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**ANNUAL ENVIRONMENTAL REPORT**  
**FOR GREENSTAR**  
**COOKSTOWN INDUSTRIAL ESTATE**  
**TALLAGHT, DUBLIN 24**  
**LICENCE NO. W0079-01**  
**JANUARY 2015 – DECEMBER 2015**

**Prepared For: -**

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**12<sup>th</sup> May 2016**

Project	Annual Environmental Report 2015			
Client	Greenstar W0079-01			
Report No	Date	Status	Prepared By	Reviewed By
0480201	04/05/2016	Draft	Martina Gleeson PhD	Jim O'Callaghan MSc.
0480201	12/05/2016	Final	Martina Gleeson PhD	Jim O'Callaghan MSc.

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## APPENDIX 1

## European Pollutant Release and Transfer Register

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# 1. INTRODUCTION

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This is the 2015 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 1<sup>st</sup> January 2015 to the 31<sup>st</sup> December 2015.

The facility was operated by Midland Scrap Metal Limited (MSM) between December 2008 and October 2012. Waste management operations ceased on 30<sup>th</sup> October 2012 following which, all waste material and processing equipment was removed. Following agreement with the Agency all environmental monitoring for the site was suspended at the end of Q1 2013. In October 2015, Greenstar informed the Agency of their intention to begin accepting non putrescible skip waste at the facility for a limited time period. Waste acceptance operations were carried out on the 27<sup>th</sup> and 28<sup>th</sup> October 2015.

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)<sup>1</sup>. Account is also taken of the AER Draft Guidance Document and AER Information Templates issued by the Agency in January 2013<sup>2</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 EPA (Environmental Protection Agency) 1999 Waste Licensing – Draft Guidance on Environmental Management Systems and Reporting to the Agency

<sup>2</sup> EPA (Environmental Protection Agency) 2012 Draft AER Guidance Document

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## **2. SITE DESCRIPTION**

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### **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 re-opened for a two day period on the 27<sup>th</sup> and 28<sup>th</sup> October 2015. There is no current intention to restart any activities. During the operating period, the facility accepted non putrescible skip waste. This waste included mixed municipal waste, cardboard and plastic as detailed on Table 5.1.

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### **3. EMISSION MONITORING**

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Greenstar requested that the requirement for environmental monitoring be suspended in Q1 2013. The Agency accepted this request in correspondence from February 2013.

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## **4. SITE DEVELOPMENT WORKS**

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### **4.1 Engineering Works**

In October 2015, the weighbridge was re-connected to allow the limited acceptance of waste. There is currently no site development work planned for 2016.

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## 5. WASTE RECEIVED AND CONSIGNED FROM THE FACILITY

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Table 5.1 shows the quantities of wastes accepted and consigned for the reporting period. A more detailed description of the wastes received and consigned in 2015 is presented in the PRTR submission in Appendix 1.

The total quantity of waste received was 64 tonnes and the total amount consigned was 64 tonnes. No waste remained onsite at the end of the reporting period pending consignment off site. The waste received and consigned in 2015 is presented in Tables 5.1. All the wastes were sent to authorised recovery and disposal facilities, the details of which were retained by Greenstar for Agency inspection.

**Table 5.1** Waste Received & Consigned 2015

<b>EWC</b>	<b>Description</b>	<b>Waste In</b>	<b>Waste Out</b>
15 01 01	Paper and cardboard packaging	8.90	8.90
15 01 06	Mixed packaging	18.10	18.10
20 03 01	MSW	36.90	36.90
	<b>Total Received</b>	63.90	
	<b>Total Consigned</b>		63.90
	<b>Recovered</b>		63.90
	<b>Disposed</b>		0.00
	<b>Recovery Rate (%)</b>		100%



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

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### **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.

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## **7. ENVIRONMENTAL DEVELOPMENT**

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There is currently no planned development for the site.

The site is secure, unoccupied and all waste activities ceased on the 28<sup>th</sup> October 2015.

### **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. Both the DMP and ELRA have been approved by the Agency.

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## **8. OTHER REPORTS**

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### **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 : Starrus Eco Holdings Limited (Cookstown, Tallaght) |  
 Filename : W0079\_2015.xls | Return Year : 2015 |

[Guidance to completing the PRTR workbook](#)

# PRTR Returns Workbook

Version 1.1.19

<b>REFERENCE YEAR</b>	2015
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**1. FACILITY IDENTIFICATION**

Parent Company Name	Starrus Eco Holdings Limited
Facility Name	Starrus Eco Holdings Limited (Cookstown, Tallaght)
PRTR Identification Number	W0079
Licence Number	W0079-01

Classes of Activity

No.	class name
-	Refer to PRTR class activities below

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
<b>AER Returns Contact Name</b>	Malcolm Dowling
<b>AER Returns Contact Email Address</b>	malcolm.dowling@greenstar.ie
<b>AER Returns Contact Position</b>	Environmental Executive
<b>AER Returns Contact Telephone Number</b>	01-2947949
<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>	1
<b>User Feedback/Comments</b>	
<b>Web Address</b>	

**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?	
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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4.1 RELEASES TO AIR

[Link to previous years emissions data](#)

| PRTR# : W0079 | Facility Name : Starrus Eco Holdings Limited (Cookstown, Tallaght) | Filename : W0079\_2015.xls | Return Year : 2015 |

12/05/2016 12:52

**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:

Starrus Eco Holdings Limited (Cookstown, Tallaght)

Please enter summary data on the quantities of methane flared and / or utilised

Total estimated methane generation (as per site model)  
Methane flared  
Methane utilised in engine/s  
Net methane emission (as reported in Section A above)

T (Total) kg/Year	M/C/E	Method Used		Facility Total Capacity m3 per hour
		Method Code	Designation or Description	
0.0				N/A
0.0				0.0 (Total Flaring Capacity)
0.0				0.0 (Total Utilising Capacity)
0.0				N/A

4.2 RELEASES TO WATERS

[Link to previous years emissions data](#)

| PRTR# : W0079 | Facility Name : Starrus Eco Holdings Limited (Cookstown, Tallaght) | Filename : W0079\_2015.xls | Return Year : 2015 |

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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# : W0079 | Facility Name : Starrus Eco Holdings Limited (Cookstown, Tallaght) | Filename :

12/05/2016 12:53

**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# : W0079 | Facility Name : Starrus Eco Holdings Limited (Cookstown, Tallaght) | Filename : W0079\_2015.xls | Return Year : 2015 |

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**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# : W0079 | Facility Name : Starrus Eco Holdings Limited (Cookstown, Tallaght) | Filename : W0079\_2015.xls | Return Year : 2015 |

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**Please enter all quantities on this sheet in Tonnes**

3

Transfer Destination	European Waste Code	Hazardous	Quantity (Tonnes per Year)	Description of Waste	Waste Treatment Operation	Method Used		Location of Treatment	Haz Waste : Name and Licence/Permit No of Next Destination Facility Non-Haz Waste: Name and Licence/Permit No of Recover/Disposer	Haz Waste : Address of Next Destination Facility Non Haz Waste: Address of Recover/Disposer	Name and License / Permit No. and Address of Final Recoverer / Disposer (HAZARDOUS WASTE ONLY)	Actual Address of Final Destination i.e. Final Recovery / Disposal Site (HAZARDOUS WASTE ONLY)
						M/C/E	Method Used					
Within the Country	15 01 01	No	8.9	paper and cardboard packaging	R13	M	Weighed	Offsite in Ireland	Greenstar Ltd,W0188-01	Greenogue Business Park,Rathcoole,Co. Dublin,,Ireland	Greenogue Business Park,Rathcoole,Co. Dublin,,Ireland	
Within the Country	15 01 06	No	18.1	mixed packaging	R13	M	Weighed	Offsite in Ireland	Greenstar Ltd,W0188-01	Greenogue Business Park,Rathcoole,Co. Dublin,,Ireland	Greenogue Business Park,Rathcoole,Co. Dublin,,Ireland	
Within the Country	20 03 01	No	36.9	mixed municipal waste	R13	M	Weighed	Offsite in Ireland	Greenstar Ltd,W0188-01	Greenogue Business Park,Rathcoole,Co. Dublin,,Ireland	Greenogue Business Park,Rathcoole,Co. Dublin,,Ireland	

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