



ANNUAL ENVIRONMENTAL REPORT
FOR GREENSTAR
COOKSTOWN INDUSTRIAL ESTATE
TALLAGHT, DUBLIN 24
LICENCE NO. W0079-01
JANUARY 2013 – DECEMBER 2013

Prepared For: -

Greenstar,
Unit 6,
Ballyogan Business Park,
Ballyogan Road,
Sandyford,
Dublin 18

Prepared By: -

O' Callaghan Moran & Associates,
Granary House,
Rutland Street,
Cork.

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Project	Annual Environmental Report 2013			
Client	Greenstar W0079-01			
Report No	Date	Status	Prepared By	Reviewed By
0481901	09/05/2014	Draft	Barry Sexton MSc.	Jim O'Callaghan MSc.
0481901	09/05/2014	Final	Barry Sexton MSc.	Jim O'Callaghan MSc.

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APPENDIX 1

European Pollutant Release and Transfer Register

1. INTRODUCTION

This is the 2013 Annual Environmental Report (AER) for the Greenstar, Materials Recovery & Transfer facility (MRF) at Unit 41, Cookstown Industrial Estate, Tallaght, Dublin 24. It covers the period from the 1st January 2013 to the 31st December 2013. The Waste Licence (W0079-01) is held by Greenstar, but the facility was operated by Midland Scrap Metal Limited (MSM) between December 2008 and October 2012. Waste management operations ceased on 30th October 2012 following which, all waste material and processing equipment was removed. A thorough cleaning programme was completed in Q-4 2012. The site has remained vacant and secure through the reporting period. Following agreement with the Agency all environmental monitoring for the site was suspended at the end of Q-1 2013.

During the reporting period, Greenstar was in receivership but ownership of the company and transfer of the licence to Starrus Eco Holdings Ltd (trading as Greenstar) was completed in March 2014.

The content of the AER is based on Schedule B of the Waste Licence (Reg. No. W0079-01) and the report format follows guidelines set in the “Guidance Note for Annual Environmental Report” issued by the Environmental Protection Agency (Agency)¹. Account is also taken of the AER Draft Guidance Document and AER Information Templates issued by the Agency in January 2013².

¹ EPA (Environmental Protection Agency) 1999 Waste Licensing – Draft Guidance on Environmental Management Systems and Reporting to the Agency

² EPA (Environmental Protection Agency) 2012 Draft AER Guidance Document

2. SITE DESCRIPTION

2.1 Waste Management Activities

The Licence authorises the acceptance of up to 145,000 tonnes per annum of materials comprising commercial and industrial waste (30%) and construction and demolition waste (70%).

All waste recovery activities ceased at the facility in October 2012 and there is no current intention to restart any activities.

3. EMISSION MONITORING

Following the cessation of any activity on site in October 2012 and a review of results from the Q-1 2013 environmental monitoring, Greenstar requested that the requirement for environmental monitoring be suspended. The Agency accepted the request in correspondence from February 2013.

Waste water and Dust monitoring was carried out on site in Q-1 2013. All monitoring was suspended for the remainder of the reporting period.

The monitoring locations are shown on Figure 3.1. The results were submitted to the Agency at the end of Q-1 2013. An overview of the monitoring conducted in the reporting period is presented in this Section.

3.1 Wastewater

Waste water monitoring was carried out in Q-1 2013 only.

Wastewater from the facility discharges to the municipal foul sewer at one location – SE-1. The surface water drainage system was significantly upgraded in April 2009 to ensure that all run-off from a former vehicle wash area and the main working yard area is now directed to a silt trap. The contents of the silt trap are pumped to the municipal foul sewer via a Class 2 By-Pass separator before discharging to the municipal foul sewer.

The range of quarterly analysis was as specified in Schedule C of the Waste Licence and includes pH, ammoniacal nitrogen, Biological Oxygen Demand (BOD), Chemical Oxygen Demand (COD), Total Suspended Solids (TSS), Oils, Fats & Greases (OFG), surfactants, sulphate and mineral oil. The results are included on Table 3.1. The wastewater emissions were 100% compliant with the Emission Limit Values (ELVs) set in the Licence.

Table 3.1 Wastewater Monitoring Results 2013

Parameter	Units	SE-1 Q-1 2013	Emission Limit Value
pH	pH Units	9.12	6 to 10
Temperature	°C	5.1	42°C
Ammoniacal Nitrogen	N mg/l	2.75	70
BOD	mg/l	4	2,000
COD	mg/l	18	4,000
Total Suspended Solids	mg/l	43	700
Oils, Fats & Greases	mg/l	<0.01	100
Surfactants	mg/l	1.0	100
Sulphate	mg/l	26.8	1000
Mineral Oil	mg/l	<0.01	N/A

3.2 Dust Monitoring

Dust monitoring was carried out monthly at three monitoring locations on the site boundaries in Q-1 2013. D-1 is on the southern boundary, D-2 is on the northern boundary and D-3 is on the western boundary. The results are included on Table 3.2. The dust deposition limit set in the Licence (350 mg/m²/day) was complied with throughout the reporting period.

Table 3.2 Dust Monitoring Results 2013

Dust Emission (mg/m²/day)	December 2012 – January 2013	January – February 2013	February – March 2013	Emission Limit
Sample Location	32 days	33 days	37 days	(mg/m²/day)
D1	5.9	7.3	13	350
D2	13.7	9.5	28.1	350
D3	14.3	21.3	11.9	350

4. SITE DEVELOPMENT WORKS

4.1 Engineering Works

There were no engineering works carried out on site in 2013. The site remains closed and secured and there is currently no site development work planned for 2014.

5. WASTE RECEIVED AND CONSIGNED FROM THE FACILITY

No waste was received at or consigned from the facility in the reporting period.

All activities on site ceased in October 2012.

6. ENVIRONMENTAL INCIDENTS AND COMPLAINTS

6.1 Incidents

There were no incidents on site during the reporting period.

6.2 Register of Complaints

There were no complaints received during the reporting period.

7. ENVIRONMENTAL DEVELOPMENT

There is currently no planned development for the site.

The site is secure, unoccupied and all waste activities ceased on the 30th October 2012.

7.1 ELRA & Report on Financial Provision

A Decommissioning Management Plan (DMP) and Environmental Liabilities Risk Assessment (ELRA) including Financial Provision (FP) were submitted to the Agency in 2013 as part of the transfer of the licence which occurred in Q1 2014. Both the DMP and ELRA have been approved by the Agency.

8. OTHER REPORTS

8.1 European Pollutant Release and Transfer Register

Under the European Pollutant Release and Transfer Register Regulation (EC) No. 166/2006 Greenstar is 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 1.

APPENDIX 1

European Pollutant Release and Transfer Register



Environmental Protection Agency

| PRTR# : W0079 | Facility Name : | Filename : W0079_2013.xls | Return Year : 2013 |

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

REFERENCE YEAR	2013
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1. FACILITY IDENTIFICATION

Parent Company Name	Starrus Eco Holdings Limited
Facility Name	
PRTR Identification Number	W0079
Licence Number	W0079-01

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, or temporary storage, pending collection, on the premises where such waste is produced.
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.
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
Address 1	Unit 41
Address 2	Cookstown Industrial Estate
Address 3	Tallaght
Address 4	Dublin 24
	Dublin
Country	Ireland
Coordinates of Location	-6.37582 53.294
River Basin District	IEEA
NACE Code	3832
Main Economic Activity	Recovery of sorted materials
AER Returns Contact Name	Malcolm Dowling
AER Returns Contact Email Address	malcolm.dowling@greenstar.ie
AER Returns Contact Position	Group Compliance Manager
AER Returns Contact Telephone Number	012947976
AER Returns Contact Mobile Phone Number	
AER Returns Contact Fax Number	
Production Volume	
Production Volume Units	
Number of Installations	
Number of Operating Hours in Year	
Number of Employees	
User Feedback/Comments	The site has been unoccupied since October 2012. No waste activities were carried out on site in the reporting period. Monitoring was suspended in Q-1 2012. Differences in the recorded waste water parameter levels due to cessation of site activity between 2012 and 2013.
Web Address	Differences in the recorded waste water parameter levels due to cessation of site activity between 2012 and 2013

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
50.1	General
5(c)	Installations for the disposal of non-hazardous waste
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. WASTE IMPORTED/ACCEPTED ONTO SITE

[Guidance on waste imported/accepted onto site](#)

Do you import/accept waste onto your site for on-site treatment (either recovery or disposal activities)?	
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This question is only applicable if you are an IPPC or Quarry site

4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR# : W0079 | Facility Name : | Filename : W0079_2013.xls | Return Year : 2013 |

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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:

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# : W0079 | Facility Name : | Filename : W0079_2013.xls | Return Year : 2013 |

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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 this only con

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# : W0079 | Facility Name : | Filename : W0079_2013.xls | Return Year : 2013 |

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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 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 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 Code	Designation or Description	Emission Point 1	T (Total) KG/Year	A (Accidental) KG/Year	F (Fugitive) KG/Year	
238	Ammonia (as N)	M	PER	Based on an estimate of water used in the wheel wash. Analysis is ISO accredited		5.7	5.7	0.0	0.0
303	BOD	M	PER	Based on an estimate of water used in the wheel wash. Analysis is ISO accredited		8.3	8.3	0.0	0.0
306	COD	M	PER	Based on an estimate of water used in the wheel wash. Analysis is ISO accredited		37.37	37.37	0.0	0.0
240	Suspended Solids	M	PER	Based on an estimate of water used in the wheel wash. Analysis is ISO accredited		89.28	89.28	0.0	0.0
314	Fats, Oils and Greases	M	PER	Based on an estimate of water used in the wheel wash. Analysis is ISO accredited		0.0	0.0	0.0	0.0
308	Detergents (as MBAS)	M	PER	Based on an estimate of water used in the wheel wash. Analysis is ISO accredited		2.07	2.07	0.0	0.0
343	Sulphate	M	PER	Based on an estimate of water used in the wheel wash. Analysis is ISO accredited		55.6	55.6	0.0	0.0
324	Mineral oils	M	PER	Based on an estimate of water used in the wheel wash. Analysis is ISO accredited		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# : W0079 | Facility Name : | Filename : W0079_2013.xls | Return Year : 2013 |

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SECTION A : PRTR POLLUTANTS

POLLUTANT		RELEASES 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		RELEASES 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#: W0079 | Facility Name : | Filename : W0079_2013.xls | Return Year : 2013 |

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Please enter all quantities on this sheet in Tonnes

0

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					

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

[Link to previous years waste data](#)