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**ANNUAL ENVIRONMENTAL REPORT**  
**STARRUS ECO HOLDINGS LTD**  
**COOKSTOWN INDUSTRIAL ESTATE**  
**TALLAGHT, DUBLIN 24**  
**LICENCE NO. W0079-01**  
**JANUARY 2014 – DECEMBER 2014**

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**22<sup>nd</sup> May 2015**

| Project   | Annual Environmental Report 2014                 |        |                      |                         |
|-----------|--|--------|----------------------|-------------------------|
| Client    | Starrus Eco Holdings Ltd (Greenstar)<br>W0079-01 |        |                      |                         |
| Report No | Date   | Status | Prepared By          | Reviewed By             |
| 0480101   | 22/05/2015                                       | Draft  | Barry Sexton<br>MSc. | Jim O'Callaghan<br>MSc. |
| 0480101   | 22/05/2015                                       | Final  | Barry Sexton<br>MSc. | Jim O'Callaghan<br>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 2014 Annual Environmental Report (AER) for the Starrus Eco Holdings Ltd (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 2014 to the 31<sup>st</sup> December 2014. Waste management operations ceased on 30<sup>th</sup> 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.

Transfer of the licence from Greenstar Limited to Starrus Eco Holdings Ltd was completed in March 2014.

The content is based on Schedule G of the Waste Licence (Reg. No. W0053-03) 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 Account is also taken of the AER Draft Guidance Document and AER Information Templates issued by the Agency in January 2013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. A decision on future waste management activity at the facility will be taken in 2015 and the Agency will be kept fully informed.

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### **3. EMISSION MONITORING**

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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 in February 2013.

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## **4. SITE DEVELOPMENT WORKS**

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### **4.1 Engineering Works**

There were no engineering works carried out on site in 2014. The site remains closed and secured and there is currently no site development work planned for 2015. The Agency shall be informed should this situation change.

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

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

All activities on site ceased in October 2012.



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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 30<sup>th</sup> 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.

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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\_2014.xls | Return Year : 2014 |

[Guidance to completing the PRTR workbook](#)

# AER Returns Workbook

Version 1.1.18

|                       |      |
|-----------------------|------|
| <b>REFERENCE YEAR</b> | 2014 |
|-----------------------|------|

## 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>            | Group Compliance Manager   |
| <b>AER Returns Contact Telephone Number</b>    | 012947976  |
| <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>                  | The facility did not accept waste in 2014. As such there is no waste on or off site to report in this PRTR. There was no environmental monitoring conducted and as such no releases to waste wtaer emissions data. |
| <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) ? |  |
|--|--|

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 : Starrus Eco Holdings Limited (Cookstown, Tallaght) | Filename : W0079\_2014.xls | Return Year : 2014 |

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SECTION A : SECTOR SPECIFIC PRTR POLLUTANTS

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

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

SECTION B : REMAINING PRTR POLLUTANTS

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

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

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

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

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

Additional Data Requested from Landfill operators

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

|   |  |       |             |  |                                     |
|---|--|-------|-------------|--|-------------------------------------|
| Landfill:   | Starrus Eco Holdings Limited (Cookstown, Tallaght)     |       |             |  |                                     |
| 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 |
|   | 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 : Starrus Eco Holdings Limited (Cookstown, Tallaght) | Filename : W0079\_2014.xls | Return Year : 2014 |

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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 : Starrus Eco Holdings Limited (Cookstown, Tallaght) | Filename :

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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 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\_2014.xls | Return Year : 2014 |

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SECTION A : PRTR POLLUTANTS

| POLLUTANT    |      | RELEASES TO LAND |             |                            | METHOD           |                   |                        | Please enter all quantities in this section in KGs |  |  |
|--------------|------|------------------|-------------|----------------------------|------------------|-------------------|------------------------|--|--|--|
| No. Annex II | Name | M/C/E            | Method Used |                            | Emission Point 1 | T (Total) KG/Year | QUANTITY               |  |  |  |
|              |      |                  | Method Code | Designation or Description |                  |                   | 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 |             |                            | METHOD           |                   |                        | Please enter all quantities in this section in KGs |  |  |
|---------------|------|------------------|-------------|----------------------------|------------------|-------------------|------------------------|--|--|--|
| Pollutant No. | Name | M/C/E            | Method Used |                            | Emission Point 1 | T (Total) KG/Year | QUANTITY               |  |  |  |
|               |      |                  | Method Code | Designation or Description |                  |                   | 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\_2014.xls | Return Year : 2014 |

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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<br>Non-Haz Waste: Name and Licence/Permit No of Recover/Disposer | Haz Waste : Address of Next Destination Facility<br>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](#)

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

[Link to Waste Guidance](#)