

Cover Page

Signed Declaration

**Waste License
Registration Number:** W0229-01

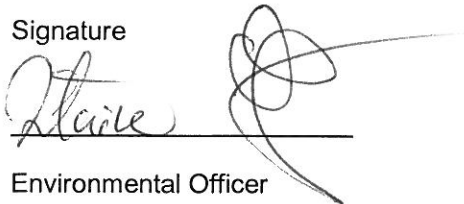
Licensee: Advanced Environmental Solutions
(AES) Ireland Ltd

Reporting year: 2012

I Declare that;

"All the data and information presented in this report has been checked and certified as being accurate. The quality of the information is assured to meet licence requirements"

Signature



The signature is a cursive, handwritten name, possibly 'Haile', written in black ink. It is positioned above a horizontal line that serves as a baseline for the signature.

Environmental Officer

ANNUAL ENVIRONMENTAL REPORT

AES ROSSLARE WASTE TRANSFER STATION

JANUARY 2012
THROUGH
DECEMBER 2012

Waste Licence

Registration Number: W0229-01

Licensee:

Advanced Environmental Solutions
(AES) Ireland Ltd

Location of Activity:

Ballygillane,Big/Ballyknockan,St.
Helens, Kilrane, Rosslare Harbour,
County Wexford.

Attention:

Office of Environmental Enforcement
EPA Headquarters,
P.O. Box 3000,
Johnstown Castle Estate,
Co. Wexford.

Prepared by:

ANUA Environmental



REVISION CONTROL TABLE

User is Responsible for Checking the Revision Status of This Document.

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Client: Bord na Móna

Keywords: Waste Transfer Station, Annual Environmental Report (AER), waste recovery and disposal, environmental monitoring.

Abstracts: This report presents the Annual Environmental Report for AES Rosslare Waste Transfer Station in St. Helen's, Kilrane, Rosslare Harbour, Co. Wexford to the Environmental Protection Agency. The report covers the annual reporting period of 2012.

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1.0 INTRODUCTION

The Environmental Protection Agency (EPA) issued Goff Recycling Limited with a Waste Licence for its Waste Transfer Station at Ballygillane Big/Ballyknockan, St. Helen's, Kilrane, Rosslare Harbour, Co. Wexford on 9th March 2007. The Waste Licence reference number is W0229-01. This licence was transferred to Advanced Environmental Solutions (Ireland) Ltd, on 26th August 2008.

The facility is currently licensed to accept a maximum of 23,000 tonnes of waste per annum (5,400 tonnes of Household waste, 8,600 tonnes of Commercial waste, 4,000 tonnes of Non-hazardous Construction and Demolition (C&D) waste and 5,000 tonnes of Non-hazardous Industrial waste). The site is located in St. Helen's, south-west of Rosslare Harbour.

In May 2007, Bord na Móna PLC acquired Advanced Environmental Solution (AES) Ireland Ltd., one of Irelands leading waste management companies, which services 5,000 commercial customers and 60,000 domestic customers. The acquisition was a key part of the Bord na Móna PLC's diversification strategy and one which tied in perfectly with the existing Bord na Móna PLC areas of operation.

AES Ireland Ltd. currently operates a network of recycling & transfer facilities throughout Leinster and further afield. These facilities are located in Navan, Co. Meath, Tullamore, Co. Offaly, Portlaoise, Co. Laois, Nenagh, Co. Tipperary and Rosslare, Co. Wexford. Goff Recycling Ltd previously operated this waste recovery and transfer station. It was acquired by AES (Ireland) Ltd. during September 2008 and still trades as Goff Recycling.

ANUA Environmental was retained to prepare and submit the Annual Environmental Report (AER) for the facility in compliance with Condition 11.8 and Schedule E of the Waste Licence. This report addresses Condition 11.8 of the Waste Licence for the facility.

Condition 11.8 states that:

"The licensee shall submit to the Agency, by the 31st March of each year, an AER covering the previous calendar year. This report, which shall be to the satisfaction of the Agency, shall include as a minimum the information specified in Schedule E: Annual Environmental Report of this licence and shall be prepared in accordance with any relevant guidelines issued by the Agency".

This report addresses the items listed in *Schedule E: Annual Environmental Report* of the Waste Licence for the facility. This AER covers the reporting period from 1st January 2012 up to and including 31st December 2012 and provides a summary of all Waste Licence-related activities on site during this period.

1.1 Site Description and Activities

As previously referred to, AES operates a Waste Licence (W0229-01) for its Waste Transfer Station at Ballygillane Big/Ballyknockan, St. Helen's, Kilrane, Rosslare Harbour, Co. Wexford. Operations at the facility include the acceptance of domestic, commercial, industrial and construction and demolition waste, which is sorted and segregated for onward recycling/recovery in accordance with the Waste Licence for the facility. Waste deemed unsuitable for recycling/recovery is segregated and compacted for disposal off-site.

1.2 Waste Handling Procedure

Waste is accepted at or dispatched from the AES Rosslare facility only between the hours of 08.00 to 18.00 Monday to Friday inclusive and 8.00 to 13.00 on Saturdays. The facility is operated only during the hours of 06.00 to 20.00 Monday to Friday inclusive and 8.00 to 14.00 on Saturdays. All waste accepted at the facility for disposal is removed from the facility within 48 hours of its arrival on-site (during bank holidays/weekends waste is removed within 72 hours).

Current waste acceptance procedures involve the use of a computer based programme called Integrated Waste System (IWS). The software is linked to the on-site weighbridge and is used for recording of waste quantities accepted on-site. The vehicle registration number, customer and product is inputted into the system and from this detail, the source of the waste can be obtained.

After weighing, each waste load is brought to the enclosed Recycling Plant Building where it is deposited on the floor for visual inspection to ensure that all wastes comply with the requirements of the Waste Licence, W0229-01. The Yard Foreman is responsible for carrying out visual waste inspections and for maintaining a written record of all loads. Only after visual inspection, can the waste be identified for disposal or recovery.

Within the Recycling Plant Building the waste is sorted according to its recycling potential and is either deemed suitable for further onward recycling/recovery or compacted within one of the ejector trailers onsite and transported off-site for final disposal (non-recoverable waste) to an authorised landfill. The categories of waste deemed suitable for segregation and recycling is dependent on available markets for such materials. Materials commonly accepted for recycling Steel/Iron, Cardboard/ Newsprint, Timber, Construction & Demolition (suitable for backfill material), Plastic and Glass. Household mixed recyclables are collected and accepted at the facility, where the waste is forwarded off-site for further recovery. All waste deemed unsuitable for recycling/recovery is loaded into and compacted within ejector trailers on-site. All compacted wastes are covered and subsequently transported for authorised disposal. All waste being transported from the facility is weighed and recorded at the weighbridge. An individual weigh docket is printed for each waste load.

2.0 WASTE MANAGEMENT RECORD

The waste that arrives at the site may be characterised as follows:

- Household Waste
- Commercial Waste
- Industrial-Non hazardous Waste
- Construction and Demolition

These waste classifications, subsequent to inspection, can be further categorised as been either suitable for recycling/recovery offsite or disposed to off-site authorised disposal facilities. Hazardous waste is not accepted at the AES Rosslare Waste Transfer Station. Hazardous waste in the form of batteries and fluorescent tubing that are inadvertently accepted to the site are segregated into individual storage skips/areas within the plant and subsequently collected by authorised contractors for further treatment/disposal. Any materials that are suspect in nature (i.e. hazardous or not acceptable at the facility) are routed to the Waste Quarantine Area within the Recycling Plant for further examination and processing prior to removal off-site for appropriate treatment/disposal by an appropriate hazardous waste contractor.

2.1 Waste activities carried out at the Facility

Waste activities at the facility are restricted to those outlined in *Part 1 - Activities Licensed of the Waste Licence*.

Licensed waste disposal activities, in accordance with the Third Schedule of the Waste Management Acts 1996 to 2008:

- Class 11. Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.*
- Class 12. Repacking prior to submission to any activity referred to in a preceding paragraph of this Schedule.*
- Class 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 was produced.*

Licensed waste recovery activities, in accordance with the Fourth Schedule of the Waste Management Acts 1996 to 2008:

- Class 2 Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological processes). (P)*
- Class 3 Recycling or reclamation of metals and metal compounds:*
- Class 4 Recycling or reclamation of other inorganic materials:*
- Class 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.*

2.2 Waste Quantities and Composition

In accordance with Condition 11.9 of the Waste Licence, details of all wastes arriving at and departing from the facility are recorded. The details, which are maintained in a full record on site, include:

- The tonnages and EWC code for the waste materials imported and/or sent off-site for disposal / recovery.
- The names of the agent and carrier of the waste and their waste collection permit details, if required (to include issuing authority and vehicle registration number).
- Details of the ultimate disposal/recovery destination facility for the waste and its appropriateness to accept the consigned waste stream, to include its permit/licence details and issuing authority, if required.
- Written confirmation of the acceptance and disposal/recovery of any hazardous waste consignments sent off-site.
- Details of all wastes consigned abroad for recovery and classified as “Green” in accordance with the EU Transfrontier Shipment of Waste Regulations (Council Regulation EEC No. 259/1993, as amended). The rationale for the classification must form part of the record.
- Details of any rejected consignments.
- Details of any approved waste mixing.
- The results of any waste analyses required under Schedule C: Control and Monitoring of this licence.
- The tonnages and EWC Code for the waste materials recovered/disposed on-site.

In accordance to requirements of the Waste Licence, W0229-01, a summary of the waste recovered /disposed at the facility over the period from 1st January 2012 to 31st December 2012 is presented in Table 2.1 & 2.2 overleaf.

Table 2.1: Incoming Waste to AES Rosslare Waste Transfer Station 2012		
EWC Code	Waste Description	Incoming Waste (Tonnes)
20 03 01	Mixed municipal Waste (domestic residual waste)	4,299.67
20 03 01	Mixed Municipal Waste (Domestic Mixed dry recyclables)	3,535.77
20 03 07	Bulky Waste (Domestic)	558.87
15 01 01	Paper and cardboard packaging	724.29
15 01 02	Plastic packaging	356.31
15 01 05	Composite packaging (polystyrene & tetrapak)	5.18
15 01 07	Glass Packaging (bottles and jars)	225.23
20 01 01	Paper and cardboard (separately collected fraction, municipal sources)	61.35
20 01 08	Biodegradable kitchen and canteen wastes	25.14
20 01 11	Textiles (separately collected fraction, municipal sources)	12.90
20 01 36	Discarded electrical and electronic equipment other than those mentioned in 20 01 21*, 20 01 23* and 20 01 35*(separately collected fraction, municipal sources)	9.38
20 01 38	Wood other than that mentioned in 20 01 37* (separately collected fraction, municipal sources)	7.74
20 01 39	Plastics (separately collected fraction, municipal sources)	0.22
20 01 40	Metals ((separately collected fraction, municipal sources)	1.2
20 02 01	Biodegradable garden and park wastes(including cemetery waste)	16.59
20 03 01	Mixed Municipal Waste (Commercial Sources)	11,268.90
20 03 01	Mixed Municipal Waste (Commercial Recyclables)	1,443.14
20 03 07	Bulky waste (commercial sources)	2,597.62
170107	Mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06*	1,101.92
17 02 01	Wood from Construction and demolition wastes	147.11
17 02 02	Glass from Construction and demolition wastes	4.84
17 04 07	Mixed metals from construction and demolition wastes	45.58
17 09 04	Mixed construction and demolition wastes other than those mentioned in 17 09 01*, 17 09 02* and 17 09 03*	314.41
Total Incoming Waste		26,801.58

Table 2.2: Quantities of Waste Recovered / Disposed at Facility during 2012

EWC Code	Outgoing Waste (Tonnes)	Waste Recovery / Disposal Destination Name	Waste Recovery / Disposal Destination Address	Licence / Permit No.
13 05 03* - Interceptor SLUDGES	11.98	Enva Ireland Ltd (Dublin)	Naas Rd, Dublin 12	W0196-01
15 01 01 Paper and cardboard packaging	654.14	(MLM) ACN Europe (UK)	Adamson House, Towers Business Park, Wilmslow Road, Didsbury, Manchester M20 2YY	Not Applicable TFS Reg – IRE/G022/12
	712.28	AES Tullamore	Cappancur, Tullamore, County Offaly	W0104-02
	40.82	Padraic Thornton Waste Recycling Ltd	Thorntons Recycling, MDR-MRF, Unit 51 Henry Road, Parkwest Business park, Dublin 12	WFP-DC-10-0021-02/13/MK/01
	15.14	Irish Packaging Recycling Ltd	Ballymount Road, Walkinstown, Dublin 12	W0263-01
	87.14	Killarney Waste Disposal (KWD) Ltd	Aughacurreen, Killarney, Co. Kerry	W0217-01
15 01 02 Plastic Packaging	6.44	Irish Packaging recycling ltd	Ballymount Road, Walkinstown, Dublin 12	W0263-01
	253.63	Leinster Environmental	Clermont Business Park, Haggardstown, Dundalk, Co. Louth	WFP-LH-11-0002-01
15 01 07 - Glass Packaging	212.28	Urban & Rural Recycling	Creeg, Ballycogley, Co. Wexford.	WP/06/36(A)
17 01 07 - Mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06*	496.37	Paddy McGee Limited, T/A Ardenagh Construction Waste	Ardenagh, Taghmon, Co. Wexford	WFP-WX-10-0012-02
17 02 01 –Wood from C & D sources	52.68	Padraig Thornton Waste Disposal Ltd TA PDM Ltd	Oldmilltown Industrial Estate, Naas, Co. Kildare	WFP-KE-10-061-01
	11.66	OD Recycling Ltd	Ballyboe, Kilsheelan, Clonmel, Co Tipperary	WFP-TS-10-0002-01
17 04 07 –Mixed Metals from C & D sources	3.46	Irish Metal Refineries	Unit 2, Duleek Business Park, Duleek, Co. Meath	WFP-09-03-01
	2.2	Murray Waste Recycling Ltd.	Coolatore, Ferns, Co. Wexford	WP/08/23
	29.42	Multimetals Recycling Ltd	Bollarney, The Murrough, Co. Wicklow	WFP-WW-09-0014-01
17 09 04 – Non-Hazardous Mixed C&D wastes	19.22	Drehid Waste Management Facility	Killinagh Upper, Carbury Co. Kildare	W0201-03
	593.12	Panda Waste Services	Rathdrinagh, Beauparc, Navan Co Meath	W0140-04
20 01 01 – Paper and Cardboard from Municipal Sources (Commercial)	3.66	Irish Packaging recycling ltd	Ballymount Road, Walkinstown, Dublin 12	W0263-01
	52.58	Recycling UK Ltd	11 Alvaston Business Park, Nantwich, Cheshire, CW5 6PF	CB/AN5271CA
20 01 08 – Biodegradable Kitchen & Canteen Waste	34.44	O'Toole Composting Ltd	Ballintrane, Carlow	WFP-CW-10-0003-01

20 01 36 – Discarded Electrical and electronic equipment (non-hazardous)	2.96	AES Tullamore	Cappancur, Tullamore, County Offaly	W0104-02
20 01 39 Plastics (municipal)	48.02	Leinster Environmental	Clermont Business Park, Haggardstown, Dundalk, Co. Louth	WP 2008/06
20 03 01 – Mixed Municipal Waste (Commercial)	502.91	O'Toole Composting Ltd	Ballintrane, Carlow	WFP-CW-10-0003-01
	8879.77	Greenstar Holdings Ltd, Ballynagran Residual Landfill	Ballynagran, Coolbeg and Kilcandra, County Wicklow	W0165-02
	1286.53	Drehid Waste Management Facility	Killinagh Upper, Carbury Co. Kildare	W0201-03
	1321.89	Indaver Ireland	Carranstown, Duleek, County Meath	W0167-02
	413.76	Greenstar Ltd Bray	La Vallee House, Fassaroe, Bray, Co. Wicklow, Wicklow.	W0053-03
20 03 01 Mixed Municipal Waste (Domestic)	217.78	O'Toole Composting Ltd	Ballintrane, Carlow	WFP-CW-10-0003-01
	421.5	Drehid Waste Management Facility	Killinagh Upper, Carbury Co. Kildare	W0201-03
	566.54	Indaver Ireland	Carranstown, Duleek, County Meath	W0167-02
	1759.70	Ballynagran Residual Landfill	Ballynagran, Coolbeg and Kilcandra, County Wicklow	<u>W0165-02</u>
20 03 01 Mixed municipal waste – Kerbside recyclables	1901.2	AES Tullamore	Cappancur Industrial Estate, Daingean Road, Tullamore, Co. Offaly	W0104-02
	28.6	O'Toole Composting Ltd	Ballintrane, Carlow	WFP-CW-10-0003-01
	175.71	South Eastern Region MRF	Shandon, Dungarvan, Co. Waterford	W0189-01
	208.54	Greenstar Ltd Bray	La Vallee House, Fassaroe, Bray, Co. Wicklow, Wicklow.	W0053-03
	1955.40	Killarney Waste Disposal (KWD) Ltd	Aughacurreen, Killarney, Co. Kerry	W0217-01
	87.46	Padraic Thornton Waste Recycling Ltd	Thorntons Recycling, MDR-MRF, Unit 51 Henry Road, Parkwest Business park, Dublin 12	WFP-DC-10-0021-02/13/MK/01
20 03 07 – Bulky Waste	55.6	Ballynagran Residual Landfill	Ballynagran, Coolbeg and Kilcandra, County Wicklow	<u>W0165-02</u>
	208.38	Drehid Waste Management Facility	Killinagh Upper, Carbury Co. Kildare	W0201-03
	2828.12	Greenstar Ltd Bray	La Vallee House, Fassaroe, Bray, Co. Wicklow, Wicklow.	W0053-03
	733.05	AES Navan TA Midland Waste Disposal Ltd	Proudstown Road, Clonmagadden, Navan, Co Meath	W0131-02
Total Waste	26,793.01 Tonnes			

3.0 EMISSIONS FROM THE FACILITY

During the reporting period wastewater collected from site from bunds, interceptors, silt traps, bin/vehicle washing sump, weighbridge sump and underground storage tank are as follows:

- 11.98 tonnes (Enva Ireland Ltd).

An estimate of storm water emissions from the facility can not be determined as flow is not monitored. Weekly chemical analysis of storm water samples is undertaken.

Surface water, dust and noise monitoring results are discussed in Section 6 of this report.

4.0 RESOURCE AND ENERGY CONSUMPTION

4.1 Resource Consumption Summary

Some resources consumed at AES Rosslare Waste Transfer Station are recorded. During the reporting period water usage on-site is not metered and has not been recorded, therefore, calculation of water usage is not possible at present.

Road Diesel Consumption was 418,283 Litres.

The total electrical consumption at the site was 107,510 kWh during the reporting period. During the same period wastewater produced at the facility (collected from site from bunds, interceptors, silt traps, bin/vehicle washing sump, weighbridge sump and underground storage tank) was recorded as 11.98 tonnes (Enva Ireland Ltd).

4.2 Energy Efficiency Audit Report Summary

To comply with Condition 7.1 of the Waste Licence an Energy Efficiency Audit Report was submitted to the EPA in 2008. In 2010, the findings of the report were implemented, where feasible.

4.3 Water Consumption

The volume of wastewater produced at the facility and transported off-site is presented above in Section 4.1.

Please refer to Progress against Targets for 2012 (Table 5.1) for developments in minimising water demand and the volume of trade effluent discharge, in compliance with Condition 7.3, which include investigating the feasibility of the collection and re-use of rainwater for vehicle washing. At present, timelines have been pushed out as there are Health & Safety concerns and may not be practical on-site - Please refer to Proposed Schedule of Objective & Targets 2013 (Table 5.2).

4.4 Raw Materials Consumption & Waste Generation

Please refer to Progress against Targets for 2012 (Table 5.1) for the progress made towards minimising raw material consumption and waste generation in 2011. Progress made includes:

- Organic waste bins were installed in the canteen and the yard.
- Household Glass Bins were rolled out with the Brown Bins in February 2011.
- Pay-by-Lift service was offered to household customers to incentivise the use of the more cost effective recycling and brown bins.
- Clear plastics were separated from coloured plastics to increase quality of plastics for onward recycling.
- The quantity of BMW sent to landfill was calculated on a quarterly basis to ensure that Diversion Targets are met.

Please refer to Objective & Targets 2013 (Table 5.2) for proposals being developed in 2013 to minimise raw material consumption and waste generation. Proposals include:

- Continue to roll out the household Glass Bin collection service in the region.
- Pay-by-Lift service will continue to be offered to Household customers to incentivise the use of the more cost effective recycling and brown bins.
- There will be better segregation of recyclable material to ensure maximum recovery.
- Roll-out of household brown bins.
- The quantity of BMW sent to landfill will be calculated on a quarterly basis to ensure that Diversion Targets are met.
- Investigate the feasibility of the collection and re-use of rainwater for vehicle washing.
- Continue to review collection routes in order to maximise efficiency of labour and fuel consumption.

5.0 ENVIRONMENTAL OBJECTIVES & TARGETS

5.1 Progress against Targets for 2012

Details on progress made against the Targets for 2012 are presented in Table 5.1.

Table 5.1 Progress against Targets for 2012			
Ref	Objective	Target	Status
1	Maximise Recovery of Recyclables	Continue to roll out Glass Bin collection service in the region.	Completed.
		Pay-by-Lift service being offered to Household customers to incentivise the use of the more cost effective recycling and brown bins.	Completed.
		Better segregation of recyclables to maximise recovery.	Completed.
2	Diversion of biodegradable waste from landfill	Household Brown Bin being rolled out.	Completed.
		The quantity of BMW sent to Landfill will be calculated on a quarterly basis to ensure that Diversion Targets are met.	Completed.
3	Environmental Monitoring	As per Waste Licence: Should any limits be exceeded, corrective actions to be implemented.	Completed.
4	Investigate options for the reduction and/or re-use of water on-site	Investigate the feasibility of the collection and re-use of rainwater for vehicle washing.	Completed.
5	Efficiency of Fuel Consumption	Continue to review collection routes in order to maximise efficiency of labour and fuel consumption.	Completed.
6	Upkeep of Environmental Management System	Ongoing review of procedures, objectives & targets, records, training and aspects register.	Completed.
7	Upgrade Site Equipment	Installation of new roller door on Bay 3 as a means of odour control.	Completed.
8	Environmental Training & Awareness	Continue internal training programme and assessment of training needs for all operational staff during 2012.	Completed.
9	Raise awareness with contractors of Environmental Policy of the site	Contractors Induction	Completed.
10	Environmental Compliance	Review licence conditions outlined within W0229-01	Completed.

5.2 Schedule of Objectives and Targets for 2013

The proposed schedule of Objectives and Targets for 2013 is presented in Table 5.2

Table 5.2: Proposed Schedule of Objectives and Targets for 2013					
Ref	Objective	Target	Timescale	Response	Status
1	Maximise Recovery of Recyclables	Continue to roll out Glass Bin collection service in the region	Dec-13	SL	Ongoing
		Pay-by-Lift service being offered to Household customers to incentivise the use of the more cost effective recycling and brown bins.	Dec-13	SL	Ongoing
		Better segregation of recyclables to maximise recovery	Dec-13	SL	Ongoing
2	Diversion of biodegradable waste from landfill	Continued Household Brown Bin being rolled out	Dec-13	SL	Ongoing
		The quantity of BMW sent to Landfill will be calculated on a quarterly basis to ensure that Diversion Targets are met.	Dec-13	SL	Ongoing
3	Environmental Monitoring	As per Waste Licence: Should any limits be exceeded, corrective actions to be implemented.	Dec-13	Enviro Team	Ongoing
4	Efficiency of Fuel Consumption	Continue to review collection routes in order to maximise efficiency of labour and fuel consumption	Dec-13	Logistics Manager	Ongoing
		Outsourcing domestic and commercial collections to third party contractors to minimise fuel consumption and reduce our carbon footprint.	Dec-13	SL/MD	Ongoing
5	Upkeep of Integrated Management System	Ongoing review of procedures, objectives & targets, records, training and aspects register.	Dec-13	Enviro Team	Ongoing
6	Energy Efficiency	Insulate the admin building with a view to reducing energy consumption	Aug-13	Group	Ongoing
7	Environmental Training & Awareness	Continue internal training programme and assessment of training needs for all operational staff during 2012	Dec-13	Enviro Team	Ongoing
8	Raise awareness with contractors of Environmental Policy of the site	Contractors Induction	Dec-13	Enviro Team	Ongoing
9	Environmental Compliance	Review licence conditions outlined within W0229-01	Dec-13	SL/EM	Ongoing
10	Integrated Management Systems	To maintain existing ISO14001:2004 and OHSAS 18000:2007 standards and obtain ISO9001 standard for Quality Management System	Jul-13	Enviro Team	Ongoing

6.0 SUMMARY OF ENVIRONMENTAL MONITORING

Environmental monitoring at the facility is carried out in accordance with Condition 6 and Schedule C of the Waste Licence for the facility. The following sections 6.1 to 6.3 present the results of monitoring for the year 2012.

The environmental media monitored and the frequencies of monitoring at the facility are as follows:

- | | |
|--------------------------|-----------------------|
| 1. Noise | Annually |
| 2. Dust Deposition | Three times per annum |
| 3. Storm Water Emissions | Weekly & Quarterly |

Section 6.0 presents a summary of the Environmental Management Programme for the facility.

6.1 Noise Monitoring Report Summary

In compliance with the requirements of the Waste Licence, W0229-01, annual noise monitoring at the AES Rosslare Waste Transfer Station was undertaken. Monitoring was carried out on the 7th and the 15th November 2012 (Report Number – ECS4368 – Noise).

LA_{eq}, LA₁₀ LA₉₀ values and 1/3 Octave band analyses was determined at five site boundary locations (N1 – N5) and at two noise sensitive locations (N6 and N7). The noise monitoring locations are presented in Table. 6.1 and the locations are indentified in Appendix 1.

Table 6.1: Noise Monitoring Locations		
Map Reference No.	Location Type	Geographical location from the site centre
N1	Boundary	South Western corner beside the main office
N2	Boundary	North Western corner
N3	Boundary	North Eastern corner
N4	Boundary	South Eastern corner behind the main office
N5	Boundary	Outside the recycling shed
N6	Noise sensitive	Across from entrance to Kilrane Business Park
N7	Noise sensitive	On the road opposite the main office

The full set of results are presented in Table 6.2.

TABLE 4.3: SITE BOUNDARY NOISE MEASUREMENT RESULTS (DAY TIME) 7th & 15th NOVEMBER 2012

Map Ref	Date	Start Time	Duration	LA _{eq} dB(A)	LA ₁₀ dB(A)	LA ₉₀ dB(A)	LAF _{Max} dB(A)	Comments/Observations Summary
N1	7-11-12	09:53	30 min	54	57	41	73	<p>Site: Truck engines left running near Reception & while on weighbridge. Skips entering/exiting into recycling shed: reverse alarms, chains rattling etc. Sorting of material in warehouse.</p> <p>Background: Traffic on local road (average 24 vehicles). Banging noise from garage opposite AES. Small aircraft overhead (~16mins). Fork-lift unloading artic near entrance to Business Park. Construction work at house nearest to N4 location.</p>
	7-11-12	14:41	30 min	56	59	44	76	
	15-11-12	11:30	30 min	53	57	41	74	
N2	7-11-12	10:38	30 min	51	54	43	70	<p>Site: Road sweeper, Skips entering/exiting into recycling shed: reverse alarms, chains rattling etc. Hedge trimmer around SW-2 location. Low level noise from recycling shed/yard.</p> <p>Background: Traffic on local road. Intermittent noise from garage opposite AES – sometimes dominant. School kids playing in background. Movement of Baku / Perennial Freight artics in depot.</p>
	7-11-12	15:24	30 min	48	51	43	69	
	15-11-12	12:09	30 min	53	57	43	68	
N3	7-11-12	11:54	30 min	48	50	44	65	<p>Site: Segregation of material in recycling shed. Goff artic/skips left running in yard. Hedge trimmer. Skips entering/exiting yard: reverse alarms, chains rattling, revving engines etc. Power washing bins.</p> <p>Background: Occasional banging from garage. Distant traffic in background. Baku / Perennial Freight traffic passing meter location. Fuel truck engine running beside oil tanks.</p>
	7-11-12	15:55	30 min	52	54	47	71	
	15-11-12	14:02	30 min	51	52	44	68	
N4	7-11-12	09:18	30 min	53	55	42	73	<p>Site: Road sweeper, Continuous low level hum of operations within main shed, traffic movement about site including chains rattling on skips. Alarm could be heard from recycle shed.</p> <p>Background: Occasional birdsong. Traffic on local road (average 20 vehicles). Small aircraft overhead (~2mins). Construction work from house near N4, including banging noise, cement mixer, builders shouting.</p>
	7-11-12	16:30	30 min	55	58	46	73	
	15-11-12	10:59	30 min	54	54	34	84	

Note: Results in **red bold text** represent an exceedance of the Waste Licence.

Note 2: Tonal Noise was not detected

TABLE 4.3 continued: SITE BOUNDARY NOISE MEASUREMENT RESULTS (DAY TIME) 7th & 15th NOVEMBER 2012

Map Ref	Date	Start Time	Duration	LA _{eq} dB(A)	LA ₁₀ dB(A)	LA ₉₀ dB(A)	L _{AF Max} dB(A)	Comments/Observations Summary
N5	7-11-12	11:13	30 min	58	61	45	80	<p>Site: Hedge trimmer. Doors banging. Continuous hum of operations within main shed: reversing alarms, revving engines. Artic/skip engines left running while on weighbridge. Power washing bins.</p> <p>Background: School kids playing in background. Glen fuels truck engine left running beside oil tanks, engine revving & reverse alarms. Traffic on local road. Low level noise from garage opposite AES, includes power washer. Jeep being filled with fuel (~10mins)</p>
	15-11-12	09:22	30 min	62	66	52	80	
	15-11-12	14:34	30 min	62	65	46	80	
N6	7-11-12	14:06	30 min	65	63	48	87	<p>Site: Movement of AES skips in yard & continuous low level hum of operations within main shed: chains rattling, alarms, revving engines.</p> <p>Background: Traffic on local road (average 35 vehicles). Dog barking at nearby house. Power washer & occasional banging at garage opposite AES. Small air-craft overhead (~2, 5 & 17mins).</p>
	15-11-12	09:56	30 min	63	60	40	90	
	15-11-12	15:24	30 min	66	68	41	88	
N7	7-11-12	12:29	30 min	60	59	44	83	<p>Site: Skips: reverse alarms, chains rattling. Low level operations from recycling shed - not audible over heavy traffic. AES truck engine running near Reception.</p> <p>Background: Traffic on local road (average 38 vehicles). Power washer from garage opposite AES. Dog barking. Small air-craft overhead (~26mins). Fuel trunk refueling at oil tanks (~ 20mins).</p>
	15-11-12	10:27	30 min	63	62	36	86	
	15-11-12	15:56	30 min	64	61	40	87	

Note: Results in **red bold text** represent an exceedance of the Waste Licence.

Note 2: Tonal Noise was not detected.

6.2 Ambient Monitoring Summary

In compliance with the requirements of the Waste Licence, W0229-01, dust monitoring at the AES Rosslare Waste Transfer Station was undertaken. Monitoring was carried out three times during the reporting period. There are three dust monitoring locations on site, detailed in Table 6.3 and identified in Appendix 1. The Waste Licence limit for dust deposition is given as 350mg/m²/day as per Schedule B.5.

Table 6.3: Dust Monitoring Locations	
Monitoring Location	Description
A2-1	South Western corner beside Reception
A2-2	Middle of site beside power washer
A2-3	North western corner of facility

Three Bergerhoff dust gauges were continuously exposed for a 28 day period between the 2nd February – 3rd March (Round 1) and for 31 days from 30th of April to the 31st of May 2012 (Round 2). Finally, three dust gauges were exposed for 31 days from 23rd July – 23rd August (Round 3). The results for monitoring are presented in Table 6.4.

Table 6.4: Dust Monitoring Results (mg/m ² /day)				
Monitoring Location	Dust Deposition Limit	Deposition Rate (Round 1) (Report ECS4163)	Deposition Rate (Round 2) (Report ECS4241)	Deposition Rate (Round 3) (Report ECS4292)
A2-1	350	184	267	233
A2-2	350	80	72	117
A2-3	350	25	50	283

The results were all below the EPA limit of 350 mg/m²/day at A2-1, A2-2 and A2-3 during the monitoring for the year of 2013.

6.3 Surface Water Monitoring Report Summary

In accordance with Waste Licence, W0229-01 Schedule C.2.3, AES Rosslare is required to carry out a Daily Visual Inspection, weekly sampling of pH, Conductivity and Suspended Solids and quarterly sampling of COD, Ammonia and Mineral Oils from the surface water in the immediate environs of its Waste Transfer Facility.

Surface water monitoring locations are presented in Table 6.5 and the monitoring locations are identified in Appendix 1.

Table 6.5: Surface Water Monitoring Locations	
Monitoring Location	Description
SW-1	Located upstream of the AES facility
SW-2	North eastern corner of AES facility
SW-3	Located 10m immediately downstream of SW-2

The monthly average results of the weekly surface water monitoring are presented in Table 6.6. Emission limits for surface waters are not specified in the Waste Licence.

Quarterly Monitoring occurred on the 2nd February, 30th April, 23rd July and finally on the 7th November 2012. The results of Quarterly surface water monitoring are presented in Table 6.7. Emission limits for surface waters are not specified in the Waste Licence.

Table 6.6: Average Monthly Surface Water Results												
Parameter	January	February	March	April	May	June	July	August	September	October	November	December
	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1	SW-1
pH (pH units)	7.4	7.6	7.6	7.5	7.2	7.1	6.9	7.2	7.6	7.4	7.5	7.4
Conductivity (µS/cm)	649	739	783	609	563	411	566	586	791	679	711	766
Suspended solids (mg/l)	17	10	17	7	40	75	5	52	44	29	41	8
	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2	SW-2
pH (pH units)	7.2	7.6	7.7	7.4	7.2	7.1	6.9	7.4	7.6	7.5	7.4	7.4
Conductivity (µS/cm)	551	757	782	561	592	403	497	744	792	683	708	764
Suspended solids (mg/l)	19	17	14	23	11	56	9	80	36	30	41	6
	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3	SW-3
pH (pH units)	7.6	7.6	7.7	7.5	7.5	7.1	6.9	7.4	7.6	7.5	7.5	7.4
Conductivity (µS/cm)	696	738	783	622	676	407	505	741	795	681	710	763
Suspended solids (mg/l)	15	19	11	15	18	74	12	79	25	41	29	9

Table 6.7: Quarterly Surface Water Results

Parameter	Quarter 1 (Report ECS4163)	Quarter 2 (Report ECS4241)	Quarter 3 (Report ECS4292)	Quarter 4 (Report ECS4368)
	SW-1	SW-1	SW-1	SW-1
On-Site Visual Inspection	Clear in colour, No SS, Some vegetation present	Clear in colour, No SS, Some vegetation present	Clear colour, some SS, completely covered with vegetation	Clear in colour, Some SS
Odour	No odour	No odour	No odour	No odour
COD (mg/l)	<10	19	45	23
**Mineral Oils (µg/l)	<10	<10	<10	<10
Ammonia (mg/l as N)	0.08	0.03	0.04	0.06
	SW-2	SW-2	SW-2	SW-2
On-Site Visual Inspection	Brown in colour, High S.S., No flow, High vegetation present, Oily sheen	Clear in colour, No S.S., Some vegetation present	Cloudy colour, high S.S., completely covered with vegetation	Clear in colour, High SS
Odour	No Odour	No odour	Foul odour	No odour
COD (mg/l)	52	13	94	34
**Mineral Oils (µg/l)	<10	<10	<10	<10
Ammonia (mg/l as N)	0.04	0.04	1.9	0.05
	SW-3	SW-3	SW-3	SW-3
On-Site Visual Inspection	Cloudy in colour, High S.S, No flow, Plenty of vegetation present	Clear in colour, No S.S, Small oily sheen on surface	Cloudy colour, some S.S, high vegetation upstream	Clear in colour, Few SS
Odour	No odour	No odour	Foul odour	No odour
COD (mg/l)	33	15	33	27
**Mineral Oils (µg/l)	<10	<10	<10	<10
Ammonia (mg/l as N)	0.06	0.04	1.7	0.16

Notes: ** = Subcontracted Test

< Indicates less than the laboratory detection limit

The results of the analysis of the grab sample of surface waters obtained from the Advanced Environmental Solutions Ltd. on a quarterly basis are presented in Table 6.7.

The Ammonia-N results fluctuated slightly throughout the year ranging from 0.03 mg/l at SW-1 (Quarter 2) to 1.9 mg/l at SW-3 (Quarter 3). Mineral Oils were undetected for all sampling locations remaining below the laboratory limit of detection (<10 µg/l) throughout 2012. The COD results detected at the three monitoring locations fluctuated throughout the year. The concentration of COD ranged from <10 mg/l to 45 mg/l at SW-1, from 13 mg/l to 94 mg/l at SW-2 and from 15 mg/l to 33 mg/l at SW-3

The greatest increases in parameter levels occurred in Quarter 3 2012 on the day of monitoring, there was little, or no, flow at SW-2 or SW-3. These locations are close to each other and the locations were densely populated with vegetation. Due to this low rain fall and high vegetation the flow in the river was low and when sampling under these conditions there is a potential for contamination of the samples with sediment from the river bed and organic particulates from the vegetation and this could lead to the elevated levels in COD and Ammonia results.

6.4 Tank and Pipeline Testing & Inspection Reports

In accordance with the requirements of the company's Waste Licence (W0229-01) AES is required to conduct a bund integrity test, as stated under Condition 6.9.

Condition 6.9 of the Waste Licence states:

"The integrity and water tightness of all underground pipes, tanks, bunding structures and containers and their resistance to penetration by water or other materials carried or stored therein shall be tested and demonstrated by the licensee within six months of the date of grant of this licence. The testing shall be carried out by the licensee at least once every three years thereafter and reported to the Agency on each occasion. This testing shall be carried out in accordance with any guidance published by the Agency. A written record of all integrity tests and any maintenance or remedial work arising from them shall be maintained by the licensee".

Three prefabricated bunds containing chemicals and oils were tested for >6 hours in accordance with the **CIRIA "Construction Industry Research and Information Association"** guidance document. And in accordance with the EPA Guidance Note on "Storage and Transfer of Materials for Scheduled Activities" 2004, and were found to be compliant.

Integrity Testing of the following bunds was carried out on the 3rd December 2012 and found to be compliant (Report Ref; ECS4376).

Bund No. 1: Chemical Bund (Steel)

Bund No. 2: Chemical/Oil Bund (Steel)

Bund No. 3: Oil Bund (Steel)

The next bund integrity test is due to be carried out in the 2015 reporting period.

6.5 Environmental Management Programme

The Environmental Management Program (EMP) form part of the Objectives and Targets for the facility, presented in Table 5.1 & 5.2. Among the measures outlined in the Tables, it is proposed for the coming year:

- Undertake an ongoing review of procedures, objectives & targets, record, training and aspects register.
- Investigate the feasibility of Outsourcing domestic and commercial collections to third party contractors to minimise fuel consumption and reduce our carbon footprint.
- Raise awareness with contractors of Environmental Policy of the site.
- Continue internal training programme and assessment of training needs for all operational staff during 2013.

7.0 SITE DEVELOPMENT/INFRASTRUCTURAL WORKS

7.1 Current Infrastructure in Place

The facility is currently licensed to accept a maximum of 23,000 tonnes of waste per annum (5,400 tonnes of Household waste, 8,600 tonnes of Commercial waste, 4,000 tonnes of Non hazardous Construction and Demolition (C&D) waste and 5,000 tonnes of Non-hazardous Industrial waste). The current operating Capacity is 440 tonnes per week.

Summary details on Duty & Standby Capacity are presented in Table 7.1.

Table 7.1: Summary List of Plant and Machinery	
List of all Machinery and Equipment	
	Trommel
	Pickling line
	Baler
	Track Machine (360)
	Loading Shovel
	2 forklifts (1 equipment with grab, 1 for moving)

Most waste arriving on-site is already source segregated. Should the trommel break down, waste is sorted manually with track machine and by general operatives. Should the track machine or loading shovel break down, a replacement would be hired in.

The network of sites owned by AES and their proximity is a beneficial factor considering standby. Should the baler be down for an extended period, recyclable would be sent to AES Tullamore unbaled and baled there. Should the trommel remain out of action for a few days, waste would be re-directed to AES Portlaoise for segregation.

7.2 Site Development Works during 2012

A New Roller door on bay 3 was replaced in October 2012.

7.3 Proposed Development Works for 2013

During 2013, there is currently no proposal in place for development of the site.

8.0 INCIDENTS & COMPLAINTS

8.1 Complaints Summary

All environmental complaints are recorded at the facility. Four complaints were received by the site during the 2012 reporting period. 3 complaints in relation to Odour and 1 in relation to litter.

8.2 Reported Incidents Summary

All environmental incidents are recorded at the facility. One incident was recorded by the site during the 2012 reporting period. Summary details are presented in Table 8.1.

Table 8.1: Summary of Incidents	
Date	Incident Summary Details
Nov 2012	Elevated noise levels above Licence Limit.

8.3 Accident Prevention and Emergency Response

Condition 9.1 of the Waste Licence states:

“The licensee shall, within six months of date of grant of this licence, ensure that a documented Accident Prevention Procedure is in place which will address the hazards on-site, particularly in relation to the prevention of accidents with a possible impact on the environment. This procedure shall be reviewed annually and updated as necessary”.

Condition 9.2 of the Waste Licence states:

“The licensee shall, within six months of date of grant of this licence, ensure that a documented Emergency Response Procedure is in place which shall address any emergency situation which may originate on-site. This Procedure shall include provision for minimising the effects of any emergency on the environment. This procedure shall be reviewed annually and updated as necessary”.

The accident prevention and emergency response has been prepared for the following:

- EP-ERP-01_General Emergency Preparedness & Response.doc
- EP-ERP-02_Spill Clean Up Procedure.doc
- EP-ERP-03_Fire Explosion Procedure.doc
- EP-ERP-04_Malicious Damage Procedure.doc
- EP-ERP-05_Unforeseen Emergencies & Fugitive Emissions.doc
- EPL 5.1 EMERGENCY CONTACT LIST.doc

These documents are included in full in the Annual Environmental report for 2010.

9.0 FACILITY MANAGEMENT**9.1 Report on Financial Provisions**

In 2008, Goff Recycling Limited was acquired by AES (Ireland) Ltd. which is a wholly-owned subsidiary of Bord Na Móna plc. AES Rosslare t/a Goff Recycling Ltd has access to the reserves of its parent company.

The environmental liabilities (environmental damage and remedial actions) are those considered to be restricted to the confines of the facility, therefore, any costs incurred in addressing same will be limited to the removal and safe disposal of the waste remaining on-site following an emergency event (e.g. fire or spillage event) or the decommissioning and closure of the site. Such environmental liabilities cover should account for the cost of the clean up and removal of the maximum amount of waste that may be stored onsite at any given time.

AES (Ireland) Ltd. and Bord na Móna have arranged insurance to cover the liability arising from damage to property and injury to parties as a result of sudden an unforeseen environmental impairment. AES (Ireland) Ltd have insurance cover for “Business Interruption” and have adequate reserves for the cost of removing the maximum amount of waste that may be stored on-site at any given time and to ensure that said material is transported to an authorised and capable facility. In the unlikely event of full decommissioning, financial reserves are available to allow a formal surrender of the licence ensuring that the inherent environmental safeguard associated with this regulatory process is activated.

9.2 Management & Staffing Structure

The management and staffing structure of the facility is described in Figure 9.1.



AES (Ireland) Ltd., Rosslare Organisation Chart

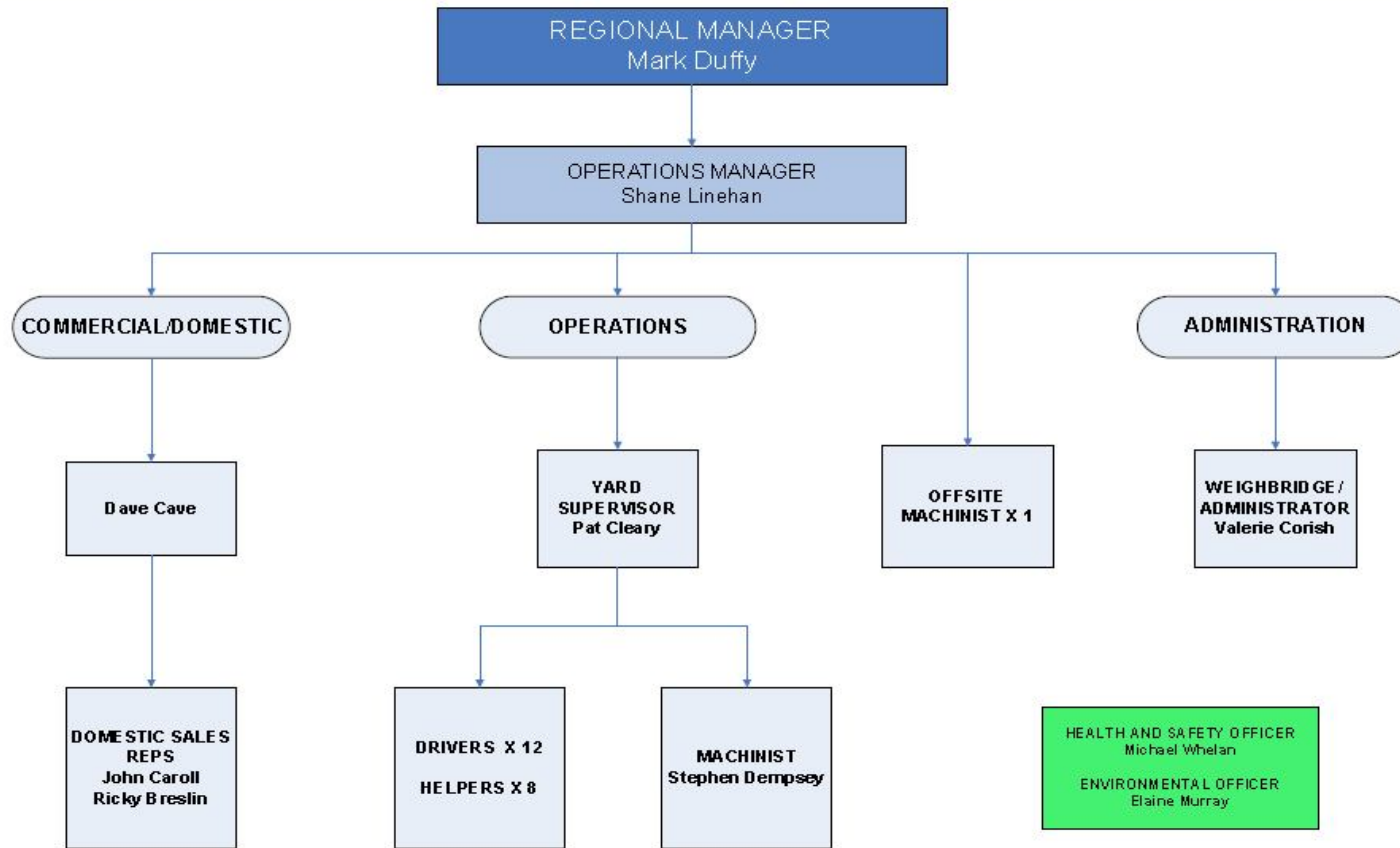


Figure 9.1: Management and Staffing Structure

9.3 New Procedures Developed During 2012

Environmental Management for AES Rosslare was revised during 2009 and was awarded 1SO14001 certification on the 26th of January 2010.

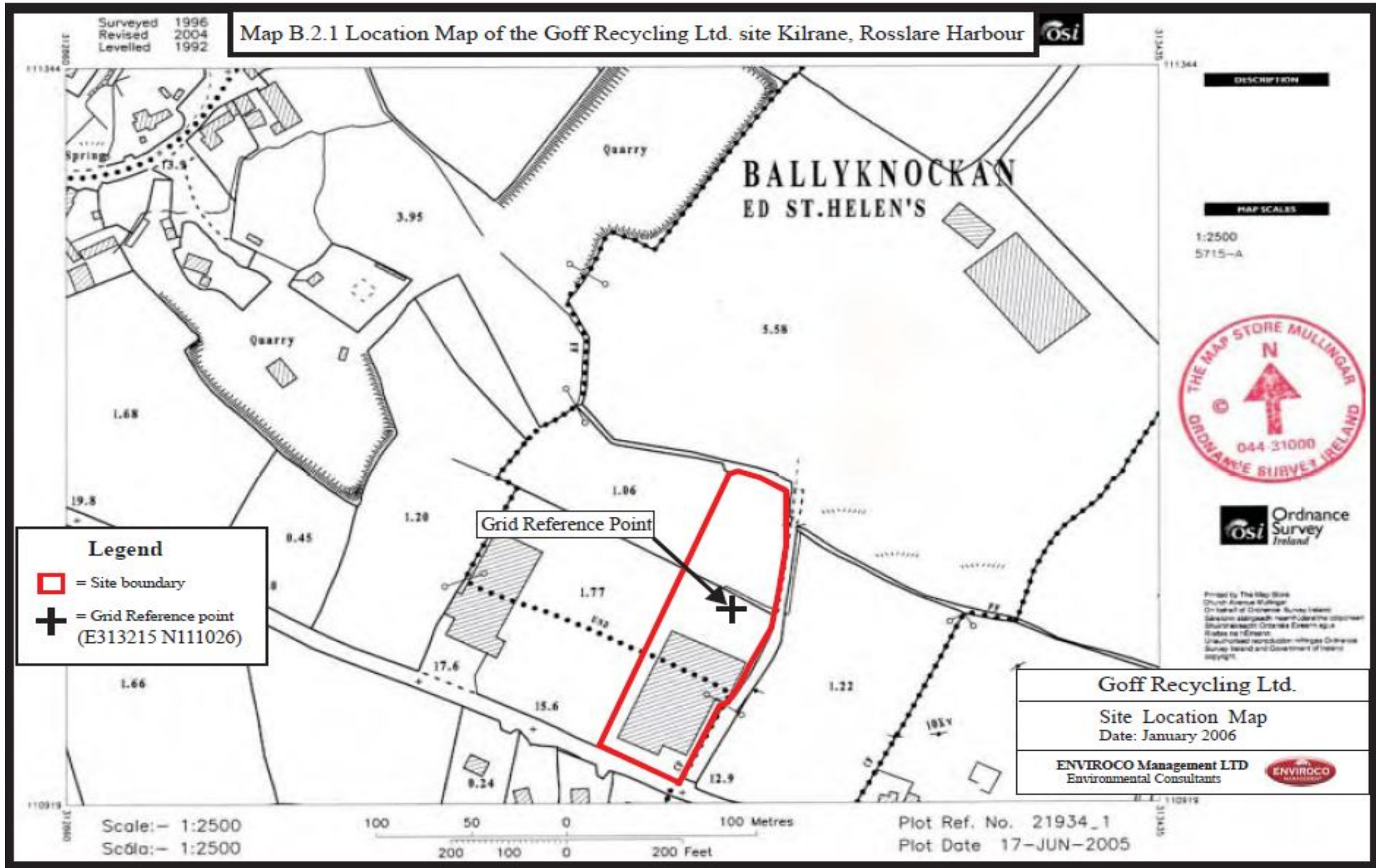
As part of the ISO 14001 accredited EMS maintained at the facility, a new odour control procedure was rolled out on-site during 2011.

9.4 Review of Nuisance Controls

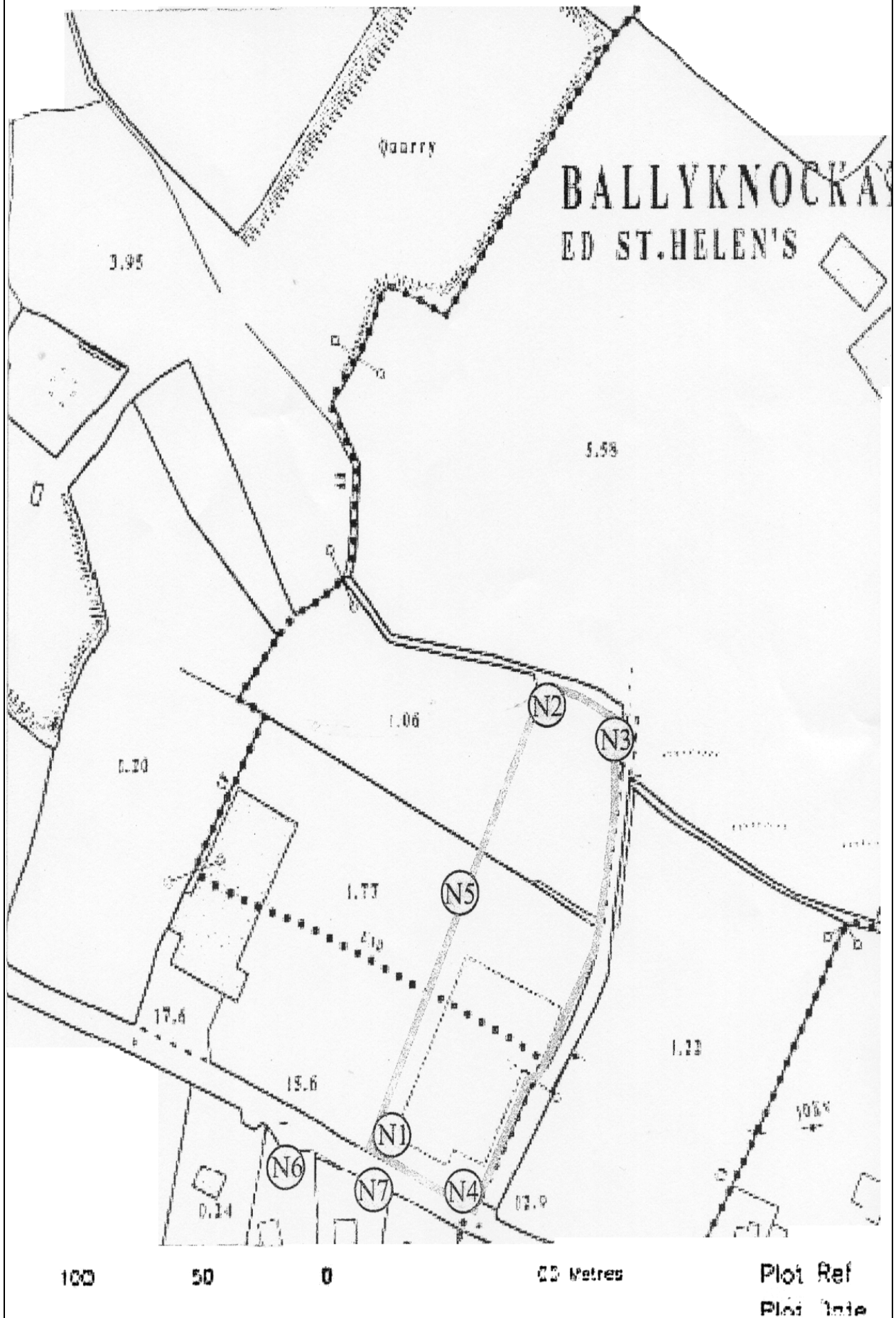
There were no nuisance/pest issues in during the 2012 reporting period and there are no proposed amendments to nuisance controls for 2013. AES Rosslare have a vermin control procedure in place, (Reference – WI 2.0 Site Inspection Procedure) with an associated Daily Environmental Nuisance Inspection Form (Reference – EWIF 2.2 Daily environmental Nuisance Inspection Form).

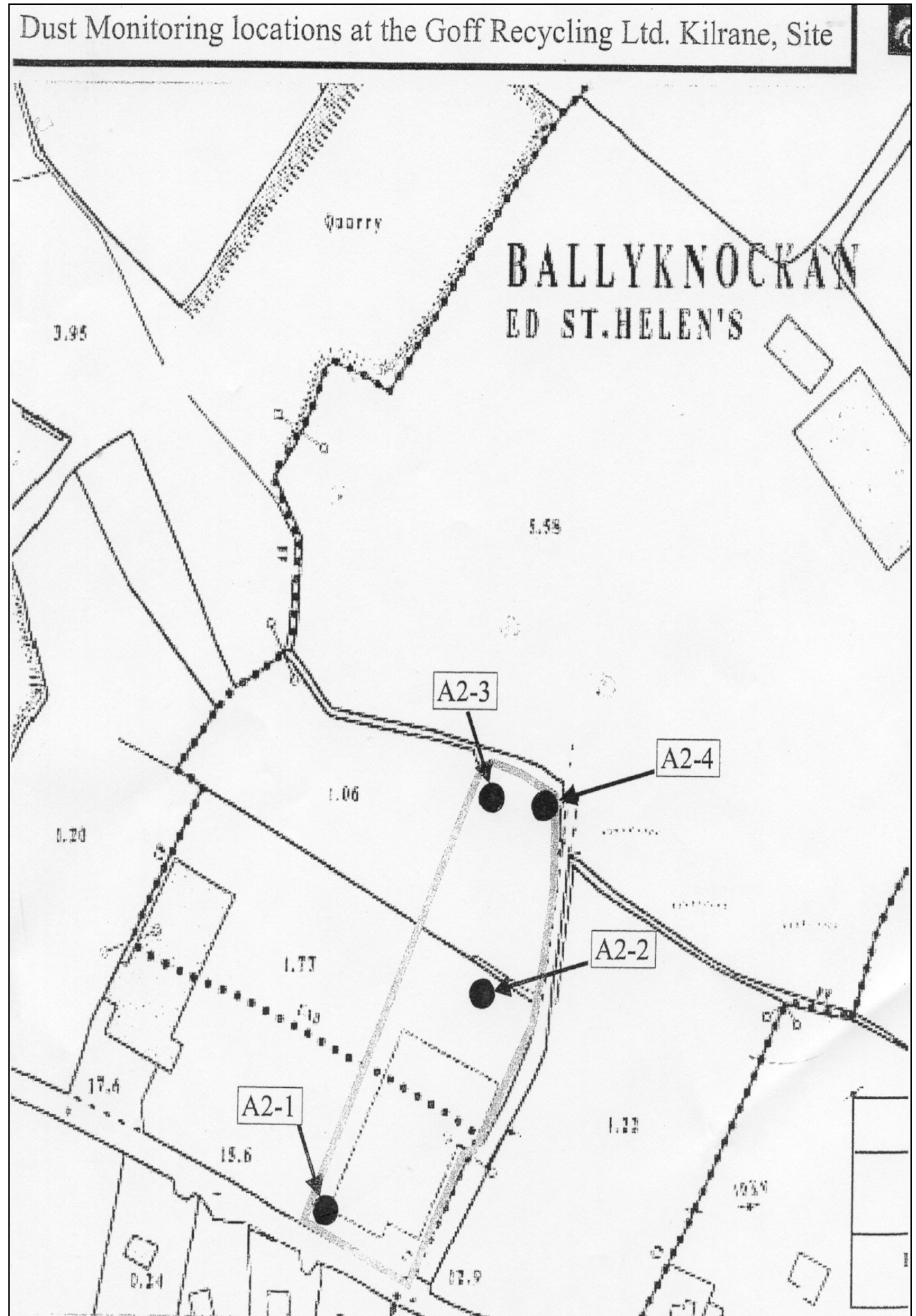
The full procedure is attached in the Annual Environmental Report for 2010.

APPENDIX 1
Drawings

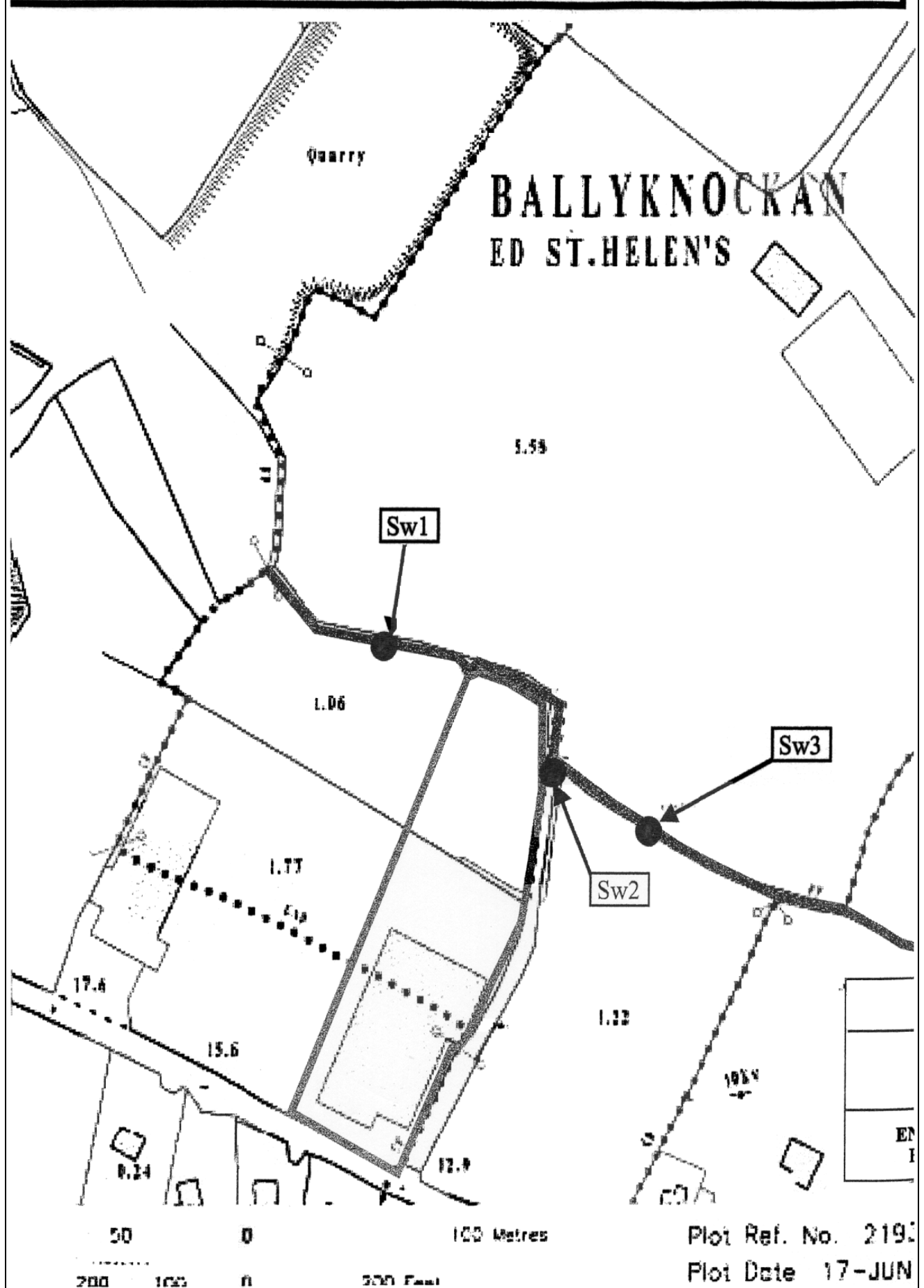


Noise Monitoring locations at the Goff Recycling Ltd. Rosslare Site





Water Monitoring locations at the Goff Recycling Ltd. Rosslare Site



APPENDIX 2

Summary of Emissions and Waste Management



| PRTR# : W0229 | Facility Name : Goff Recycling Limited | Filename : W0240_2012.xls | Return Year : 2012 |

[Guidance to completing the PRTR workbook](#)

AER Returns Workbook

Version 1.1.16

REFERENCE YEAR	2012
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1. FACILITY IDENTIFICATION

Parent Company Name	Advanced Environmental Solutions (Ireland) Limited
Facility Name	Goff Recycling Limited
PRTR Identification Number	W0229
Licence Number	W0229-01

Waste or IPPC Classes of Activity

No.	class_name
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.
3.11	Blending or mixture prior to submission to any activity referred to in a preceding paragraph of this Schedule.
3.12	Repackaging prior to submission to any activity referred to in a preceding paragraph of this Schedule.
4.13	Storage of waste intended for submission to any activity referred to in a preceding paragraph of this Schedule, other than temporary storage, pending collection, on the premises where such waste is produced.
4.2	Recycling or reclamation of organic substances which are not used as solvents (including composting and other biological transformation processes).
4.3	Recycling or reclamation of metals and metal compounds.
4.4	Recycling or reclamation of other inorganic materials.
Address 1	Ballygillane Big/Ballyknockan
Address 2	St. Helens
Address 3	Kilrane
Address 4	Rosslare Harbour, County Wexford
	Wexford
Country	Ireland
Coordinates of Location	-6.34359 52.2398
River Basin District	IESE
NACE Code	3821
Main Economic Activity	Treatment and disposal of non-hazardous waste
AER Returns Contact Name	Elaine Murray
AER Returns Contact Email Address	Elaine.murray@bnm.ie
AER Returns Contact Position	Environmental Officer
AER Returns Contact Telephone Number	045-439464
AER Returns Contact Mobile Phone Number	087-6570234
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	40
User Feedback/Comments	
Web Address	

2. PRTR CLASS ACTIVITIES

Activity Number	Activity Name
5(c)	Installations for the disposal of non-hazardous waste
5(c) 50.1	Installations for the disposal of non-hazardous waste 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

5. ONSITE TREATMENT & OFFSITE TRANSFERS OF WASTE

| PRTR# : W0229 | Facility Name : Goff Recycling Limited | Filename : W0229_2012.xls | Return Year : 2012 |

28/03/2013 11:49

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					
Within the Country	13 05 03	Yes	11.98	interceptor sludges	D1	M	Weighed	Offsite in Ireland	Enva Ireland Ltd (Dublin),W0196-01	Naas Rd,Dublin 12,Co.Dublin,,Ireland	Enva Ireland Ltd (Dublin),W0196-01	Naas Rd,Dublin 12,Co.Dublin,,Ireland
To Other Countries	15 01 01	No	654.14	paper and cardboard packaging	D1	M	Weighed	Abroad	(MLM) ACN Europe,.	Adamson House Towers Business Park ,Wilmslow Road,Didsbury,Manchester M20 2YY,United Kingdom		
Within the Country	15 01 01	No	712.28	paper and cardboard packaging	D1	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-02	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offally,Ireland		
Within the Country	15 01 01	No	40.82	paper and cardboard packaging	D1	M	Weighed	Offsite in Ireland	Padraic Thornton Waste Recycling Ltd T/A Thortons Recycling,WFP-DC-10-0021-02/13/MK/01	Parkwest Business Park,,Dublin 12,,Ireland		
Within the Country	15 01 01	No	15.14	paper and cardboard packaging	D1	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Ballymount Road,Walkinstown,Dublin 12,,Ireland		
Within the Country	15 01 01	No	87.14	paper and cardboard packaging	D1	M	Weighed	Offsite in Ireland	Killarney Waste Disposal (KWD) Ltd,W0217-01	Aughacurreen,Killarney ,Co. Kerry,,Ireland		
Within the Country	15 01 02	No	6.44	plastic packaging	D1	M	Weighed	Offsite in Ireland	Irish Packaging Recycling Ltd,W0263-01	Ballymount Road,Walkinstown,Dublin 12,,Ireland		
Within the Country	15 01 02	No	253.63	plastic packaging	D1	M	Weighed	Offsite in Ireland	Leinster Environmental ,WFP-LH-11-0002-01	Clermont Business Park,Haggardstown,Dundalk, Co. Louth,Ireland		
Within the Country	15 01 07	No	212.28	glass packaging mixture of concrete, bricks, tiles and ceramics other than those mentioned in 17 01 06	D1	M	Weighed	Offsite in Ireland	Urban & Rural Recycling,WP/06/36(A)	Creeg,Ballycogley,Co. Wexford,,Ireland		
Within the Country	17 01 07	No	496.37	17 01 06	D1	M	Weighed	Offsite in Ireland	Ardinagh Construction Waste,WFP-WX-10-0012-02	Ardinagh,Taghmon,,Co. Wexford,Ireland		
Within the Country	17 02 01	No	52.68	wood	D1	M	Weighed	Offsite in Ireland	Padraig Thornton Waste Disposal Ltd TA PDM Ltd,WFP-KE-10-061-01	Oldmilltown Industrial Estate,Naas,Co. Kildare,,Ireland		

Within the Country	17 02 01	No	11.66	wood	D1	M	Weighed	Offsite in Ireland	OD Recycling Ltd,WFP-TS-10-0002-01	Ballyboe,Kilsheelan,Clonmel,Co. Tipperary,Ireland
Within the Country	17 04 07	No	3.46	mixed metals	D1	M	Weighed	Offsite in Ireland	Irish Metal Refineries,WFP-09-03-01	Unit 2 Duleek Business Park,Duleek,Co. Meath,,Ireland
Within the Country	17 04 07	No	2.2	mixed metals	D1	M	Weighed	Offsite in Ireland	Murray Waste Recycling Ltd,WP/08/23	Coolatore,Ferns,Enniscorthy,Co. Wexford,Ireland
Within the Country	17 04 07	No	29.42	mixed metals	D1	M	Weighed	Offsite in Ireland	Multimetals Recycling Ltd,WFP-WW-09-0014-01	Bollarney,The Murrough,Wicklow,Co. Wicklow,Ireland
Within the Country	17 09 04	No	19.22	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	D1	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland
Within the Country	17 09 04	No	593.12	mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03	D1	M	Weighed	Offsite in Ireland	Panda Waste Services,W0140-04	Rathdrinagh,Beauparc Navan ,CO. Meath,,Ireland
Within the Country	20 01 01	No	3.66	paper and cardboard	D1	M	Weighed	Offsite in Ireland	Irish Packaging Recycling ltd,W0263-01	Ballymount Road,Walkinstown,Dublin 12,,Ireland
To Other Countries	20 01 01	No	52.58	paper and cardboard biodegradable	D1	M	Weighed	Abroad	Recycling UK Ltd,.	11 Alvaston Business Park,Nantwich,Cheshire,CW5 6PF,United Kingdom
Within the Country	20 01 08	No	34.44	kitchen and canteen waste discarded electrical and electronic equipment other than those mentioned in 20 01 21, 20 01 23 and 20 01 35	D1	M	Weighed	Offsite in Ireland	O'Toole Composting Ltd,WFP-CW-10-0003-01	Ballintrane,,Carlow,,Ireland
Within the Country	20 01 36	No	2.96		D1	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-02	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offally,Ireland
Within the Country	20 01 39	No	48.02	plastics	D1	M	Weighed	Offsite in Ireland	Leinster Environmental ,WP2008/06	Clermont Business Park,Haggardstown,Dundalk,Co. Louth,Ireland
Within the Country	20 03 01	No	502.91	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	O'Toole Composting Ltd,WFP-CW-10-0003-01	Ballintrane,,Carlow,,Ireland
Within the Country	20 03 01	No	8879.77	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Greenstar Holdings Ltd,W0165-02	Ballynagran,Coolbeg and Kilcandra,County Wicklow,,Ireland
Within the Country	20 03 01	No	1286.53	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland
Within the Country	20 03 01	No	413.76	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Greenstar Ltd Bray,W0053-03	La Vallee House,Fassaroe Bray,Co. Wicklow,,Ireland
Within the Country	20 03 01	No	217.78	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	O'Toole Composting Ltd,WFP-CW-10-0003-01	Ballintrane,,Carlow,,Ireland
Within the Country	20 03 01	No	421.5	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland

Within the Country	20 03 01	No	566.54	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Indaver Ireland ,W0167-02	Carranstown,Duleek,County Meath,,Ireland
Within the Country	20 03 01	No	1759.7	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Greenstar Holdings Ltd,W0165-02	Ballynagran,Coolbeg and Kilcandra,County Wicklow,,Ireland
Within the Country	20 03 01	No	1901.2	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	AES Tullamore,W0104-02	Cappincur Industrial Estate,Daingean Road,Tullamore,Co. Offally,Ireland
Within the Country	20 03 01	No	28.6	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	O'Toole Composting Ltd,WFP-CW-10-0003-01	Ballintrane,,Carlow,,Ireland
Within the Country	20 03 01	No	175.71	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	South Eastern Region MRF,W0189-01	Shandon,Dungarvan,Co Waterford,,Ireland
Within the Country	20 03 01	No	208.54	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Greenstar Ltd Bray,W0053-03	La Vallee House,Fassaroe Bray,Co. Wicklow,,Ireland
Within the Country	20 03 01	No	1955.4	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Killarney Waste Disposal (KWD) Ltd,W0217-01	Aughacurreen,Killarney ,Co. Kerry,,Ireland
Within the Country	20 03 01	No	87.46	mixed municipal waste	D1	M	Weighed	Offsite in Ireland	Padraic Thornton Waste Recycling Ltd T/A Thortons Recycling,WFP-DC-10-0021-02/13/MK/01	Parkwest Business Park,,Dublin 12,,Ireland
Within the Country	20 03 07	No	55.6	bulky waste	D1	M	Weighed	Offsite in Ireland	Greenstar Holdings Ltd,W0165-02	Ballynagran,Coolbeg and Kilcandra,County Wicklow,,Ireland
Within the Country	20 03 07	No	208.38	bulky waste	D1	M	Weighed	Offsite in Ireland	Drehid Waste Management Facility,W0201-03	Killinagh Upper,Carbury,Co. Kildare,,Ireland
Within the Country	20 03 07	No	2828.12	bulky waste	D1	M	Weighed	Offsite in Ireland	Greenstar Ltd Bray,W0053-03	La Vallee House,Fassaroe Bray,Co. Wicklow,,Ireland
Within the Country	20 03 07	No	733.05	bulky waste	D1	M	Weighed	Offsite in Ireland	AES Navan ,W0131-02	Proudstown Road,Navan,CO. Meath,,Ireland