



ANNUAL ENVIRONMENTAL REPORT
FOR GREENSTAR LTD
COOKSTOWN INDUSTRIAL ESTATE
TALLAGHT, DUBLIN 24
LICENCE NO. W0079-01
JANUARY 2012 – DECEMBER 2012

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28th March 2013

Project	Annual Environmental Report 2012			
Client	Greenstar Ltd. W0079-01			
Report No	Date	Status	Prepared By	Reviewed By
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1. INTRODUCTION

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

The content 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 Account is also taken of the AER Draft Guidance Document and AER Information Templates issued by the Agency in January 2013².

¹ EPA (Environmental Protection Agency) 1999 Waste Licensing – Draft Guidance on Environmental Management Systems and Reporting to the Agency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%). The main activity was the recovery and processing of ferrous and non ferrous metals sourced from construction and demolition sites, specialist industries that handle metal and existing waste recovery facilities. Metals recovery activities ceased at the facility during 2012 and there is no intention to restart these activities.

Ferrous Metals

All incoming waste was weighed at the weighbridge and then stockpiled prior to processing. Prior to tipping, loads were subject to waste acceptance and inspection procedures. All contaminants were removed and stored in a dedicated quarantine storage area prior to removal to a suitable licensed facility. The metal was graded according to size before processing. The main process involved hydraulic shearing to reduce the size. The sheared material was baled and stored on-site pending consignment to a processor.

Non-ferrous Metals

All incoming waste was weighed at the weighbridge and then stockpiled prior to processing. Prior to tipping, loads were subject to waste acceptance and inspection procedures. The majority of incoming material was already pre-sorted and these materials were baled. The mixed metals were sorted on site, with the oversized materials cut, and then baled and stored in secure containers, prior to transfer.

End of Waste Regulations Accreditation

On the 3rd September 2012 MSM Recycling received accreditation for recycling of metals in accordance with EU directive 333/2011 End of Waste regulations. The TFS office, acknowledged receipt of the verification that MSM had implemented a quality management system that complies with the end of waste criteria in accordance with the requirements of Regulation 333/2011.

Plant & Equipment

The plant and equipment used at the facility up to 30th October 2012 are set out in Table 2.1. All plant and equipment was subsequently removed from the site.

Table 2.1 Plant & Equipment

Plant Item	Quantity
Mobile Shears Baler	1
Non Ferrous Baler	1
Atlas 1804 – Scrap Handling Machine	1
Solmec Scrap Handling machine	1
Hand Held Cutters	4
Fork Lift	2
Cable Stripper	1
JCB teleporter with bucket attachment	1
Skid steer loader with bucket attachment	1
Container Tilter	1

3. EMISSION MONITORING

During 2012 Greenstar implemented a comprehensive environmental monitoring programme to assess the significance of emissions from site activities. The programme included wastewater, noise and dust monitoring. The monitoring locations are shown on Figure 3.1. The results were submitted to the Agency at quarterly intervals. An overview of the monitoring conducted in the reporting period is presented in this Section.

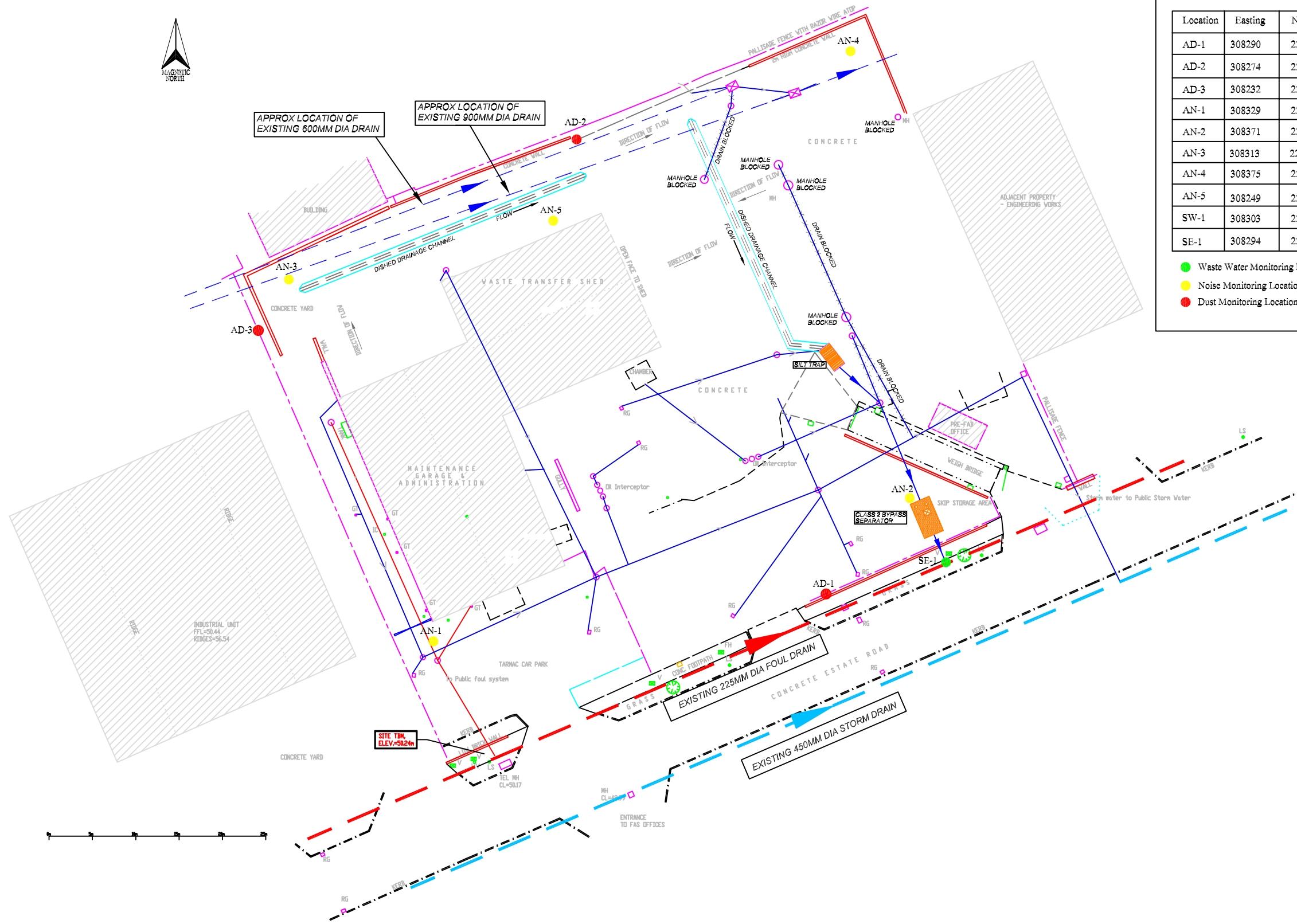
3.1 Wastewater

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 2012

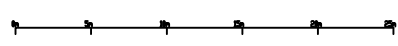
Parameter	Units	Q1	Q2	Q3	Q4	ELV
pH	pH Units	8.37	7.96	7.86	8.05	6 to 10
Temperature	°C	10.2	10.8	10.2	7.9	42
Ammoniacal Nitrogen	N mg/l	19.81	15.99	11.24	11.74	70
BOD	mg/l	1,060	174	125	277	2,000
COD	mg/l	3,655	210	335	660	4,000
Total Suspended Solids	mg/l	273	154	19	34	700
Oils, Fats & Greases	mg/l	53.37	86.16	<0.01	4.50	100
Surfactants	mg/l	<0.2	20	5	2.0	100
Sulphate	mg/l	441.81	199.2	285.14	<0.05	1,000
Mineral Oil	mg/l	53.37	36.690	<0.01	16.18	N/A



NOTES

Location	Easting	Northing
AD-1	308290	228276
AD-2	308274	228330
AD-3	308232	228312
AN-1	308329	228235
AN-2	308371	228265
AN-3	308313	228291
AN-4	308375	228317
AN-5	308249	228183
SW-1	308303	228288
SE-1	308294	228288

● Waste Water Monitoring Location
● Noise Monitoring Location
● Dust Monitoring Location



REV	DATE	DESCRIPTION	DRN	CHKD	APP
O' Callaghan Moran & Associates. Granary House, Rutland Street, Cork, Ireland. Tel. (021) 4321521 Fax. (021) 4321522 email : info@ocallagh Moran.com					
This drawing is the property of O'Callaghan Moran & Associates and shall not be used, reproduced or disclosed to anyone without the prior written permission of O'Callaghan Moran & Associates and shall be returned upon request.					
CLIENT					
Greenstar Ltd.					
TITLE					
Monitoring Locations					
SCALE	FIGURE No.				REV.
NTS A3	3.1				

3.2 Dust Monitoring

Dust monitoring is carried out monthly at three monitoring locations on the site boundaries. 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 exceeded on two occasions at monitoring location D-2. In both instances the incident was reported to the Agency in accordance with Condition 3.3 of the licence.

The dust exceedance at D-2 in the period January – February 2012 was not attributable to any specific on site incident. The dust exceedance at D-2 was in the period June-July 2012. This coincided with the yard being cleaned. The dust was related to the yard cleaning process.

Dust control measures were revised in 2010 with the installation of a high pressure pump and hose system. Measures included the dampening down of all paved areas and suppression of dust associated with the metal stockpile. This was carried out a number of times per day depending on conditions and use of the system was recorded. A road sweeper was also deployed on occasion.

Results measured at the three monitoring points during 2012 were much improved due to the measures outlined above. There was also a significant decrease in dust levels recorded in Q-4 following the cessation of waste management activities on site.

Table 3.2 Dust Monitoring Results 2012

	Units	Dec- Jan '12	Jan - Feb '12	Feb - Mar '12	Mar - Apr '12	Apr - May '12	May - Jun '12	Deposition Limit Value
D1	mg/m ² /day	57.6	36.03	22.61	131.7	24.9	16	350
D2	mg/m ² /day	265.6	413	49.74	64.83	24.6	14.9	350
D3	mg/m ² /day	67.1	29.94	23.61	114	15.5	*	350

* Dust jar contaminated and not analysed

	Units	June - July '12	July - Aug '12	Sept - Oct '12	Oct - Nov '12	Nov - Dec '12	Dec - Jan '12	Deposition Limit Value
D1	mg/m ² /day	16.8	147.4	242.5	8.4	2.8	5.9	350
D2	mg/m ² /day	63.6	599.4	50.3	**	10.3	13.7	350
D3	mg/m ² /day	42.9	111.2	190	5.6	8.4	14.3	350

** Dust jar broken during decommissioning works

3.3 Noise Survey

A noise monitoring survey was carried out in May 2012. The scheduled second noise survey was not conducted (following agreement with the Agency) due to the cessation of waste management activities on site. The nearest sensitive receptor is Tallaght Hospital which is west/southwest of the facility. Monitoring station (NSL1) is located at the northeast gate to the hospital complex, 200 m from the facility. Results of noise monitoring during 2012 are summarised in Table 3.3. The noise monitoring event found that emissions from facility did not adversely impact on the nearest NSL.

In May 2012, the $L_{Aeq\ 30\ min}$ level recorded at NSL1 (Tallaght Hospital) was 56 dB. The noise environment at this station was influenced by a multitude of sources, including local and distant traffic and emissions from surrounding commercial premises and was not impacted by the Greenstar facility.

Table 3.3 Noise Monitoring Results May 2012

Station	Time	$L_{Aeq\ 30\ min}$ dB	$L_{AF10\ 30\ min}$ dB	$L_{AF90\ 30\ min}$ dB	Specific level* dB	Noise audible
N1	0934-1004	59	62	49	59	Emissions audible from various site operations, particularly from grab operating at NW corner, audible between buildings. No offsite noise audible apart from intermittent industrial estate roadway traffic. Site quietening from 0955, following which noise becoming audible from traffic and commercial activities across industrial estate, Vehicle audible at low level idling in car park from 0959.
N2	0927-0957	62	62	49	62	Site operations continuously audible and dominant, arising from various onsite plant and activities. No offsite emissions audible apart from intermittent passing traffic on industrial estate roadway, including vehicles accessing FAS centre.
N3	0819-0849	70	74	57	64	Specific level includes -6 dB correction due to corner position. Operations in main yard continuously audible, particularly NE grab. Local arrival of one grab at 0831 resulted in increase in local noise levels. No offsite emissions audible.
N4	0855-0925	81	87	58	75	Specific level includes -6 dB correction due to corner position. Adjacent baler shears operating intermittently, while undergoing repair work. Dominant when on. When off, emissions audible from activities across yard. No offsite emissions audible.
N5	0827-0857	78	81	67	75	Specific level includes -3 dB correction due to wall proximity. Emissions from operations in yard continuously dominant, chiefly grab manipulating metal, but also other various sources, including truck manoeuvring adjacent to sound level meter. No offsite noise audible.
NSL1	1044-1114	56	61	46	<46	No emissions audible from facility. Local traffic movements on industrial estate roadway and through adjacent hospital roadways dominant. Distant traffic and general commercial noise audible continuously in background. Bird song/calls and aircraft. Repeated car alarm within 50 m intrusive 1101-1106.

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

4. SITE DEVELOPMENT WORKS

4.1 Engineering Works

There were no engineering works carried out on site in 2012. The site remains closed and secured and there is currently no site development work planned for 2013.

4.2 Summary of Resource & Energy Consumption

Table 4.1 presents an estimate of the resources used on-site during the reporting period and in 2011.

Table 4.1 Estimates of Resources Used On-Site

Resources	Quantities 2011	Quantities 2012
Diesel	274,930 Litres	160,000 litres
Oil	2,300 Litres	4,900 litres
Electricity	79,921 Kwh	34,770 Kwh
Kerosene	1,600 Litres	1,800 Litres
Propane	564kgs (12*47kgs)	470kgs (10*47kgs)

4.3 Bund Integrity Test

New bunding and an upgraded drainage system were provided in 2009 and are fit for purpose. The oil interceptors and settlement tank are regularly maintained. Waste water sludge is removed and sent for off-site treatment at an appropriate treatment facility. ENVA removed 16 tonnes of waste water from the on site settlement tank and interceptor in 2012.

5. WASTE RECEIVED AND CONSIGNED FROM THE FACILITY

Table 5.1 shows the total quantities of waste received and consigned from the facility in 2012 with data for 2011 and previous years presented in Tables 5.2 and 5.3. A breakdown of the waste types is provided in accordance with the European Waste Catalogue and Hazardous Waste list.

The total quantity of waste received at the facility was 18,971.10 tonnes. The total waste consigned was 19,406.56 tonnes. The difference is due to the amount of materials retained on site on the 31st December 2011. The recycling rate for the facility is estimated at 99.64%.

On the 3rd September 2012 MSM Recycling received accreditation for recycling of metals in accordance with EU directive 333/2011 End of Waste regulations.

Table 5.1 Waste Received & Consigned 2012

EWC	Description	Waste In	Waste Out
12 01 01	Swarf	1,144	-
13 05 07	Water from on site interceptor	-	16
15 01 04	Packaging (Fe)	531	469
	Packaging (Non Fe)	14	
15 01 07	Glass Bottles	1	-
16 01 03	Tyres	-	15
16 01 06	Ferrous Metal from Vehicles	656	467
16 01 20	Flat Glass – ELV	167	-
16 02 14	Discarded WEEE – phones & electric motors	91	137
16 06 01*	Batteries	198	214
17 02 02	Flat Glass – C&D	766	-
17 04 01	Copper & Brass – C&D	97	-
17 04 02	Aluminium – C&D	499	-
17 04 03	Lead	41	-
17 04 05	Ferrous Scrap – C&D	8,561	-
17 04 06	Tin	-	-
17 04 07	Mixed Metals	18	-
17 04 11	Aluminium Cable	222	214
	Copper Cable		
19 12 01	Iron & Steel – Waste Facilities	-	-
19 12 02	Ferrous Scrap – Waste Facilities	1,878	2,110
19 12 03	Non Ferrous Scrap – Waste Facilities	-	1,109
19 12 05	Glass – Waste Facilities	406	1,339
19 12 07	Wood	-	13
20 01 40	½ Steel	3,682	-
20 01 03	Non metallic waste from site	-	38.42
19 10 01	Iron & Steel	-	13,321
	Total Received	18,971.10	
	Total Consigned		19,406.56
	Total Recovered		19,337.14
	Total Disposed		69.42
	Recovery Rate		99.64%

Table 5.2 Waste Received & Consigned 2011

EWC	Description	Waste In	Waste Out
12 01 01	Swarf	1,382	1359.6
15 01 04	Packaging (Fe) Metal Packaging	233	
	Packaging (Fe) Steel Cans	91	
	Packaging (Non Fe)	86	
15 01 07	Glass Bottles	85	
16 01 03	Tyres	0	30.28
16 01 06	Ferrous Metal from Vehicles	364	37.34
16 01 20	Flat Glass – ELV	1,063	
16 02 14	Discarded WEEE – depolluted	186	203.38
16 06 01*	Batteries	95	273
17 02 02	Flat Glass – C&D	1360	
17 04 01	Copper & Brass – C&D	248	
17 04 02	Aluminium – C&D	622	16.66
17 04 03	Lead	86	
17 04 05	Ferrous Scrap – C&D	12,985	76.98
17 04 06	Tin	0	
17 04 07	Mixed Metals	44	
17 04 11	Aluminium Cable	9	
	Copper Cable	266	282.28
19 12 01	Iron & Steel – Waste Facilities	0	
19 12 02	Ferrous Scrap – Waste Facilities	4,117	1,941
19 12 03	Non Ferrous Scrap – Waste Facilities	0	1,362
19 12 05	Glass – Waste Facilities	0	2,423
19 12 07	Wood	0	15
19 12 12	Non metallic waste from site	0	6.96
20 01 40	½ Steel	6.614	
19 10 01			21,761
	Total Received	28,576.18	
	Total Consigned		29,788.48
	Total Recovered		29,688.82
	Total Disposed		99.66
	Recovery Rate		99.67%

Table 5.3 Waste Received and Consigned since 2008

	2012	2011	2010	2009	2008
Total Received	18,971.10	28,850.02	26,304.37	23631.77	1026.86
Total Consigned	19,406.56	30,030.38	25,946.00	22840.58	848.94
Recovery Rate	99.64%	99.67%	99.61%	98.81%	100%

6. ENVIRONMENTAL INCIDENTS AND COMPLAINTS

6.1 Incidents

There were two exceedances of the dust deposition limit in 2012, both of which were reported to the Agency. There were no other incidents in the reporting period.

The dust exceedance in the period January to February was not linked to a specific incident. The incident in the period June-July was believed to be linked to the yard area being cleaned and dust generated by the cleaning.

6.2 Register of Complaints

MSM maintained a register of complaints received in accordance with Condition 3.11 of the waste licence. Ten (10) complaints were received during the reporting period. This is a significant reduction on the forty received in 2011. Four complaints related to dust, two to noise and vibration, two for metallic odour, one for the height of the stockpile and one for a low hosing level. The full register is available to view at the facility office.

Facility management investigated all complaints and responded to all complaints during the year. Details of each response are also included in the complaints register in Appendix 1.

7. ENVIRONMENTAL DEVELOPMENT

7.1 Environmental Management Programme Report

MSM introduced an Environmental Management System (EMS) for the facility. The management programme was encompassed in the Environmental Management System (EMS) for the facility and contained a schedule for achieving objectives and targets and designates responsibility and timeframes for achieving those targets. The schedule of Objectives and Targets, including their status for 2012 (Table 7.1), as well as the proposed Objectives and Targets for 2013 (Table 7.2) are presented below. The facility was certified to ISO 9001 and ISO 14001 and retained comprehensive procedures as part of the accreditation process.

7.1.1 Site Management Structure

Name	Experience
Con Ward (Managing Director)	42 years in Waste Management
Anthony Ward (Recycling Manager/Director)	42 years in Waste Management
Jason Ward (Yard Manager)	8 Years in Waste Management
Eamon Mitchell (Yard Manager)	17 Years in Waste Management. FAS Waste Management Course completed
Siobhán Carroll (Environmental Manager)	4 Years in Waste Management. BAI Civil and Environmental Engineering

7.1.2 Staff Training

Manual Handling Training was completed by 5 employees on the 29th September 2012. Bobcat Training was completed by 7 employees on 29th September 2012. Safepass Training was completed by 3 employees completed on the 28th July and the 10th August 2012. The training records were kept on site.

7.2 Environmental Management Programme Proposal

The schedule of Objectives and Targets, including their status for 2012 (Table 7.1), as well as the proposed Objectives and Targets for 2013 (Table 7.2) are presented below.

7.2.1 Schedule of Objectives and Targets 2012

The 2012 Schedule included four objectives, which are summarised in Table 7.1. An evaluation of what had been achieved to date is presented below.

Objective 1 – Environmental Compliance

Internal environmental training was carried out by the environmental manager on 14th August 2012 on a number of Environmental Operating procedures, such as EOP003-Waste Acceptance procedures, EOP007-Emergency Response Procedures

Objective 2 – ISO Compliance

Manuals and procedures were integrated into one combined system for Environmental, Health & Safety and Quality systems.

Objective 3 – Health & Safety Compliance

Health & Safety statement was reviewed on the 22nd August 2012.

Objective 4 – Health & Safety Compliance

Documentation was being drawn up to incorporate current practice safe systems of work into combined quality system.

7.3 Communications Programme

The following documents were available for public viewing at the facility and will be retained should waste activities recommence:-

- Environmental and Health & Safety Policy,
- Waste Licence,
- Licence Application and Review documentation,

- Monitoring Records,
- Complaints File,
- EPA Correspondence File.

7.4 Report Financial Provision

Greenstar Limited (*In Receivership*) has adequate insurance cover for environmental liabilities to €10,000,000 for any one occurrence, which will apply to “sudden identifiable and unintended incidents”.

The facility has effectively been decommissioned and the cost has been absorbed by Greenstar.

Table 7.1 Schedule of Objective and Targets 2012

Schedule of Objectives for 2012

No	Objective	Description	Responsibility	Status
1	Environmental Compliance	Improve employee awareness of environmental issues	Environmental Manager	May 2012
2	ISO Compliance	Integrate Quality, Environmental and Health and Safety manuals	Environmental Manager	December 2012
3	H&S	Review of Safety Statement	Environmental Manager	September 2012
4	H&S	Implement safe systems of work to complete qualification for ISO H&S Standard 18001	Environmental Manager	December 2012

Table 7.2 Schedule of Objective and Targets

Schedule of Objectives for 2013

No	Objective	Description	Responsibility	Target Completion Date
1	Site Inspections	Schedule Greenstar staff to complete site inspections to confirm that the site remains secure.	Greenstar Group Compliance Manager	2013

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 2.

APPENDIX 1

Complaints Register

Midland Scrap Metal Company Ltd

ENVIRONMENTAL COMPLAINT REGISTER

2012

	DATE	Complainant	Nature of Complaint	Response
1	27 April 2012	Pat O'Donoghue Ricesteele by email	12:33 Dust	SC investigated and replied by email.
2	04 May 2012	Pat O'Donoghue Ricesteele by email	16:22 Noise	SC investigated and couldn't find a source of the noise.
3	18 May 2012	Pat O'Donoghue Ricesteele by email	09:15 Noise & Vibrations	SC on annual leave, EM investigated at the time and SC followed up by phonecall on Monday morning (21 st May). P'OD unable to talk so was to ring SC back.
4	11 June 2012	Pat O'Donoghue Ricesteele by email	09:17 Dust	SC could not find source. No containers being loaded.
5	14 June 2012	Pat O'Donoghue Ricesteele by email	09:05 Dust	SC on Annual Leave didn't receive email until Monday morning 18 th June.
6	15 June 2012	Pat O'Donoghue Ricesteele by email	13:51 Metallic Smell	SC on Annual Leave didn't receive email until Monday morning 18 th June.
7	18 June 2012	Pat O'Donoghue Ricesteele by email	11:32 Height of Stockpile	SC received all three emails and responded by email.
8	28 June 2012	Pat O'Donoghue Ricesteele by email	20:14 pm Dust on Staff cars	SC responded by email.
9	05 July 2012	Pat O'Donoghue Ricesteele by email	14:37 pm Hosing at low level	SC responded by email, POD said he hadn't received any of my previous emails so forwarded all again and then delivered a hardcopy on 11/07/2012.
10	13 August 2012	Pat O'Donoghue Ricesteele by email	11:50 am Metallic Rusty Smells	SC responded directly to POD by email. Also complained about the dust and noise, SC responded that business is down by nearly 50% less busy.

APPENDIX 2

European Pollutant Release and Transfer Register

AER Returns Workbook

REFERENCE YEAR	2012
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1. FACILITY IDENTIFICATION

Parent Company Name	Greenstar Limited
Facility Name	Greenstar Ltd
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, other than 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	0.0
Production Volume Units	
Number of Installations	0
Number of Operating Hours in Year	0
Number of Employees	6
User Feedback/Comments	
Web Address	

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) ?	
------------------------------------------------------------------------------------------------------------	--

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 : Greenstar Ltd | Filename : W0079_2012.xls | Return Year : 2012 |

28/03/2013 09:27

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

* 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

* 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

* 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:	Greenstar Ltd			
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 : Greenstar Ltd | Filename : W0079_2012.xls | Return Year : 2012 |

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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 covers

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 : Greenstar Ltd | Filename : W0079_2012.xls | Return Year : 2012 |

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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				
238	Ammonia (as N)	M	PER	Based on an estimate of water used in wash downs and rain fall on yard area. Analysis is ISO accredited	48.62	48.62	0.0	0.0
303	BOD	M	PER	Based on an estimate of water used in wash downs and rain fall on yard area. Analysis is ISO accredited	1353.35	1353.35	0.0	0.0
306	COD	M	PER	Based on an estimate of water used in wash downs and rain fall on yard area. Analysis is ISO accredited	4020.36	4020.36	0.0	0.0
240	Suspended Solids	M	PER	Based on an estimate of water used in wash downs and rain fall on yard area. Analysis is ISO accredited	397.07	397.07	0.0	0.0
314	Fats, Oils and Greases	M	PER	Based on an estimate of water used in wash downs and rain fall on yard area. Analysis is ISO accredited	158.8	158.8	0.0	0.0
308	Detergents (as MBAS)	M	PER	Based on an estimate of water used in wash downs and rain fall on yard area. Analysis is ISO accredited	29.78	29.78	0.0	0.0
343	Sulphate	M	PER	Based on an estimate of water used in wash downs and rain fall on yard area. Analysis is ISO accredited	1021.5	1021.5	0.0	0.0
324	Mineral oils	M	PER	Based on an estimate of water used in wash downs and rain fall on yard area. Analysis is ISO accredited	117.18	117.18	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 : Greenstar Ltd | Filename : W0079_2012.xls | Return Year : 2012 |

28/03/2013 09:27

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 : Greenstar Ltd | Filename : W0079_2012.xls | Return Year : 2012 |

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Please enter all quantities on this sheet in Tonnes

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		
To Other Countries	19 10 01	No	1909.0	iron and steel waste	R4	M	Weighed	Abroad	Global Metcorp Ltd ,IRE/AG143/11.	York House ,8th Floor ,Empire Way ,Wembley Middlesex HA9 0PA ,united kingdom		
To Other Countries	19 10 01	No	146.0	iron and steel waste	R4	M	Weighed	Abroad	JM Criado S.I.,c/Torozos 4 47270	c/Torozos 4 47270,Cigales,Valladolid,..Spain		
To Other Countries	19 10 01	No	5111.0	iron and steel waste	R4	M	Weighed	Abroad	Solar Metals ,WSX/L1/0117/1.	Broadford Bridge Road ,Aversane ,Billinghurst ,Sussex RG14 9EG.,united kingdom		
To Other Countries	19 10 01	No	2224.0	iron and steel waste	R4	M	Weighed	Abroad	EMR Liverpool ,EAWML/50447	Alexandra Dock 1 ,Bootle ,Liverpool , L20 1BX. ,united kingdom		
To Other Countries	19 10 01	No	1209.0	iron and steel waste	R4	M	Weighed	Abroad	European Metal Recycling Ltd.EZ WML/50065	Street,Salford,Manchester,M5 4DY,United Kingdom		
To Other Countries	19 10 01	No	784.0	iron and steel waste	R4	M	Weighed	Abroad	Quimex Recycling GmbH & Co.KG T/A DAT-Arbantis ,IRE/AG183/12	Papierstr.13 ,D13409 Berlin ,-,Germany		
To Other Countries	19 10 01	No	4488.0	iron and steel waste	R4	M	Weighed	Abroad	Pan Global Trading ,IRE/G239/12	503 Dr Femandes Building ,Opposite Palm Beach Hotel ,Khalid Al Waleed Street ,Bur Dubai Dubai ,United Arab Emirates		
To Other Countries	19 12 03	No	104.0	non-ferrous metal	R4	M	Weighed	Abroad	EMR Liverpool ,EAWML/50447	Alexandra Dock 1 ,Bootle ,Liverpool , L20 1BX. ,united kingdom		
To Other Countries	19 12 03	No	591.0	non-ferrous metal	R4	M	Weighed	Abroad	FJ Church ,WML 80771	Centenary Works ,Manor Way New Road Rainhan Essex RM 13 8RH. WML 80771,New Road ,Rainhan Essex RM 13 8RH. ,united kingdom		
To Other Countries	19 12 03	No	149.0	non-ferrous metal	R5	M	Weighed	Abroad	Tandom Metalurgical Group,EPR/QP 3634 KX.	Radnor Park Industrial Estate , Congleton Cheshire , CW12 4XE. ,united kingdom		
Within the Country	19 12 03	No	124.0	non-ferrous metal	R4	M	Weighed	Offsite in Ireland	P Carneys ,P402-02	Crossakiel ,Kells ,Co. Meath. ,-,ireland	Davis Recycling ,IRE/AG004/08	Pigeon House Road ,Ringsend ,Dublin 4. ,-,ireland

Within the Country	19 12 03	No	232.0 non-ferrous metal	R4	M	Weighed	Offsite in Ireland	Davis Recycling ,IRE/AG004/08	Pigeon House Road ,Ringsend ,Dublin 4. ,ireland		
Within the Country	16 06 01	Yes	76.0 lead batteries	R4	M	Weighed	Offsite in Ireland	Davis Recycling ,IRE/AG004/08	Pigeon House Road ,Ringsend ,Dublin 4. ,ireland	Davis Recycling ,IRE/AG004/08	Pigeon House Road ,Ringsend ,Dublin 4. ,ireland
Within the Country	16 06 01	Yes	65.0 lead batteries	R4	M	Weighed	Offsite in Ireland	KMK Metals , W0113-03	Cappincur Ind Est ,Daingean Road ,Tullamore ,Co. Offaly ,ireland	KMK Metals , W0113-03	Cappincur Ind Est ,Daingean Road ,Tullamore ,Co. Offaly ,ireland
Within the Country	16 06 01	Yes	73.0 lead batteries	R4	M	Weighed	Offsite in Ireland	ENVA ,W0184-01.	Clonminam Industrial Estate , Portlaoise ,Co. Laois. , ireland	ENVA ,W0184-01.	Clonminam Industrial Estate , Portlaoise ,Co. Laois. , ireland
Within the Country	19 12 03	No	38.0 non-ferrous metal	R13	M	Weighed	Offsite in Ireland	Greenstar ,W0188-01.	Greenogue ,Rathcoole ,Co. Dublin. ,dublin,ireland		
Within the Country	19 12 03	No	31.0 non-ferrous metal	R13	M	Weighed	Offsite in Ireland	John Flynn ,COR-LS-09-0001-01	Fishertown ,Ballybrittas ,Portlaoise ,Co. Laois: ,ireland		
Within the Country	19 12 07	No	13.0 wood other than that mentioned in 19 12 06	R13	M	Weighed	Offsite in Ireland	Greenstar ,W0188-01.	Greenogue ,Rathcoole ,Co. Dublin. ,dublin,ireland		
Within the Country	16 01 03	No	15.0 end-of-life tyres	R5	M	Weighed	Offsite in Ireland	Eurocrumb - South East Tyre Recycling , WFP-WDC-01-10	Block 3 ,Lacken Road Business Park ,Lacken Road ,Kilbarry Waterford ,ireland		
Within the Country	19 12 05	No	1.0 glass	R5	M	Weighed	Offsite in Ireland	Gannons ,Cert of Exemption	Split Hill Quarries ,Hazelwood ,Kilbeggan ,Co. Westmeath. ,ireland		
To Other Countries	19 12 05	No	48.0 glass	R5	M	Weighed	Abroad	Viridor ,WML Exemption E0786.0001	Lancots Lane ,St Helens. ,Merseyside ,WA9 3EX. ,united kingdom		
Within the Country	19 12 05	No	1291.0 glass	R5	M	Weighed	Offsite in Ireland	Gannons ,Cert of Exemption	Split Hill Quarries ,Hazelwood ,Kilbeggan ,Co. Westmeath. ,ireland		
Within the Country	16 02 14	No	discarded equipment other than those 18.0 mentioned in 16 02 09 to 16 02 13	R4	M	Weighed	Offsite in Ireland	KMK Metals , W0113-03	Cappincur Ind Est ,Daingean Road ,Tullamore ,Co. Offaly ,ireland		
To Other Countries	19 10 01	No	168.34 iron and steel waste	R4	M	Weighed	Abroad	FJ Church ,WML 80771	Centenary Works ,Manor Way New Road Rainhan Essex RM 13 8RH. WML 80771,New Road ,Rainhan Essex RM 13 8RH. ,united kingdom		
To Other Countries	19 10 01	No	46.56 iron and steel waste	R4	M	Weighed	Abroad	Tandom Metalurgical Group,EPR/QP 3634 KX.	Radnor Park Industrial Estate , Congleton Cheshire , CW12 4XE. ,united kingdom		
To Other Countries	15 01 04	No	469.0 metallic packaging	R4	M	Weighed	Abroad	EMR Liverpool , EAWML/50447	Alexandra Dock 1 ,Bootle ,Liverpool , L20 1BX. ,united kingdom		
To Other Countries	17 04 02	No	13.82 aluminium	R4	M	Weighed	Abroad	Tandom Metalurgical Group,EPR/QP 3634 KX.	Radnor Park Industrial Estate , Congleton Cheshire , CW12 4XE. ,united kingdom		