annually to the Agency. A copy of the information submitted to the Agency via the web-based data reporting system is included in Appendix 2.

# **APPENDIX 1**

## Procedures List



<b>Doc. No.:</b> Control	<b>Revision No.:</b> As Shown	<b>Issue Date:</b> As Shown
<b>Approved By:</b>	Malcolm Dowling – Group Environmental Manager	<b>Page 1 of 2</b>
	Oliver Callan – Group H&S Manager	

**Integrated Procedures - IP**

IP-01	Document & Record Control Procedure	Rev 02, 05/02/10
IP-02	Health & Safety Risk Assessment Procedure	Rev 03, 10/03/10
IP-03	Environmental Aspects & Impacts Procedure	Rev 03, 10/03/10
IP-04	Legal & Regulatory Requirements Procedure	Rev 03, 10/03/10
IP-05	Objectives, Targets & Management Programmes Procedure	Rev 03, 10/03/10
IP-06	Competence, Training & Awareness Procedure	Rev 03, 10/03/10
IP-07	Communication & Consultation Procedure	Rev 04, 28/04/10
IP-08	Monitoring, Measurement & Improvement Procedure	Rev 02, 05/02/10
IP-09	Evaluation of Compliance Procedure	Rev 03, 10/03/10
IP-10	Non Conformances, Corrective/Preventive Actions Procedure	Rev 03, 10/03/10
IP-11	Internal Audit Procedure	Rev 03, 10/03/10
IP-12	Management Review Procedure	Rev 02, 05/02/10
IP-13	Control of Contractors/Visitors Procedure	Rev 03, 10/03/10
IP-14	Health & Safety & Environmental Monitoring	Rev 02, 05/02/10
IP-15	Emergency Preparedness & Response Procedure	Rev 02, 10/03/10

**Safety Procedures - SP**

SP-01	Permit to Work Procedure	Rev 03, 10/03/10
SP-02	Maintenance & Calibration Procedure	Rev 03, 10/03/10
SP-03	Mobile Plant Procedure	Rev 02, 05/02/10
SP-04	Fork Truck Procedure	Rev 03, 10/03/10
SP-05	Operation of Fixed Plant Procedure	Rev 03, 10/03/10
SP-06	Lock Out / Tag Out Procedure	Rev 03, 10/03/10
SP-07	Health & Safety Notification Procedure	Rev 03, 10/03/10

**Environmental Procedures - EP**

EP-01	Office Waste & Energy Management Procedure	Rev 02, 05/02/10
EP-02	Decommissioning and Aftercare Procedure	Rev 02, 05/02/10
EP-03	EPA Communications Procedure	Rev 02, 05/02/10
EP-04	Waste Permits & Licences Procedure	Rev 01, 01/10/09
EP-05	Waste Acceptance Procedure	Rev 01, 01/10/09
EP-06	Unacceptable Waste Procedure	Rev 02, 10/03/10
EP-07	Waste & Material Storage Procedure	Rev 02, 10/03/10
EP-08	Waste Processing Procedure	Rev 01, 01/10/09
EP-09	Site Infrastructure Procedure	Rev 02, 05/02/10
EP-10	Nuisance Management Procedure	Rev 02, 05/02/10
EP-11	Civic Amenity Site Procedure	Rev 02, 05/02/10



## **APPENDIX 2**

### European Pollutant Release and Transfer Register



Environmental Protection Agency

| PRTR# : W0058 | Facility Name : Deepwater Quay | Filename : W0058\_2010.xls | Return Year : 2010 |

[Guidance to completing the PRTR workbook](#)

# AER Returns Workbook

Version 1.1.11

<b>REFERENCE YEAR</b>	2010
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## 1. FACILITY IDENTIFICATION

Parent Company Name	Greenstar Limited
Facility Name	Deepwater Quay
PRTR Identification Number	W0058
Licence Number	W0058-01

### Waste or IPPC Classes of Activity

No.	class_name
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.13	Storage prior to submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where the waste concerned is produced.
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.
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
Address 1	Sligo
Address 2	
Address 3	
Address 4	
Country	Ireland
Coordinates of Location	-8.48919 54.28
River Basin District	IEWE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
<b>AER Returns Contact Name</b>	Mr Malcolm Dowling
<b>AER Returns Contact Email Address</b>	malcolm.dowling@greenstar.ie
<b>AER Returns Contact Position</b>	Environmental & Site Manager
<b>AER Returns Contact Telephone Number</b>	071 9143037/087 29036637
<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
5(c)	Installations for the disposal of non-hazardous waste
5(c)	Installations for the disposal of non-hazardous waste

50.1	General
<b>3. SOLVENTS REGULATIONS (S.I. No. 543 of 2002)</b>	
Is it applicable?	
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# : W0058 | Facility Name : Deepwater Quay | Filename : W0058\_2010.xls | Return Year : 2010 |

01/04/2011 10:58

**SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS**

POLLUTANT		RELEASERS 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

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

**SECTION B : REMAINING PRTR POLLUTANTS**

POLLUTANT		RELEASERS 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

\* 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		RELEASERS 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

\* 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:

Deepwater Quay

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# : W0058 | Facility Name : Deepwater Quay | Filename : W0058\_2010.xls | Return Year : 2010 |

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**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 t

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# : W0058 | Facility Name : Deepwater Quay | Filename : W0058\_2010.xls | Return Year : 20

01/04/2011 10:59

**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# : W0058 | Facility Name : Deepwater Quay | Filename : W0058\_2010.xls | Return Year : 2010 |

01/04/2011 10:59

SECTION A : PRTR POLLUTANTS

POLLUTANT		RELEASERS TO LAND			Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
No. Annex II	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					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		RELEASERS TO LAND			Please enter all quantities in this section in KGs		
POLLUTANT		METHOD			QUANTITY		
Pollutant No.	Name	M/C/E	Method Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year
					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# : W0058 | Facility Name : Deepwater Quay | Filename : W0058\_2010.xls | Return Year : 2010 |

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Please enter all quantities on this sheet in Tonnes

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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 Haz Waste : Name and Licence/Permit No of Recoverer/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recoverer/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	02 07 04	No	67.78	materials unsuitable for consumption or processing	R3	M	Weighed	Offsite in Ireland	EnviroGrind,ENV/143/WP4	Donegal Road,Pettigo,Donegal ,,Ireland		
Within the Country	02 07 05	No	743.0	sludges from on-site effluent treatment	R3	M	Weighed	Offsite in Ireland	EnviroGrind,ENV/143/WP4	Donegal Road,Pettigo,Donegal ,,Ireland		
To Other Countries	15 01 01	No	54.0	paper and cardboard packaging	R3	M	Weighed	Abroad	International Recycling Ltd.,IRE/G050/08	Heath House,5 Woolgate Court,Norwich,NR2 4AP,United Kingdom		
To Other Countries	15 01 01	No	219.43	paper and cardboard packaging	R3	M	Weighed	Abroad	DKR Deutsche Geschäft,IRE/AG032/11	Cologne,,,,,Germany		
To Other Countries	15 01 01	No	951.39	paper and cardboard packaging	R3	M	Weighed	Abroad	Cellmark USA,IRE/G180/11	200 Tamal Plaza,California,,,95245,United States		
Within the Country	15 01 04	No	42.0	metallic packaging	R4	M	Weighed	Offsite in Ireland	Erin Recyclers,WP SO-03-10	Leitrim,,,,Ireland		
Within the Country	15 01 06	No	487.56	mixed packaging	R5	M	Weighed	Offsite in Ireland	WERS Ltd.,WFP-G-09-0002-01	Weir Road Industrial Estate,Tuam,Co. Galway,,Ireland		
Within the Country	15 01 06	No	157.52	mixed packaging	R13	M	Weighed	Offsite in Ireland	Greenstar Limited,W0053-03	Wicklow,,,,Ireland		
Within the Country	15 01 06	No	482.79	mixed packaging	R5	M	Weighed	Offsite in Ireland	Barna Waste,W0106-02	Carrowbrowne,Headford Road,Co. Galway,,Ireland		
Within the Country	15 01 07	No	92.32	glass packaging	R5	M	Weighed	Offsite in Ireland	Rehab Recycling Ltd.,WPR 004	Avenue,Clondalkin,Dublin 22,,Ireland		
Within the Country	16 01 21	Yes	0.46	hazardous components other than those mentioned in 16 01 07 to 16 01 11 and 16 01 13 and 16 01 14	R4	M	Weighed	Offsite in Ireland	Rilta Environmental,W0192-03	Block 402 Grant's Drive,Greenogue Business Park,Rathcoole,Co. Dublin,Ireland	Rilta Environmental,W0192-03,Block 402 Grant's Drive,Greenogue Business Park,Rathcoole,Co. Dublin,Ireland	Block 402 Grant's Drive,Greenogue Business Park,Rathcoole,Co. Dublin,Ireland
Within the Country	17 01 07	No	378.23	mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	R5	M	Weighed	Offsite in Ireland	Norris Plant Hire,WP SO-05-52	Cloverhill,Co. Sligo,,,,Ireland		
Within the Country	17 04 01	No	4.0	copper, bronze, brass soil and stones other than those mentioned in 17 05 03	R4	M	Weighed	Offsite in Ireland	Erin Recyclers,WP SO-03-10	Leitrim,,,,Ireland		
Within the Country	17 05 04	No	13.25	soil and stones other than those mentioned in 17 05 03	R5	M	Weighed	Offsite in Ireland	Norris Plant Hire,WP SO-05-52	Cloverhill,Co. Sligo,,,,Ireland		
Within the Country	19 12 07	No	14.09	wood other than that mentioned in 19 12 06	R5	M	Weighed	Offsite in Ireland	Arigna Fuels Ltd.,WMP 14/06	Arigna ,Carrick-On-Shannon,Co. Roscommon,,Ireland		
Within the Country	19 12 09	No	302.0	minerals (for example sand, stones) other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R5	M	Weighed	Offsite in Ireland	Greenstar Holdings Limited,W0178-02	Landfill,Ballinasloe,Co. Galway,,Ireland		
Within the Country	19 12 12	No	1623.0	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	R13	M	Weighed	Offsite in Ireland	Greenstar Limited,W0183-01	Millennium Business Park,Grange,Ballycoolin,Dublin 11,Ireland		
Within the Country	19 12 12	No	8296.08	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D5	M	Weighed	Offsite in Ireland	Greenstar Holdings Limited,W0178-02	East Galway Landfill,Ballinasloe,Co. Galway,,Ireland		
Within the Country	19 12 12	No	1331.13	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	D5	M	Weighed	Offsite in Ireland	Greenstar Holdings Limited,W0146-02	Knockharley,Navan,Co. Meath,,Ireland		

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	Haz Waste : Address of Next Destination Facility	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		Haz Waste: Name and Licence/Permit No of Recoverer/Disposer	Non Haz Waste: Address of Recoverer/Disposer		
Within the Country	19 12 12	No	1505.0	11 other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12	D5	M	Weighed	Offsite in Ireland	Roscommon Landfill Facility,W0073-01	Killarney Townland,Roscommon ,Co. Roscommon,,Ireland Rosemount Business Park,Ballycoolin Road,Blanchardstown,Dublin 15,Ireland		
Within the Country	20 01 01	No	428.0	paper and cardboard	R3	M	Weighed	Offsite in Ireland	Bailey Waste Recycling Ltd.,WFP-FG-008-02-01	Donegal Road,Pettigo,Donegal ,,Ireland		
Within the Country	20 01 08	No	68.11	biodegradable kitchen and canteen waste	R3	M	Weighed	Offsite in Ireland	EnviroGrind,ENV/143/WP4	Glen Abby Complex,Belgard Road,Tallaght,Dublin 24,Ireland		
Within the Country	20 01 11	No	18.0	textiles	R5	M	Weighed	Offsite in Ireland	Textile Recycling Ltd.,WPR014			
Within the Country	20 01 35	Yes	266.43	discarded electrical and electronic equipment other than those mentioned in 20 01 21 and 20 01 23 containing hazardous components	R4	M	Weighed	Offsite in Ireland	KMK Metals,W0113-02	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland Arigna ,Carrick-On-Shannon,Co. Roscommon,,Ireland	KMK Metals,W0113-03,Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offaly,Ireland
Within the Country	20 01 38	No	154.0	wood other than that mentioned in 20 01 37	R3	M	Weighed	Offsite in Ireland	Arigna Fuels Ltd.,WMP 14/06	77 Clooney Road,Campsie,Londonderry, BT47 3PA,United Kingdom Kinlough,Co.		
To Other Countries	20 01 39	No	287.55	plastics	R3	M	Weighed	Abroad	Peak Environmental (UK) Ltd.,WDL-14			
Within the Country	20 01 40	No	243.26	metals	R4	M	Weighed	Offsite in Ireland	Erin Recyclers,WP SO-03-10	Leitrim,.,.,Ireland Millennium Business Park,Grange,Ballycoolin,Dubl in 11,Ireland		
Within the Country	20 03 07	No	117.8	bulky waste	R13	M	Weighed	Offsite in Ireland	Greenstar Limited,W0183-01	Greenstar Holdings Limited,W0178-02	Greenstar Holdings Limited,W0146-02	
Within the Country	20 03 07	No	87.97	bulky waste	D5	M	Weighed	Offsite in Ireland	Greenstar Holdings Limited,W0146-02	Greenstar Holdings Limited,W0146-02		
Within the Country	20 03 07	No	57.46	bulky waste	D5	M	Weighed	Offsite in Ireland	Greenstar Holdings Limited,W0146-02	Greenstar Holdings Limited,W0146-02		

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